



R.E.D. GROUP OF SCHOOLS

Summer Holidays Homework

SESSION: 2024-25

Class: 12th

Subject: English

Text Book: Flamingo, Vistas, BBC Compacta

1. Syllabus Covered up to MAY END

Flamingo

- Chapter No. 1 The Last Lesson
- Chapter No. 2 Lost Spring
- Chapter No. 3 Deep Water
- Chapter No. 4 The Rattrap
- Poem No. 1 My Mother at Sixty-Six
- Poem No. 2 Keeping Quiet

Vistas

- Chapter No. 1 The Third Level
- Chapter No. 2 The Tiger King
- Notice Writing
- Invitation & Reply

2. List of all new concepts taught up to MAY END (Grammar Topics)

- Past Indefinite
- Nouns
- Past Continuous
- Pronouns
- Past Perfect
- Verbs
- Past Perfect Continuous
- Present Indefinite
-
- Adjectives
- Present Continuous
- Adverbs
- Present Perfect
- Present Perfect Continuous
- Conjunctions
- Future Indefinite
- Prepositions

3. Summer Holiday Homework:

Reading & Speaking Homework:

- **Section-A:** Reading Homework
- **Section-B:** Speaking Homework
- **Section-C:** Pre-Reading Homework

Written Homework:

- **Section-D:** Chapter-wise Revision Assignment
- **Section-E:** Grammar Revision Assignment
- **Section-F:** Project Work

Following projects can be given for Grammar Topic covered in the month of April and May: -

1. 12 tenses formula with examples

OR

Verb project chart

OR

Parts of speech and application

2. Grammar flip book with Transformation of Sentences (Narration/Voice)

OR

Draw your favorite fiction-character from any one work of the writer R.K. Narayan and describe it using 10 adjectives.

4. Tools required for doing Homework:

- Text Book – Notebook – Scrap Book – Resources as per activity
- Read any English newspaper once in a week and find out 5 new words from it & frame a sentence from it and present them in the same scrap book

5. Instruction/Guidelines for Reading & Speaking Homework:

○ Section-A: Reading Homework

- Each student will read one fiction & one non-fiction book.
- Each student will read –
Fictional work: The Centerville Ghost written by Oscar Wilde and
Non-fiction: The Diary of a Young Girl by Anne Frank
Write review of both the works separately using the following steps

- Draw creative page as front page
- Identify and list the Main characters in the story
- Write the summary of the story as follows: —
 - Beginning
 - Middle
 - Ending
- Write your favourite part of the story
- Mention anything you disliked about the story
- Story rating out of 5 and why
- If you were the author how will you end the story

○ Section-B: Speaking Homework

- Students will practice on one of the given topics as an extempore activity: –
 - Population Explosion
OR
 - Importance of Learning Through Experience
OR
 - Punctuality vs Procrastination
- Students will prepare speaking activity video on any one of the above topics and share their video with English teachers on WhatsApp PS group. Video should be of 1 minute.

○ Section – C: Pre-Reading Homework

- Do the Pre-Reading of Ch-5 (Indigo), Ch-6 (Poets & Pancakes), Poem 3 (A Thing of Beauty)
- Write all the difficult words & their meanings of above chapters in English N.B.

6. Instruction/Guidelines for Written Homework:

- **Section – C:** Do the given Chapter-wise Assignments on A4 Sheet.
- **Section – E:** Do the given Grammar Assignment on A4 Sheet.
- **Section – F:** Project work
 - **Prepare a student portfolio and include the following details: –**
 - Personal details
 - What I understand by portfolio
 - My goals/ Aim in life for future
 - My achievements till now
 - The areas I need to work to achieve my goal

7. Marking scheme for English homework: –

- **Section-A Reading HW**
 - Book Review **2 marks**
- **Section-B Speaking Homework**
 - Video shared by students on WhatsApp **4 marks**

- **Section-C Pre reading homework**
 - Difficult words & their meanings in N.B. **2 marks**
- **Section-D Chapter Wise Revision Assignments** **4 marks**
- **Section-E Grammar Revision Assignment** **4 marks**
- **Section-F Project work** **4 marks**

Total marks of English H.W. 20 marks

8. Important Note:

- **All students must submit their vacation Homework of All Subjects for Assessment by teacher on 1st July 2024 by all means. Five marks will be deducted for per day of delay after 1st July 2024.**



R.E.D. Group of Schools

Chapter-wise Revision Assignment-1

Class: 12th

Ch. Name: The Last Lesson

Subject: English

Chapter No. 1

Part-1 – Vocabulary skills

Q.1. Write the meanings of the following key terms:

- | | |
|----------------|---------------|
| i. Apprentice | vi. Fright |
| ii. Reproach | vii. Enslaved |
| iii. Commotion | viii. Solemn |
| iv. Dreadful | ix. Nuisance |
| v. Tempting | x. Mounted |

Q.2. Write the Synonyms of the following words

- (i) Solemn
- (ii) Commotion

Q.3. Write the Antonyms of the following words

- (i) Tempting
- (ii) Enslaved

Q.4. Write the Homonyms of the following words

- (i) Light
- (ii) Know

Part-2 – Reading Skills

Q.5. Read the following Passage from the Chapter & answer the questions.

Passage

Usually, when school began, there was a great bustle, which could be heard out in the street, the opening and closing of desks, lessons repeated in unison, very loud, with our hands over our ears to understand better, and the teacher's great ruler rapping on the table. But now it was all so still! I had counted on the commotion to get to my desk without being seen; but, of course, that day everything had to be as quiet as Sunday morning. Through the window I saw my classmates, already in their places, and M. Hamel walking up and down with his terrible iron ruler under his arm.

Answer the following Questions from the passage: -

- a. What was the usual environment of the school?
- b. What did Franz observe through the window?

Part-3 –Application skills of Subject Tools & Concepts

Q.6. Answer the following Short Answer Type Questions

1. Who did M.Hamel blame for the neglect of learning on the part of boys like Franz?
2. Franz thinks, "Will they make them sing in German, even the pigeons?" What does this tell us about the attitude of the Frenchmen?
3. How did M.Hamel say farewell to his students and the people of the town?

Q.7. Answer the following Long Answer Type Questions

1. Our language is part of our culture and we are proud of it. Describe how regretful M.Hamel and the village elders are for having neglected their native language, French.
2. Everybody during the last lesson is filled with regret. Comment.

Part-4 – Learning Homework

- **Learning Homework:** Learn Ch.- 1 From Flamingo.



R.E.D. Group of Schools

Chapter-wise Revision Assignment-2

Class: 12th
Ch. Name: Lost Spring

Subject: English
Chapter No. 2

Part-1 – Vocabulary skills

Q.1. Write the meanings of the following key terms:

- | | |
|-----------------|-----------------|
| i. Apprehension | vi. Despondency |
| ii. Languish | vii. Profligate |
| iii. Fecundity | viii. Promise |
| iv. Parochial | ix. Embarrassed |
| v. Debilitated | x. Barefoot |

Q.2. Write the Synonyms of the following words

- (iii) Perpetual
(iv) Pair

Q.3. Write the Antonyms of the following words

- (iii) Acquaintance
(iv) Empty

Q.4. Write the Homonyms of the following words

- (iii) Light
(iv) Know

Part-2 – Reading Skills

Q.5. Read the following Passage from the Chapter & answer the questions.

Passage

Author delves into the abject poverty prevailing in the squalid dwellings of the ragpickers. The pervasive destitution is exacerbated by the avarice of the upper echelons of society, who exploit these marginalized communities. The palpable atmosphere of despondency is contrasted with the fecundity of the waste, as the children, despite their debilitated state, exhibit resilience. The author paints a poignant picture of the parochial mindset that perpetuates their plight.

Answer the following Questions from the passage: -

- Define squalid.
- What does palpable meaning in this context?

Part-3 –Application skills of Subject Tools & Concepts

Q.6. Answer the following Short Answer Type Questions

- What was the story of the man from Udipi?
- How do elders and children look at garbage differently?
- Why are shoes with a hole dream come true?

Q.7. Answer the following Long Answer Type Questions

- What could be some of reasons for the migration of people from villages to the cities?
- Do you find the title of the lesson “Lost Spring” justified? Discuss.

Part-4 – Learning Homework

- Learning Homework:** Learn Ch.- 2 From Flamingo.



R.E.D. Group of Schools

Chapter-wise Revision Assignment-3

Class: 12th
Ch. Name: Deep Water

Subject: English
Chapter No. 3

Part-1 – Vocabulary skills

Q.1. Write the meanings of the following key terms:

- | | |
|------------------|-----------------|
| i. Continually | vi. Shriek |
| ii. Overpower | vii. Knock down |
| iii. Treacherous | viii. Sensation |
| iv. Oblivion | ix. Buried |
| v. Drowning | x. Residual |

Q.2. Write the Synonyms of the following words

- (v) Misadventure
(vi) Continually

Q.3. Write the Antonyms of the following words

- (v) Deep
(vi) Terror

Q.4. Write the Homonyms of the following words

- (v) Heart
(vi) Seen

Part-2 – Reading Skills

Q.5. Read the following Passage from the Chapter & answer the questions.

Passage

Tiny vestiges of the old terror would return. But now I could frown and say to that terror, “Trying to scare me, eh? Well, here’s to you! Look!” And off I’d go for another length of the pool. This went on un-til July. But I was still not satisfied. I was not sure that all the terror had left. So, I went to Lake Went-worth in New Hampshire, dived off a dock at Triggs Island, and swam two miles across the lake to Stamp Act Island. I swam the crawl, breaststroke, sidestroke, and backstroke. Only once did the terror return. When I was in the middle of the lake, I put my face under and saw nothing but bottomless water. The old sensation returned in miniature.

Answer the following Questions from the passage: -

- Why was the author not satisfied?
- What is the old sensation?

Part-3 –Application skills of Subject Tools & Concepts

Q.6. Answer the following Short Answer Type Questions

- Douglas uses sensory details to create a vivid image of the unfortunate experience in the pool. What might be the impact on the reader if the narration were more informative than sensory?
- Seemingly small every day wins are actually the greatest learnings of life. Comment on the statement with reference to the chapter “Deep Water”.
- If you could give the chapter a new title, what would it be? Support your answer with reference to the chapter “Deep Water”.

Q.7. Answer the following Long Answer Type Questions

- The childhood experience of terror of Douglas made him stronger and more determined. Elucidate the above statement supporting it with evidence from the text.

2. Imagine that the bully who threw Douglas into the pool reads this chapter and realizes his mistake. As the bully, write a diary entry penning down your response to Douglas' perseverance and your own feelings of guilt and regret.

Part-4 – Learning Homework

- **Learning Homework:** Learn Ch.- 3 From Flamingo.



R.E.D. Group of Schools

Chapter-wise Revision Assignment-4

Class: 12th

Subject: English Grammar

Part-1 – Word Structure

Section-A (Part of Speech)

Q.1. Define the following parts of speech and give one example.

- (a) Pronoun- _____
Example: _____
- (b) Noun- _____
Example: _____

Q.2. Choose the correct option as per the given directions:

A. In the sentence "By the time they arrive, I will have finished my homework," what is the tense of the verb "finished"?

- i. Present
- ii. Future perfect
- iii. Past perfect
- iv. Present perfect

B. Choose the sentence with the correct usage of the irregular verb "run."

- i. Last weekend, he runs in the marathon and finished in first place.
- ii. Sarah has run five miles every morning this week.
- iii. They have ran to catch the bus, but they missed it.
- iv. She runs quickly and has won several races.

C. In the sentence "She had been studying for hours before the exam," what is the tense of the verb "studying"?

- i. Present continuous
- ii. Past perfect continuous
- iii. Future continuous
- iv. Present perfect continuous

D. Choose the sentence with the correct usage of the irregular verb "swim."

- i. He swims every day after work and had swum competitively in college.
- ii. She has swimmmed in the ocean every summer since she was a child.
- iii. They swimmmed across the lake to reach the other side.
- iv. We have swum in this pool for years without any incidents.

Q.3. Fill in the blanks with correct parts of speech.

- A. The cat, as well as its kittens, _____ (sleep) peacefully in the warm sunbeam.
- B. Both the parents and their children _____ (enjoy) the picnic at the park.
- C. The team, despite their injuries, _____ (play) exceptionally well in the final match.
- D. The students, including John and Mary, _____ (study) for their exams late into the night.

Q.4. Identify and correct the error in the following sentence:

- A. Despite of the rain, the picnic was still enjoyable.
- B. The child's excitement knew no bound when he saw the presents under the Christmas tree.
- C. She is taller than me, but I am more faster than her.
- D. After finishing her degree, she wants to traveling around the world.

Q.5. Change the underlined parts of speech to the following:

- A. Despite the challenges, Maria completed Maria's project ahead of schedule. (to Pronoun)
- B. He talks about him's problems to everyone who will listen. (to possessive pronoun)

- C. The dog wagged its tail with excitement when its owner returned home. (to possessive pronoun)
D. My sister and me went to the store to buy some groceries. (to objective pronoun)

Part-2 – Sentence Structure

Section-B: Tense Structure

Q.6. Define the following tense and give one example.

(a) Past Tense- _____

Example: _____

(b) Present Tense- _____

Example: _____

Q.7. Choose the correct option as per the given directions:

A. He ____ a challenging book over the weekend.

- i. reads ii. reading iii. read iv. readed

B. The project ____ successfully completed by the dedicated team.

- i. is ii. are iii. was iv. were

C. She ____ her bicycle to school every day.

- i. rides ii. riding iii. rode iv. rided

D. They ____ to the party last night.

- i. go ii. going iii. Went iv. gone

Q.8. Fill in the blanks with the correct tense.

A. Before the guests arrived, the host _____ (decorate) the house with colorful balloons and streamers.

B. By next year, they _____ (save) enough money to buy a new car.

C. She _____ (study) French for two years before she moved to Paris.

D. By the time I woke up, my roommate _____ (already/make) breakfast.

Q.9. Identify and correct the error in the following sentences:

A. The children plays in the park every afternoon.

B. She have visited the art museum during her trip to Paris.

C. She don't like spicy food.

D. They is going to the concert tonight.

Q.10. Transform the given sentences as instructed:

A. We often visit our grandparents during the holidays. (to Simple Past Tense)

B. She writes articles for the newspaper regularly. (Change to Past Perfect Continuous)

C. We visited our grandparents during the holidays. (Simple Past Tense)

D. We will often visit our grandparents during the holidays. (Future Simple Tense)

Q.11. Translate the given Hindi sentence into English-

A. मैंने उसे कल स्कूल जाते हुए देखा।

B. मैंने कल बाजार से सब्जियाँ खरीदीं।

C. हम पिछले साल हिमालय की यात्रा पर गए थे।

D. उसने अपनी किताबें पढ़ लीं। बच्चों ने पार्क में खेला।

Section-C: Voices

Q.12. Convert the given sentence as instructed

A. The people were helping the wounded woman.

B. The chef was preparing a delicious meal.

C. The children were building a sandcastle.

D. The committee was organizing the annual event.

E. The technician was repairing the broken computer.

Section-D: Narration

Q.13. Convert the given sentence as instructed

- A. She said, "I will finish the project by tomorrow."
- B. He remarked, "I am going to the store after work."
- C. They exclaimed, "We won the championship!"
- D. John asked, "Can you help me with this assignment?"
- E. Maria mentioned, "I have never been to Paris."

Section-E

Part-3 – Creative Writing Skills

Q.14. Questions based on hobbies, experiences or picture descriptions.

- A. Write about your hobby or a memorable experience. Describe how you developed this hobby or had this experience, how it has influenced your life, and what you have learned from it."
- B. "Reflect on a skill you have developed over the years. Explain how you discovered this skill, the steps you took to improve it, and how it has impacted your personal growth and everyday life."

Q.15. Question based on Essay Writing/Story Writing/ Letter Writing/ E-Mail.

- A. 'The Importance of Education'
- B. Climate Change and Its Effects on Future Generations

Summer Holidays Homework

SESSION: 2024-25

CLASS –12th

Subject: Political Science

Text Book: Contemporary World Politics
Politics in India since Independence

1. Syllabus Covered upto MAY END

- Chapter No.- 06 - The crises of democratic order
- Chapter No.- 05 - Security in the contemporary world

2. List of all new concepts taught upto MAY END

- Circumstances prevailing national emergency in 1975.
- Background to Emergency

3. Summer Holiday Homework:

- **Reading Homework:**
 - **Section – A:** Pre-Reading of Next Two Chapters
 - **Regional Aspiration**
 - **Environmental and natural resources**
- **Written Homework:**
 - **Section – B:** Chapter-wise Revision Assignments
 - **Section – C:** Current Affairs Project
 - **Section – D:** Creative Project/ Working Model
 - **Section – E:** Chart Work

4. Tools required for doing Homework:

- Text Book
- Notebook
- A4 Sheets
- Resources as per activity

5. Instruction/Guidelines for Reading Homework:

- **Section – A: Pre-Reading Homework**
 - Do the Pre-Reading of Chapter No. 06 and 07.
 - Write all the difficult words & their meanings of above chapters in Political Science N.B.

6. Instruction/Guidelines for Written Homework

- **Section – B:** Do the given Assignments in your subject Notebook.
- **Section – C:** Current Affairs Project:
 - Collecting current news of five National, five International and five Sports of Month June
- **Section – D:** Creative Project/ Models
 - Topic: Roll no 1 to 8 (Interactive Scrapbook:)
 - **Historical Political Events:** Timelines with pop-up notes explaining significant events.
 - **Political Theories:** Illustrated diagrams explaining different political ideologies.
 - Topic: Roll no 9 to 16 (Model United Nations Simulation)
 - **Delegate Preparation:** Research and represent different countries, understanding their political systems and current issues.
 - **Debate Sessions:** Organize debates on pressing global issues, encouraging public speaking and negotiation skills.

- Topic: Roll no 17 to 24 (Political Science Documentary)
 - **Research and Scriptwriting:** Research a political event, theory, or figure and write a script.
 - **Filming and Editing:** Use basic video editing tools to compile interviews, narrations, and visuals.
- Topic: Roll no 25 to 35 (Political Science Art Project)
 - **Political Cartoons:** Draw cartoons that comment on current political issues or historical events.
 - **Art Exhibits:** Organize a virtual or physical exhibit to showcase the artworks, with explanations of the political messages behind them.
- **Section – E: Chart Work**
 - Topic: Roll no 1 to 8 (Flowchart of Government Structure)
 - **Branches of Government:** Executive, Legislative, and Judiciary.
 - **Sub-Divisions:** For example, under the Executive, include the President, Vice President, and Cabinet.
 - **Functions:** Briefly describe the primary functions of each branch and its components
 - Topic: Roll no 9 to 16 (Timeline of Major Political Events)
 - **National Milestones:** Such as independence, major reforms, landmark elections, etc.
 - **Global Events:** Major international events like the formation of the United Nations, the Cold War, etc.
 - Topic: Roll no 17 to 24 (Venn Diagram of Electoral Systems)
 - **Types of Systems:** First-Past-The-Post, Proportional Representation, Mixed Electoral Systems, etc.
 - **Features:** How votes are counted, representation, advantages, and disadvantages.
 - **Overlap:** Highlight any features that are common between the systems.
 - Topic: Roll no 25 to 31 (Human Rights)
 - **Types of Rights:** Civil, Political, Economic, Social, and Cultural Rights.
 - **Examples:** Specific rights under each category, such as freedom of speech, right to education, etc.
 - **International Treaties:** Major treaties and agreements protecting human rights.

7. Marking scheme for Political Science homework: –

- | | |
|--------------------------------------------------------|----------------|
| ● Section-A : Pre-Reading HW | |
| ➤ Difficult words & their meanings in N.B. | 4 marks |
| ● Section-B : Chapter wise Revision Assignments | 4 marks |
| ● Section-C : Project on Current Affairs | 4 marks |
| ● Section-D : Creative Project/Working Model | 4 marks |
| ● Section-E : Chart | 4 marks |

Total marks of Political Science H.W.	<u>20 marks</u>
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8. Important Note:

All students must submit their vacation Homework of All Subjects for Assessment by teacher on 1st July 2024 by all means. Five marks will be deducted for per day of delay after 1st July 2024.



Class: 12th
Ch. No.: 01

R.E.D. Group of Schools Chapter-wise Revision Assignment-1

Subject: Political Science
Ch. Name: The End of Bipolarity

Part-1 – for Vocabulary skills

Q.1. Define the following Key Terms:

- | | | |
|-----------------------|--------------------------|-------------------|
| (i) Economic System | (ii) Social developments | (iii) Economy |
| (iv) Union | (v) Communist Party's | (vi) Enterprises |
| (vii) Quality control | (viii) Institutions | (ix) Commonwealth |
| (x) Independent | | |

Part-2 – Reading skills

Q.2. Read the following Passage from the Chapter & answer the questions.

Passage

The Central Asian countries wanted to take advantage of their geographical location and continue their close ties with Russia and also to establish ties with the West, the US, China and others. Thus, the international system saw many new players emerge, each with its own identify, interests, and economic and political difficulties.

It is to these issues that we now turn.

Answer the following Questions from the passage:-

- (A) Why did the Central Asian countries want to maintain ties with both Russia and the West?
(B) Name the new players that emerged in the international system after the disintegration of USSR?
(C) Mention any two profound consequences of it on world politics?

Part-3 – Application skills of Subject Tools & Concepts

Q.3. Solve the following questions based on Maps or Diagram or Graphs given below
Maps:

- a) On political map on world mark the countries involved in cold war

Q.4. Solve the following Assertion-Reason/Statement based question



(i) **Assertion (A):** After end of cold war, there was a rapid transition from a bipolar system to aunipolar system.

Reason (R): The Collapse of Soviet Power in Eastern and Central Europe and later the end of the USSR itself were the reason for the change into a unipolar system.

In light of the above statements, choose the correct answer from the options given below:

- a) Both (A) and (R) are true and (R) is the correct explanation of (A).
- b) Both (A) and (R) are true but (R) is NOT the correct explanation of (A).
- c) (A) is true but (R) is false.
- d) (A) is false but (R) is true.

Assertion (A): The Soviet economy was then more developed than the rest of the world except for the US.

Reason (R): The Soviet Union became a great power after the Second World War

Q.5. Analyze the given picture & describe it in your own words

Picture :-

Q.6. Answer the following Short Answer Type Questions

1. Highlight any one feature of the multipolar world as visualized by both Russia and India.
2. Mention any two reasons for disintegration of the Soviet Union.
3. What was the main objective of 'Operation Desert Storm'?
4. What was 'Operation Enduring Freedom' launched by the United States of America?
5. Who encouraged the coup that took place in 1991 in the Soviet Union and why?

Q.7. Answer the following Long Answer Type Questions

1. Analyse any six factors which helped the Soviet Union in becoming a superpower after the Second World War.
2. Explain any four issues of tensions and conflicts in the former Soviet Republic.
3. Highlight any three major consequences of 'Shock Therapy' in the Post Communist Regimes.
4. Write an essay on 'Commonwealth of Independent States'.
5. Write an essay on Arab Spring.

Part-4 – Learning Homework

- **Learning Homework:** Learn Ch- 1 to 5 From Text Book/Notebook.



Class: 12th
Ch. No.: 02

R.E.D. Group of Schools Chapter-wise Revision Assignment-2

Subject: Political Science
Ch. Name: Contemporary Centres of Power

Part-1 – for Vocabulary skills

Q.1. Define the following Key Terms:

- | | | |
|---------------------|------------------|---------|
| (i) Unipolarity | (v) Hegemony | (ix) G7 |
| (ii) Bipolarity | (vi) Soft Power | (x) G20 |
| (iii) Multipolarity | (vii) Hard Power | |
| (iv) Superpower | (viii) BRICS | |

Part-2 – Reading skills

Q.2. Read the following Passage from the Chapter & answer the questions.

Passage

ASEAN was and still remains principally an economic association. While the ASEAN region as a whole is a much smaller economy compared to the US the EU, and Japan, its economy is growing much faster than all these. This accounts for the growth in its influence both in the region and beyond. The objectives of the ASEAN Economic Community are to create a common market and production base within ASEAN States and to aid social and economic development in the region. The Economic Community would also like to improve the existing ASEAN Dispute Settlement Mechanism to resolve economic disputes. ASEAN has focused on creating a Free Trade Area(FTA) for investment, labour, and services. The US and China have already moved fast to negotiate FTAs with ASEAN.

Answer the following Questions from the passage:-

- (A) What is the objective of ASEAN Economic Community?
(B) Why did ASEAN establish Free Trade Areas (FTAs)?
(C) 3. How ASEAN Economic Community would resolve economic disputes?

Part-3 – Application skills of Subject Tools & Concepts

Q.3. Solve the following questions based on Maps or Diagram or Graphs given below

Maps:

- a) On the political map of world mark the names of countries which were initial members of United Nations

Q.4. Solve the following Assertion-Reason/Statement based question

Assertion (A): After end of cold war, there was a rapid transition from a bipolar system to unipolar system.

Reason (R): The Collapse of Soviet Power in Eastern and Central Europe and later the end of the USSR itself were the reason for the change into a unipolar system.

In light of the above statements, choose the correct answer from the options given below:

- a) Both (A) and (R) are true and (R) is the correct explanation of (A).
b) Both (A) and (R) are true but (R) is NOT the correct explanation of (A).
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In light of the above statements, choose the correct answer from the options given below:

Both (A) and (R) are true and (R) is the correct explanation of (A).

Both (A) and (R) are true but (R) is NOT the correct explanation of (A).

(A) is true but (R) is false.

(A) is false but (R) is true.

Q.5. Analyze the given picture & describe it in your own words

Picture :-



Q.6. Answer the following Short Answer Type Questions

- 1) Write two achievements of ASEAN
- 2) What do ASEAN and FTA stand for ?
- 3) What led to the formation of the European Union?
- 4) Name any four members of the European Union
- 5) State any two challenges faced by BRICS.

Q.7. Answer the following Long Answer Type Questions

1. 'The European Union has economic, political and diplomatic, and military influence'. Substantiate the statement.
2. Evaluate any three major factors responsible for making the European Union a political force from being an economic force.
3. Describe the aims and achievements of Association of South East-Asian Nation (ASEAN).
4. Explain the three main pillars of the ASEAN Community along with one objective of each.
5. Write a short note on the role and limitations of SAARC as a forum for facilitating economic cooperation among the South Asian countries.

Part-4 – Learning Homework

- **Learning Homework:** Learn Ch- 1 to 5 From Text Book/Notebook.



Class: 12th
Ch. No.: 03

R.E.D. Group of Schools Chapter-wise Revision Assignment-3

Subject: Political Science
Ch. Name: Contemporary South Asia

Part-1 – for Vocabulary skills

Q.1. Define the following Key Terms:

- | | | |
|-----------------------|-------------------------------|---------------------------|
| 1. South Asia | 5. Bangladesh Liberation War | 8. Economic Development |
| 2. SAARC | 6. Sri Lankan Civil War | 9. Indo-China Relations |
| 3. Partition of India | 7. Nepal's Democracy Movement | 10. Democratic Governance |
| 4. Indo-Pak Relations | | |

Part-2 – Reading skills

Q.2. Read the following Passage from the Chapter & answer the questions.

Passage

The lack of genuine international support for democratic rule in Pakistan has further encouraged the military to continue its dominance. The United States and other Western countries have encouraged the military's authoritarian rule in the past, for their own reasons. Given their fear of the threat of what they call 'global Islamic terrorism' and the apprehension that Pakistan's nuclear arsenal might fall into the hands of these terrorist groups, the military regime in Pakistan has been seen as the protector of Western interests in West Asia and South Asia

Answer the following Questions from the passage:-

- (A) What is meant by 'global Islamic terrorism'?
- (B) Why did Pakistan lack genuine international support for democratic rule?
- (C) Why was the military regime in Pakistan considered as the protector of Western interests in West Asia and South Asia?

Part-3 – Application skills of Subject Tools & Concepts

Q.3. Solve the following questions based on Maps or Diagram or Graphs given below
Maps:

- a) On the political map of world marks the name of countries members of SAARC

Q.4. Solve the following Assertion-Reason/Statement based question

- (i) **Assertion (A):** India and Pakistan have a history of conflicts and wars.
Reason (R): The Kashmir issue remains unresolved between India and Pakistan.
(a) Both A and R are true, and R is the correct explanation of A.
(b) Both A and R are true, but R is not the correct explanation of A.
(c) A is true, but R is false.
(d) A is false, but R is true.
- (ii) **Assertion (A):** Bangladesh gained independence from Pakistan in 1971.
Reason (R): The cultural and linguistic differences between East and West Pakistan led to the independence movement in East Pakistan.
(a) Both A and R are true, and R is the correct explanation of A.
(b) Both A and R are true, but R is not the correct explanation of A.
(c) A is true, but R is false.
(d) A is false, but R is true.

Q.5. Analyze the given picture & describe it in your own words

Picture :-



Q.6. Answer the following Short Answer Type Questions

1. When was new Constitution implemented in Nepal
2. In which year multi-party system was introduced in Maldives?
3. Which countries signed the Farakka Treaty ?
4. Which Indian Prime Minister undertook bus journey to Lahore?
5. Suggest any one measure to improve Indo-Pak ties in the current scenario.

Q.7. Answer the following Long Answer Type Questions

1. Write an essay on Pakistan and democracy.
2. Explain Nepal's transition from Monarchy to Democracy.
3. Write an essay on Military Rule Democracy in Bangladesh.
4. Write an essay on the Maldives and Democracy.
5. How are the external powers influencing bilateral relation in South Asia ? Take any one example to illustrate your points.

Part-4 – Learning Homework

- **Learning Homework:** Learn Ch- 1 to 5 From Text Book/Notebook.



Class: 12th
Ch. No.: 04

R.E.D. Group of Schools Chapter-wise Revision Assignment-4

Subject: Political Science
Ch. Name: International Organisations

Part-1 – for Vocabulary skills

Q.1. Define the following Key Terms:

- | | | |
|----------------------------------------|-------------------------------------------------|-----------------------------------------------------|
| (i) United Nations (UN) | (vi) World Trade Organization (WTO) | (ix) ASEAN (Association of Southeast Asian Nations) |
| (ii) Veto Power | (vii) NATO (North Atlantic Treaty Organization) | (x) International Atomic Energy Agency (IAEA) |
| (iii) World Health Organization (WHO) | | |
| (iv) International Monetary Fund (IMF) | (viii) European Union (EU) | |
| (v) World Bank | | |

Part-2 – Reading skills

Q.2. Read the following Passage from the Chapter & answer the questions.

Passage

The UN is an imperfect body, but without it the world would be worse off. Given the growing connections and links between societies and issues- what we often call 'interdependence' - it is hard to imagine how more than seven billion people would live together without an organisation such as the UN. Technology promises to increase planetary interdependence, and therefore, the importance of the UN will only increase. People and governments will have to find ways of supporting and using the UN and other international organisations in ways that are consistent with their own interests and the interests of the international community more broadly.

Answer the following Questions from the passage:-

- (A) Identify any two limitations of the United Nations that make it an imperfect body.
(B) How would the world be worse off if there were no United Nations? Explain.
(C) Give any one example of planetary interdependence.?

Part-3 – Application skills of Subject Tools & Concepts

Q.3. Solve the following questions based on Maps or Diagram or Graphs given below
Maps:

- a) On the political outline map of world marks the name of countries member of European Union

Q.4. Solve the following Assertion-Reason/Statement based question

- (i) **Assertion (A):** The Security Council is the most powerful organ of the UN.

Reason (R): The five permanent members of the Security Council have veto power.

- (a) Both A and R are true, and R is the correct explanation of A.
(b) Both A and R are true, but R is not the correct explanation of A.
(c) A is true, but R is false.
(d) A is false, but R is true.

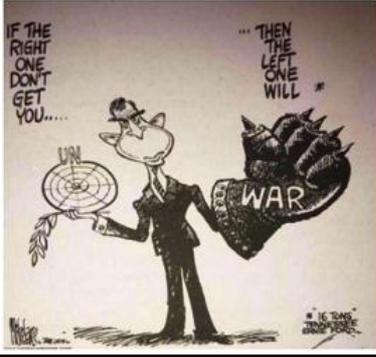
- (ii) **Assertion (A):** The United Nations (UN) was established in 1945 with the primary objective of maintaining international peace and security.

Reason (R): The Security Council, one of the main organs of the UN, has the authority to take action to address threats to peace and acts of aggression, including the authorization of peacekeeping missions and the imposition of sanctions or military intervention.

- (a) Both A and R are true, and R is the correct explanation of A.
(b) Both A and R are true, but R is not the correct explanation of A.
(c) A is true, but R is false.
(d) A is false, but R is true.

Q.5. Analyze the given picture & describe it in your own words

Picture :-



Q.6. Answer the following Short Answer Type Questions

1. Who is the present Secretary General of the United Nations ?
2. Mention any two agencies of the United Nations.
3. What is World Health Organisation (WHO)?
4. Write the full form of I.M.F.
5. Highlight any one benefit of having an international organisation.

Q.7. Answer the following Long Answer Type Questions

1. Mention the six principal organs of the United Nations and describe the functions of any two of them.
2. Analyze the composition of the United Nations Security Council. What according to your opinion is the major difference in the privileges given to its permanent and non-permanent members?
3. Mention any six post-cold war changes that have necessitated reform to make the United Nations work better.
4. Describe any four criteria that have been proposed in recent years for new permanent and non-permanent members of the Security Council.
5. What is Veto power ? Which member nations of the U.N. security council enjoy this special power and why?

Part-4 – Learning Homework

- **Learning Homework:** Learn Ch- 1 to 5 From Text Book/Notebook.



R.E.D. Group of Schools

Chapter-wise Revision Assignment-5

Class: 12th
Ch. No.: 05

Subject: Political Science
Ch. Name: Security in the Contemporary World

Part-1 – for Vocabulary skills

Q.1. Define the following Key Terms:

- | | | |
|-----------------------------|---------------------------|---------------------|
| (i) National Security | (v) Nuclear Proliferation | (ix) Deterrence |
| (ii) International Security | (vi) Cybersecurity – | (x) State Terrorism |
| (iii) Military Security | (vii) Border Security | |
| (iv) Terrorism | (viii) Intelligence | |

Part-2 – Reading skills

Q.2. Read the following Passage from the Chapter & answer the questions.

Passage

All proponents of human security agree that its primary goal is the protection of individuals. However, there are differences about precisely what threats individuals should be protected from. Proponents of the ‘narrow’ concept of human security focus on violent threats to individuals.

Answer the following Questions from the passage:-

- (A) Which type of security is the main concern of ‘human security’?
(B) What would you like to include under the ‘broad’ concept of human security? Explain.
(C) Identify any four threats from which individuals should be protected.

Part-3 – Application skills of Subject Tools & Concepts

Q.3. Solve the following questions based on Maps or Diagram or Graphs given below
Diagram:

- a) Make a diagram on Types of Security Threats

Q.4. Solve the following Assertion-Reason/Statement based question

- (i) **Assertion (A):** Non-traditional security threats, such as climate change and pandemics, pose significant challenges to global security.

Reason (R): Non-traditional security threats are often transnational in nature and require international cooperation and collective action to address effectively.

- (a) Both A and R are true, and R is the correct explanation of A.
(b) Both A and R are true, but R is not the correct explanation of A.
(c) A is true, but R is false.
(d) A is false, but R is true.

- (ii) **Assertion (A):** Cyber security has become a critical aspect of national security in the contemporary world.

Reason (R): With increasing reliance on digital infrastructure and interconnected systems, nations are vulnerable to cyber attacks that can disrupt essential services, compromise sensitive information, and undermine national security.

- (a) Both A and R are true, and R is the correct explanation of A.
(b) Both A and R are true, but R is not the correct explanation of A.
(c) A is true, but R is false.
(d) A is false, but R is true.

Q.5. Analyze the given picture & describe it in your own words

Picture :-



Q.6. Answer the following Short Answer Type Questions

1. What is meant by Security ?
2. Define Cooperative Security.
3. Explain the importance of arms control as a measure of traditional security.
4. Who said it “Security clearly implies measures for dealing with threat to peace”?
5. Explain the traditional concept of security.

Q.7. Answer the following Long Answer Type Questions

1. What is meant by Security ? Evaluate the role of any four new sources of threat to security.
2. Describe health epidemics as the new source of threat under the non-traditional sources of threat to security.
3. What is meant by cooperative security? How can this be made more effective ?
4. What is meant by traditional notion of external security ? Describe any two components of this type of security.
5. What do you understand by the terrorism?

Part-4 – Learning Homework

- **Learning Homework:** Learn Ch- 1 to 5 From Text Book/Notebook.



R.E.D. GROUP OF SCHOOLS

Summer Holidays Homework

SESSION: 2024-25

Class: 12th Subject: Geography

Text Book: Human Settlements & Indian People and Economy

1. Syllabus Covered up to MAY END

- Chapter No.- 07 Tertiary & Quaternary Activities
- Chapter No.- 08 Transport & Communication
- Chapter No.- 09 International Trade
- Chapter No.- 10 Human Settlement
- Chapter No.- 01 Population Distribution, Density, Growth & Composition (Indian People & Economy)
- Chapter No.- 05 Land Resources & Agriculture

2. List of all new concepts taught up to MAY END

- Tertiary & Quaternary Activities
- Transport & Communication
- International Trade
- Human Settlement
- Population Distribution, Density, Growth & Composition (Indian People & Economy)
- Land Resources & Agriculture

3. Summer Holiday Homework:

- **Reading Homework:**
 - **Section – A:** Pre-Reading of Next Two Chapters
- **Written Homework:**
 - **Section – B:** Chapter-wise Revision Assignments
 - **Section – C:** Enquiry based activity
 - **Section – D:** Creative Project/ Working Model
 - **Section – E:** Chart Work

4. Tools required for doing Homework:

- Text Book
- Notebook
- A4 Sheets
- Resources as per activity

5. Instruction/Guidelines for Reading Homework:

- **Section – A: Pre-Reading Homework**
 - Do the Pre-Reading of Chapter No. 6 (Water Resource) and 7 (Mineral & Energy Resource).
 - Write all the difficult words & their meanings of above chapters in Geography N.B.

6. Instruction/Guidelines for Written Homework

- **Section – B:** Do the given Assignments on A4 Sheet.
- **Section – C:** Enquiry Based Activity.

Materials Required: As per requirement of the model.

Steps to enquire the topics: Note down daily maximum and minimum temperature of the day and write this in diary with date at the end of the month find out the average of the temperature.

- **Section – D: Creative Project/ Models**

- **Make a Project Report on their own Village, points to be include in project report are:**

Topic	Roll No.
<ul style="list-style-type: none"> • Location of Village • Population structure of village (Male / Female) • Social Structure of Village (Jati) 	Roll Number - 1 to 20
<ul style="list-style-type: none"> • Visit a nearby village & observe the cultivation of some crops & prepare a report 	Roll Number - 21 to 39

○ **Section – E: Chart Work**

Topic	Roll No.
Make a chart on the Activities of BPO	Roll Number - 1 to 5
Make a chart on the Activities of KPO	Roll Number - 6 to 10
Make a chart on the Population Distribution of India	Roll Number - 11 to 15
Make a chart on the Primary Activities	Roll Number - 16 to 20
Make a chart on the Secondary Activities	Roll Number - 21 to 25
Make a chart on the International Trade	Roll Number - 26 to 30
Make a chart on the Human Settlements	Roll Number - 31 to 35
Make a chart on the Main Oceanic Routes in the World	Roll Number - 36 to 39

7. Marking scheme for Geography homework: –

- **Section-A : Pre-Reading HW**
 - Difficult words & their meanings in N.B. **4 marks**
- **Section-B : Chapter wise Revision Assignments** **4 marks**
- **Section-C : Enquiry Based Activity** **4 marks**
- **Section-D : Creative Project/Working Model** **4 marks**
- **Section-E : Chart** **4 marks**

Total marks of Geography H.W. 20 marks

8. Important Note:

- **All students must submit their vacation Homework of All Subjects for Assessment by teacher on 1st July 2024 by all means. Five marks will be deducted for per day of delay after 1st July 2024.**



R.E.D. Group of Schools

Chapter-wise Revision Assignment-1

Class: 12th

Subject: Geography

Ch. Name: Tertiary & Quaternary Activities

Ch. No.: 7

Part-1 – for Vocabulary skills

Q.1. Define the following Key Terms:

- | | |
|---------------------------|---------------------|
| (i) Trade | (vi) MRI |
| (ii) Node | (vii) Dissemination |
| (iii) Link | (viii) Outsourcing |
| (iv) Secondary Activities | (ix) Mass media |
| (v) CBD | (x) Medical Tourism |

Part-2 – Reading skills

Q.2. Read the following Passage from the Chapter & answer the questions.

In modern economies, tertiary and quaternary activities play a crucial role in shaping the socio-economic landscape. Tertiary activities, also known as the service sector, encompass a wide range of services provided to individuals and businesses. These include healthcare, education, transportation, tourism, banking, and information technology. The growth of tertiary activities is closely linked to urbanization, technological advancements, and changes in consumer behavior.

Quaternary activities, on the other hand, involve intellectual and knowledge-based endeavors. This sector includes research and development, information technology services, consultancy, education, and media. Quaternary activities are characterized by their reliance on human capital, innovation, and information exchange. In the era of globalization, quaternary activities have become increasingly important as countries seek to enhance their competitiveness in the global market.

Together, tertiary and quaternary activities contribute significantly to economic growth, employment generation, and overall development. They provide essential services, create high-value jobs, and drive innovation and productivity gains. However, challenges such as digital divide, skill gaps, and uneven distribution of services remain prevalent, underscoring the need for policies that promote inclusive and sustainable development.

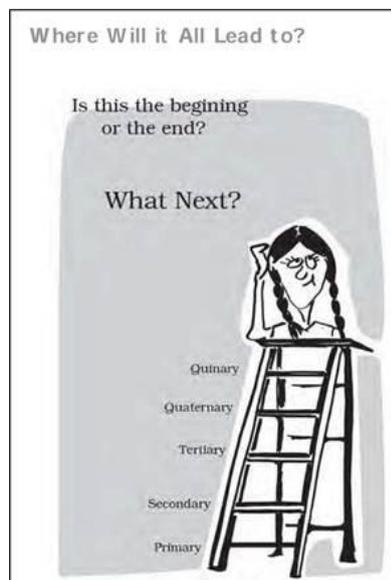
Answer the following Questions from the passage: -

- (A) Define tertiary activities and provide examples.
- (B) Explain the significance of tertiary activities in modern economies.
- (C) What are quaternary activities, and how do they differ from tertiary activities?

Part-3 – Application skills of Subject Tools & Concepts

Q.3. Solve the following questions based on Maps or Diagram or Graphs given below: –

Diagram:



- a) What is primary activities?
- b) What is the difference between secondary and tertiary activities?
- c) Define Quaternary activities.

Q.4. Solve the following Assertion-Reason/Statement based question: –

(i) **Assertion (A): The growth of quaternary activities is closely linked to advancements in information technology.**

Reason (R): Quaternary activities primarily involve intellectual and knowledge-based endeavors, such as research and development and information technology services.

- A. Both A and R are true and R is the correct explanation of A.
- B. Both A and R are true but R is NOT the correct explanation of A.
- C. A is true but R is false.
- D. A is false but R is true.

(ii) **Assertion (A): Tertiary activities are more concentrated in urban areas compared to rural areas.**

Reason (R): Tertiary activities, which constitute the service sector, require a high population density and better infrastructure, which are typically found in urban centers.

- A. Both A and R are true and R is the correct explanation of A.
- B. Both A and R are true but R is NOT the correct explanation of A.
- C. A is true but R is false.
- D. A is false but R is true.

Q.5. Analyze the given picture & describe it in your own words.

Picture: –



Q.6. Answer the following Short Answer Type Questions: –

1. Explain retail trading services.
2. Describe Quaternary activities.
3. What is digital divide?
4. Explain Wholesale Trading.
5. Make a list of Tertiary activities.

Q.7. Answer the following Long Answer Type Questions: –

1. Define the term Tourism.
2. Explain any three characteristics of quaternary activities.
3. Explain any three characteristics of periodical markets of rural areas in the world.
4. How does the climate of a region attract tourist? Explain with examples from different regions of the world?
5. Compare the features of rural and urban market centres of world

Part-4 – Learning Homework

- **Learning Homework:** Learn Ch-7 From Text Book/Notebook.



R.E.D. Group of Schools

Chapter-wise Revision Assignment-2

Class: 12th

Subject: Geography

Ch. Name: Transport & Communication

Ch. No.: 8

Part-1 – for Vocabulary skills

Q.1. Define the following Key Terms:

- | | |
|-----------------------------------|-----------------------------------------------------|
| (i) Transportation Infrastructure | (vi) Logistics |
| (ii) Modes of Transport | (vii) Intermodal Transportation |
| (iii) Urbanization | (viii) Communication Networks |
| (iv) Globalization | (ix) Information and Communication Technology (ICT) |
| (v) Digital Divide | |

Part-2 – Reading skills

Q.2. Read the following Passage from the Chapter & answer the questions.

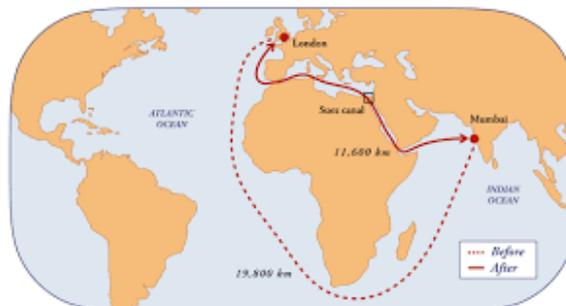
The advent of the internet and digital communication technologies has revolutionized the way people connect and interact with each other. With the click of a button, individuals can communicate instantly across vast distances, transcending geographical boundaries. Moreover, e-commerce platforms have transformed the way goods are bought and sold, with consumers now able to access a global marketplace from the comfort of their homes.

Answer the following Questions from the passage: –

- (A) How has the internet transformed communication patterns in the modern era?
- (B) What role do e-commerce platforms play in shaping the global marketplace, and how do they impact traditional retail practices?
- (C) Discuss the significance of digital communication technologies in bridging geographical distances and fostering global connectivity.

Part-3 – Application skills of Subject Tools & Concepts

Q.3. Solve the following questions based on Maps or Diagram or Graphs given below
Diagram:



- (i) Where Suez Canal is Located?
- (ii) How Suez Canal is important?
- (iii) When Suez Canal had been constructed?

Q.4. Solve the following Assertion-Reason/Statement based question

(i) **Assertion (A): The development of efficient transportation networks is essential for economic growth and regional integration.**

Reason (R): Well-connected transportation networks facilitate the movement of goods and people, leading to increased trade, investment, and economic activities.

A. Both A and R are true and R is the correct explanation of A.

B. Both A and R are true but R is NOT the correct explanation of A.

C. A is true but R is false.

D. A is false but R is true.

(ii) **Assertion (A):** Advancements in communication technologies have reduced the significance of geographical distances in today's interconnected world.

Reason (R): Digital communication technologies, such as the internet and mobile phones, enable instantaneous communication and information exchange, regardless of physical distance.

A. Both A and R are true and R is the correct explanation of A.

B. Both A and R are true but R is NOT the correct explanation of A.

C. A is true but R is false.

D. A is false but R is true.

Q.5. Analyze the given picture & describe it in your own words.

Picture: –



Q.6. Answer the following Short Answer Type Questions: –

1. What is the role of transportation infrastructure in facilitating economic development?
2. Describe three different modes of transportation and provide an example of each.
3. How does the concept of intermodal transportation contribute to efficiency in freight movement?
4. Explain the term "last-mile connectivity" in the context of transportation networks.
5. Discuss the impact of digital communication technologies on globalization and cultural exchange.

Q.7. Answer the following Long Answer Type Questions: –

1. Discuss the role of transportation infrastructure in shaping the spatial organization of economic activities. Provide examples to illustrate how transportation networks influence the location of industries, urban development, and regional disparities.
2. Analyze the challenges and opportunities associated with the development of sustainable transportation systems. Consider factors such as environmental impacts, energy efficiency, and social equity in your discussion.
3. Explain the concept of globalization and its relationship with transportation and communication networks. How have advancements in transportation and communication technologies facilitated the integration of economies and cultures on a global scale?
4. Evaluate the impact of digital communication technologies on social interactions and cultural exchange. Discuss both positive and negative effects, considering aspects such as connectivity, privacy, and the digital divide.
5. Assess the role of government policies and regulations in shaping transportation and communication systems. Discuss specific policy measures that can promote efficiency, safety, and accessibility while addressing environmental concerns and social equity.

Part-4 – Learning Homework

- **Learning Homework:** Learn Ch- 8 From Text Book/Notebook.



R.E.D. Group of Schools

Chapter-wise Revision Assignment-3

Class: 12th

Ch. Name: International Trade

Subject: Geography

Ch. No.: 09

Part-1 – for Vocabulary skills

Q.1. Define the following Key Terms:

- | | |
|--------------------|---------------------------|
| (i) Trade | (vi) Docking |
| (ii) Barter System | (vii) Cargo |
| (iii) Artifacts | (viii) Hinterland |
| (iv) WTO | (ix) Balance of Trade |
| (v) Ports | (x) Foreign Exchange Rate |

Part-2 – Reading skills

Q.2. Read the following Passage from the Chapter & answer the questions.

International trade, the exchange of goods and services across international borders, has a long and intricate history that dates back to ancient civilizations. Early trade routes, such as the Silk Road and the spice routes, were established by traders seeking to exchange silk, spices, and other valuable commodities. These early networks not only facilitated economic exchange but also cultural and technological interactions between distant regions. During the Age of Exploration in the 15th and 16th centuries, European powers expanded global trade networks by discovering new sea routes and establishing colonies. This era marked the beginning of a more interconnected global economy, driven by mercantilism and colonial exploitation. The Industrial Revolution of the 18th and 19th centuries further transformed international trade, as technological advancements and mass production led to a surge in the exchange of manufactured goods. In the 20th century, the establishment of international institutions such as the World Trade Organization (WTO) and trade agreements like the General Agreement on Tariffs and Trade (GATT) promoted a more regulated and open global trade system. Today, international trade remains a cornerstone of globalization, driving economic growth, innovation, and cultural exchange across the world.

Answer the following Questions from the passage: -

- (A) What is International Trade?
- (B) Write down full form of WTO and GATT.
- (C) How WTO is important for world economy?

Part-3 – Application skills of Subject Tools & Concepts

Q.3. Solve the following questions based on Maps or Diagram or Graphs given below
Diagram:



- (i) What is the initial form of trade in primitive society?
- (ii) What is barter system?
- (iii) Which difficulties are found in barter system?

Q.4. Solve the following Assertion-Reason/Statement based question

- (i) **Assertion (A) : International trade leads to a more efficient allocation of resources.**
Reason (R) : Countries can specialize in the production of goods and services in which they have a comparative advantage.

A. Both A and R are true and R is the correct explanation of A.

- B. Both A and R are true but R is NOT the correct explanation of A.
- C. A is true but R is false.
- D. A is false but R is true.

(ii) **Assertion (A):** Protectionist policies like tariffs and quotas benefit domestic industries.
Reason (R): Tectonic These policies restrict foreign competition, allowing domestic industries to grow without facing external pressures.

- A. Both A and R are true and R is the correct explanation of A.
- B. Both A and R are true but R is NOT the correct explanation of A.
- C. A is true but R is false.
- D. A is false but R is true.

Q.5. Analyze the given picture & describe it in your own words.



Q.6. Answer the following Short Answer Type Questions

1. What is the primary difference between absolute advantage and comparative advantage in international trade?
2. How did the Industrial Revolution impact international trade?
3. What role does the World Trade Organization (WTO) play in international trade?
4. Why do countries implement protectionist policies such as tariffs and quotas?
5. Explain the concept of trade liberalization.

Q.7. Answer the following Long Answer Type Questions

1. What is a trade deficit, and what are its potential implications for a country?
2. How does international trade contribute to economic growth?
3. What are the main components of the balance of payments?
4. Describe the significance of the Silk Road in the history of international trade.
5. What is the purpose of regional trade agreements (RTAs)?

Part-4 – Learning Homework

- **Learning Homework:** Learn Ch - 09 From Text Book/Notebook.



R.E.D. Group of Schools

Chapter-wise Revision Assignment-4

Class: 12th

Subject: Geography

Ch. Name: Population Distribution, Density, Growth & Composition

Ch. No.: 01

Part-1 – for Vocabulary skills

Q.1. Define the following Key Terms:

- | | |
|--------------------------|---------------------------------|
| i. Density of Population | vi. Urban Population |
| ii. Growth of Population | vii. Linguistic composition |
| iii. Decadal Growth | viii. Cultivator |
| iv. Convectional Current | ix. Agriculture Labor |
| v. Rural Population | x. House hold Industrial worker |

Part-2 – Reading skills

Q.2. Read the following Passage from the Chapter & answer the questions.

Density of population is expressed as number of persons per unit area. It helps in getting a better understanding of the spatial distribution of population in relation to land. The density of population in India (2011) is 382 persons per sq. km. There has been a steady increase of more than 200 persons per sq. km over the last 50 years as the density of population increased from 117 persons / sq. km in 1951 to 382 persons / sq. km in 2011. IN the country which ranges from as low as 17 persons per sq. km in Arunachal Pradesh to 11297 persons in the National Capital Territory of Delhi. Among the northern Indian States, Bihar (1102), West Bengal (1029) and Uttar Pradesh (828) have higher densities, while Kerala (859) and Tamil Nadu (555) have higher densities among the peninsular Indian states. States like Assam, Gujarat, Andhra Pradesh, Haryana, Jharkhand, Odisha have moderate densities. The hill states of the Himalayan region and North eastern states of India (excluding Assam) have relatively low densities while the Union Territories (excluding Andaman and Nicobar Islands) have very high densities of population. The density of population, as discussed in the earlier paragraph, is a crude measure of human and land relationship. To get a better insight into the human-land ratio in terms of pressure of population on total cultivable land, the physiological and the agricultural densities should be found out which are significant for a country like India having a large agricultural population.

Answer the following Questions from the passage: -

- (A) What is the density of population in India according 2011 census report?
(B) Which states lies in low population density?
(C) Which factors affect population density?

Part-3 – Application skills of Subject Tools & Concepts

Q.3. Solve the following questions based on Maps or Diagram or Graphs given below
Diagram:

Family	Sub-Family	Branch/Group	Speech Areas
Austic (Nishada) 1.38%	Austro-Asiatic	Mon-Khmer Munda	Meghalaya, Nicobar Islands West Bengal, Bihar, Orissa, Assam, Madhya Pradesh, Maharashtra Outside India
	Austro-Nesian		
Dravidian (Dravida) 20%		South-Dravidian	Tamil Nadu, Karnataka, Kerala Andhra Pradesh, M.P., Odisha, Maharashtra
		Central Dravidian	Bihar, Odisha, West Bengal, Madhya Pradesh
		North Dravidian	
Sino- Tibetan (Kirata) 0.85%	Tibeto- Myanmari	Tibeto-Himalayan North Assam	Jammu & Kashmir, Himachal Pradesh, Sikkim Arunachal Pradesh Assam, Nagaland, Manipur, Mizoram, Tripura, Meghalaya
	Siamese-Chinese	Assam-Myanmari	
Indo- European (Aryan) 73%	Indo-Aryan	Iranian	Outside India
		Dardic	Jammu & Kashmir
		Indo-Aryan	Jammu & Kashmir, Punjab, Himachal Pradesh, U.P., Rajasthan, Haryans, M.P. Bihar, Orissa, West Bengal, Assam, Gujarat, Maharashtra, Goa.

- (i) How many families are found in Indian languages?

- (ii) Which Indian language family is majority in India?
- (iii) Write down a short note on classification of modern Indian languages?

Q.4. Solve the following Assertion-Reason/Statement based question

(i) **Assertion (A): Countries with higher population densities tend to have higher levels of urbanization.**

Reason (R): Urban areas often concentrate economic activities and offer better job opportunities, attracting people from rural areas.

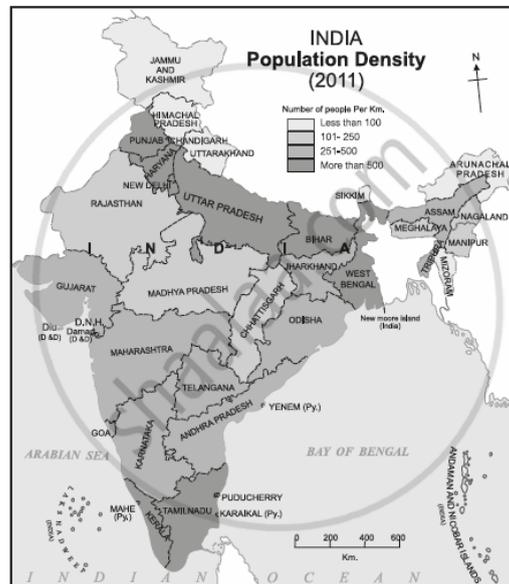
- A. Both A and R are true and R is the correct explanation of A.
- B. Both A and R are true but R is NOT the correct explanation of A.
- C. A is true but R is false.
- D. A is false but R is true.

(ii) **Assertion (A) : Rapid population growth in developing countries can strain resources and hinder economic development.**

Reason (R) : High population growth rates can lead to overpopulation, exacerbating poverty, unemployment, and environmental degradation.

- A. Both A and R are true and R is the correct explanation of A.
- B. Both A and R are true but R is NOT the correct explanation of A.
- C. A is true but R is false.
- D. A is false but R is true.

Q.5. Analyze the given picture & describe it in your own words.



Q.6. Answer the following Short Answer Type Questions

1. What factors influence population distribution across different regions?
2. How is population density calculated, and why is it important?
3. Describe the differences between population growth rates in developed and developing countries.
4. What are some of the consequences of rapid population growth in developing countries?
5. Explain the concept of demographic transition and its stages.

Q.7. Answer the following Long Answer Type Questions

1. How does aging population affect the economy of a country?
2. How does population composition, such as age structure and gender ratio, impact social and economic dynamics?
3. What is the demographic dividend, and how does it impact economic development?
4. Describe the relationship between urbanization and population growth.
5. Discuss the challenges and opportunities associated with managing population growth in the context of sustainable development.

Part-4 – Learning Homework

- **Learning Homework:** Learn Ch- 01 From Text Book/Notebook.



R.E.D. Group of Schools

Chapter-wise Revision Assignment-5

Class: 12th

Subject: Geography

Ch. Name: Human Settlements, Land Resources & Agriculture

Ch. No.: 04, 05

Part-1 – for Vocabulary skills

Q.1. Define the following Key Terms:

- | | |
|---------------------------|--------------------------|
| i. Settlements | vi. Urbanization |
| ii. Clustered Settlements | vii. Metropolitan cities |
| iii. Fragmented | viii. Mega cities |
| iv. Dispersed Settlement | ix. Smart city |
| v. Urban Settlement | x. Urban agglomeration |

Part-2 – Reading skills

Q.2. Read the following Passage from the Chapter & answer the questions.

Types of Rural Settlement – Types of the settlement are determined by the extent of the build-up area and inter-house distance. In India compact or clustered village of a few hundred houses is a rather universal feature, particularly in the northern plains. However, there are several areas, which have other forms of rural settlements. There are various factors and conditions responsible for having different types of rural settlements in India. These include: Physical features – nature of terrain, altitude, climate and availability of water, cultural and ethnic factors – social structure, caste and religion security factors – defense against thefts and robberies. Rural settlements in India can broadly be put into four types. Clustered, agglomerated or nucleated, Semi-clustered or fragmented, Helmeted, and Dispersed or isolated.

Answer the following Questions from the passage: -

- (A) Which factors and conditions responsible for having different type of rural settlements?
(B) How many types found of rural settlements in India?
(C) Define helmeted settlement.

Part-3 – Application skills of Subject Tools & Concepts

Q.3. Solve the following questions based on Maps or Diagram or Graphs given below
Diagram:



- (i) Define semi clustered settlement.
(ii) In which state semi clustered settlement are found wide spread.
(iii) What is the meaning of restricted area?

Q.4. Solve the following Assertion-Reason/Statement based question

- (i) **Assertion (A): Human settlements tend to develop near water bodies such as rivers, lakes, and coastlines.**

Reason (R) : Water bodies provide essential resources for human survival and economic activities, making them attractive locations for settlement.

- A. Both A and R are true and R is the correct explanation of A.
B. Both A and R are true but R is NOT the correct explanation of A.
C. A is true but R is false.

D. A is false but R is true.

(ii) **Assertion(A): Urbanization leads to the expansion of cities and the growth of metropolitan areas.**

Reasons(R): Urban areas offer better employment opportunities, services, and amenities compared to rural areas, attracting people to migrate from rural to urban areas.

A. Both A and R are true and R is the correct explanation of A.

B. Both A and R are true but R is NOT the correct explanation of A.

C. A is true but R is false.

D. A is false but R is true.

Q.5. Analyze the given picture & describe it in your own words.



Q.6. Answer the following Short Answer Type Questions

1. What factors influence the location and distribution of human settlements?
2. Describe the differences between rural and urban settlements.
3. How does urbanization impact the environment?
4. Discuss the concept of sustainable urban planning and its importance in modern cities.
5. What are some common challenges faced by residents of informal settlements?

Q.7. Answer the following Long Answer Type Questions

1. Explain the role of infrastructure in shaping human settlements.
2. How do cultural factors influence the architecture and layout of human settlements?
3. What are the economic functions of cities, and how do they contribute to regional development?
4. Describe the process of gentrification and its effects on urban neighborhoods.
5. Discuss the significance of green spaces in urban areas and their benefits for residents.

Part-4 – Learning Homework

- **Learning Homework:** Learn Ch-4 & Ch-5 From Text Book/Notebook.

Summer Holidays Homework

SESSION: 2024-25

CLASS – 12th

Subject: Economics

Text Book: Macro Economics

1. Syllabus Covered upto MAY END

- Chapter No.- 1 to 4 Basic concept, Circular flow of income (two sector model), Aggregate related to national income
- Chapter No.- 5 & 6 Money and Banking
- Chapter No.- 7,8 & 9 Determination of Income and Employment
- Chapter No.- 10 Government Budget & Economy

2. List of all new concepts taught upto MAY END

- Basic concepts of Macro Economics
- Circular Flow of Income
- Aggregate related to national income
- Money and its functions
- Aggregate demand and its concepts
- Meaning of full employment and involuntary unemployment
- Government budget, meaning, objective and components

3. Summer Holiday Homework:

- **Reading Homework:**
 - **Section – A:** Pre-Reading of Next Two Chapters
- **Written Homework:**
 - **Section – B:** Chapter-wise Revision Assignments
 - **Section – C:** Current Affairs Project
 - **Section – D:** Creative Project/ Working Model
 - **Section – E:** Chart Work

4. Tools required for doing Homework:

- Text Book
- Notebook
- A4 Sheets
- Resources as per activity

5. Instruction/Guidelines for Reading Homework:

- **Section – A: Pre-Reading Homework**
 - Do the Pre-Reading of Second book, Chapter No. 01 and 02.

6. Instruction/Guidelines for Written Homework

- **Section – B:** Do the given Assignments in your subject Notebook.
- **Section – C: Current Affairs Project:**
 - Collecting current news of five National, five International and five Sports of Month June
- **Section – D: Creative Project/ Models**
 - Topic: Roll no 1 to 7 (Government budget and its component)
 - Topic: Roll no 8 to 14 (Digital Indian step towards the future)
- **Section – E: Chart Work**
 - Topic: Roll no 1 to 7 (Make in India)
 - Topic: Roll no 8 to 14 (Environmental crisis)

7. Marking scheme for Economics homework: –

- **Section-A : Pre-Reading HW**
 - Difficult words & their meanings in N.B. **4 marks**
 - **Section-B : Chapter wise Revision Assignments** **4 marks**
 - **Section-C : Enquiry Based Activity** **4 marks**
 - **Section-D : Creative Project/Working Model** **4 marks**
 - **Section-E : Chart** **4 marks**
- Total marks of Business Studies H.W. 20 marks**

8. Important Note:

All students must submit their vacation Homework of All Subjects for Assessment by teacher on 1st July 2024 by all means. Five marks will be deducted for per day of delay after 1st July 2024.



R.E.D. Group of Schools
Chapter-wise Revision Assignment

Class: 12th

Subject: Economics

Ch. No.: 1 to 4

Ch. Name: Basic concept, Circular flow of income

(two sector model), Aggregate related to national income

Part-1 – for Vocabulary skills

Q.1. Define the following Key Terms:

- | | | |
|-------------------------|----------------------|-----------------------|
| (i) consumption goods | (ii) capital goods | (iii) final goods |
| (iv) intermediate goods | (v) stocks and flows | (vi) gross investment |
| (vii) depreciation | | |

Part-2 – Reading skills

Q.2. Read the following Passage from the Chapter & answer the questions.

Passage

The country's real gross domestic product (GDP) is likely to expand by 11 percent in the next financial year due to a faster economic recovery and on a low base, says a report. The report by domestic rating agency Brickwork Ratings said economic activities are slowly reaching PRE-COVID levels following the relaxation of the lockdown, except in sectors that remain affected by social distancing norms.

"With progress in developing an effective vaccine for COVID-19 and signals of faster-than-expected recovery in the domestic economy, and also supported by a low base, we expect the real GDP to grow at 11 percent in F/Y 22, from the estimated contraction of 7 percent to 7.5 percent in F/Y 21," the agency said.

According to the first advance estimates of national income released by the National Statistical Office (NSO), the country's GDP is estimated to contract by a record 7.7 percent during the current financial year.

Answer the following Questions from the passage:-

- (A) Real GDP is when the goods and services are produced by all producing units in the domestic Territory of a country during an accounting year and valued at prices or constant price.
- (B) What will be the growth rate of GDP according to NSO?
- (C) What do you understand by Real GDP?

Part-3 – Application skills of Subject Tools & Concepts

Q.3. Solve the following questions based on Maps or Diagram or Graphs given below

Diagram:

- a) Circular flow of income
- b) Methods of calculating National Income and components of all three methods

Q.4. Solve the following Assertion-Reason/Statement based question

(i) **Assertion (A): The cement purchased by the constructor is considered an intermediate good.**

Reason (R): The cement is used for the construction of the building to be sold to the consumer.

- a) Both Assertion (A) and Reason (R) are true, and Reason (R) is the correct explanation of the Assertion (A).
- b) Both Assertion (A) and Reason (R) are true, but Reason (R) is not the correct explanation of the Assertion (A).
- c) Assertion (A) is true, but Reason (R) is false.
- d) Assertion (A) is false, but Reason (R) is true.

(ii) **Assertion (A): GDP is the correct measure of the improvement of welfare of the people.**
Reason (R): Many activities in an economy are not evaluated in monetary terms, they are not included in GDP due to non-availability of data.

- Both Assertion (A) and Reason (R) are true, and Reason (R) is the correct explanation of the Assertion (A).
- Both Assertion (A) and Reason (R) are true, but Reason (R) is not the correct explanation of the Assertion (A).
- Assertion (A) is true, but Reason (R) is false.
- Assertion (A) is false, but Reason (R) is true.

Q.5. Analyze the given picture & describe it in your own words

Picture :-



Q.6. Answer the following Short Answer Type Questions

- Why should the aggregate final expenditure of an economy be equal to the aggregate factor payments?
- What must be added to domestic factor income to obtain national income?
- What are the aggregates related to national income?
- What is the difference between national and domestic income?
- Write the difference between gross domestic product at market price and national income?

Q.7. Answer the following Long Answer Type Questions

- Explain how 'distribution of Gross Domestic Product' is a limitation in taking Gross Domestic Product as an index of welfare.
- Give the meaning of factor income to abroad and factor income from abroad. Also give an example of each.
- Distinguish between domestic product and national product. When can domestic product be more than the national product?
- Distinguish between Real and Nominal Gross Domestic Product.

Part-4 – Learning Homework

- Learning Homework:** Learn Q. Ans. of Ch- 01 to 04 From Text Book/Notebook.



R.E.D. Group of Schools

Chapter-wise Revision Assignment

Class: 12th
Ch. No.: 5, 6

Subject: Economics
Ch. Name: Money and Banking

Part-1 – for Vocabulary skills

Q.1. Define the following Key Terms:

- | | | |
|---------------------------|------------------------|---------------------|
| (i) Money Function | (ii) Meaning of Money | (iii) Barter system |
| (iv) Money creation | (v) Cash reserve ratio | (vi) Banker's bank |
| (vii) Margin requirements | | |

Part-2 – Reading skills

Q.2. Read the following Passage from the Chapter & answer the questions.

Passage Currency with the people: Currency held by the general public is a component of the money supply, be it in terms of currency notes or coins. Currency is a medium of exchange for goods and services. The currency notes get issued by the government and accepted at their face value as payment.

Demand deposits (DD) with banks: A DD account (DDA) is a checking account from which funds can get withdrawn at any time, without any advance notice. DDAs pay interest on the invested funds. The most common type of DDAs includes checking accounts and savings accounts. **Time Deposits:** These are interest-bearing and certificate of deposit (CD) accounts that feature a pre-set maturity date. The cash must remain within the bank account for the fixed term to earn the stated interest rate. Such bank accounts generally pay a higher rate of interest than a Daily or Current bank account. In short, a CD gives you higher returns than a Current bank account with significantly less risk than an investment. There can be two kinds of interest-bearing bank accounts –

1. **Fixed Deposits (FD)** – A FD account requires a consistent amount for a hard and fast period of your time. FDs are the safest kind of investment.
2. **Recurring Deposits (RD)**- Another variation to time deposit accounts is an RD account. In such bank accounts, the consumer puts in fixed amounts in small parts for an extended period.

Answer the following Questions from the passage:-

1. Which of the following carries highest rate of interest?
2. Which is included in M1 measures?
3. Which is a part of limited legal tender money?

Part-3 – Application skills of Subject Tools & Concepts

Q.3. Solve the following Assertion-Reason/Statement based question

(i) **Assertion (A):** With the introduction of money, acts of sale and purchase have been separated.

Reason (R): Initially money was invented as a store of value.

- a) Both Assertion (A) and Reason (R) are true, and Reason (R) is the correct explanation of the Assertion (A).
- b) Both Assertion (A) and Reason (R) are true, but Reason (R) is not the correct explanation of the Assertion (A).
- c) Assertion (A) is true, but Reason (R) is false.
- d) Assertion (A) is false, but Reason (R) is true.

(ii) **Assertion (A):** A common unit of value exists in the C-C economy.

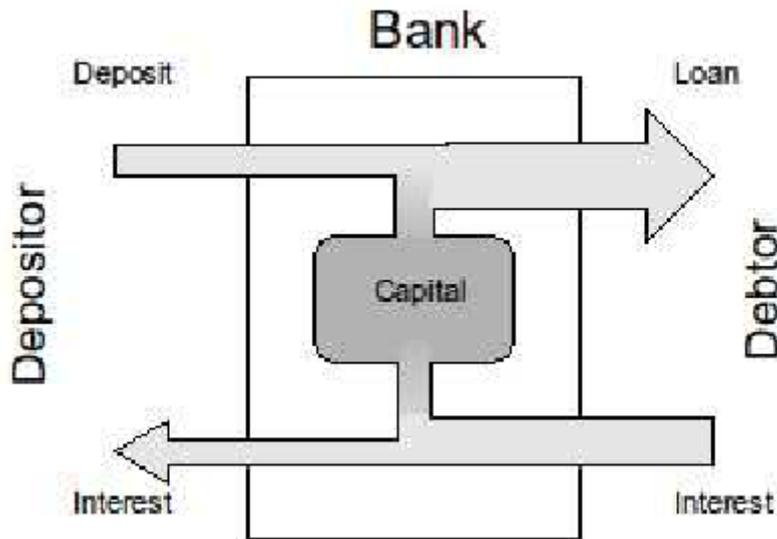
Reason (R): In the C-C economy, saving is possible only by the way of storage of goods.

- a) Both Assertion (A) and Reason (R) are true, and Reason (R) is the correct explanation of the Assertion (A).
- b) Both Assertion (A) and Reason (R) are true, but Reason (R) is not the correct explanation of the Assertion (A).

- c) Assertion (A) is true, but Reason (R) is false.
- d) Assertion (A) is false, but Reason (R) is true.

Q.4. Analyze the given picture & describe it in your own words

Picture :-



Q.5. Answer the following Short Answer Type Questions

- a) Define money supply.
- b) Define term deposited.
- c) Define high powered money.
- d) What is bank money?
- e) Who are the supplier of money supply in India?

Q.6. Answer the following Long Answer Type Questions

- a) Explain the function of central bank.
- b) How does central bank control the money supply?
- c) How is the central bank different from commercial bank?
- d) Commercial bank create money in the economy. Comment.

Part-4 – Learning Homework

Learning Homework: Learn Q. Ans. of Ch- 05 and 06 From Text Book/Notebook.



R.E.D. Group of Schools

Chapter-wise Revision Assignment

Class: 12th
Ch. No.: 7,8,9

Subject: Economics
Ch. Name: Determination of Income and Employment

Part-1 – for Vocabulary skills

Q.1. Define the following Key Terms:

- (i) Aggregate demand (ii) Aggregate supply (iii) short term equilibrium
(iv) Marginal propensity to consume (v) Investment multiplier (vi) Deficient demand
(vii) Full Employments

Part-2 – Reading skills

Q.2. Read the following Passage from the Chapter & answer the questions.

Passage Aggregate demand is a measurement of the total amount of demand for all finished goods and services produced in an economy. Aggregate demand is commonly expressed as the total amount of money exchanged for those goods and services at a specific price level and point in time.

Aggregate Demand Formula

The equation for aggregate demand adds the amount of consumer spending, investment spending, government spending, and the net of exports and imports. The formula is shown as follows:

$$\text{Aggregate Demand} = C + I + G + X - M$$

where: C = Consumer spending on goods and services
I = Private investment and corporate spending on final capital goods (factories, equipment, etc.)
G = Government spending on public goods and social services (infrastructure, Medicare, etc.)
Nx = Net exports (exports minus imports)

Aggregate Demand = C + I + G + Nx
where: C = Consumer spending on goods and services
I = Private investment and corporate spending on final capital goods (factories, equipment, etc.)
G = Government spending on public goods and social services (infrastructure, Medicare, etc.)
Nx = Net exports (exports minus imports)

Aggregate Demand = C + I + G + Nx
where: C = Consumer spending on goods and services
I = Private investment and corporate spending on final capital goods (factories, equipment, etc.)
G = Government spending on public goods and social services (infrastructure, Medicare, etc.)
Nx = Net exports (exports minus imports)

Ques (1) How would you define aggregate demand numerically?

Ques (2) What are the various components of AD?

Ques (3) What are the various factors that affect AD?

Part-3 – Application skills of Subject Tools & Concepts

Q.3. Solve the following questions based on Maps or Diagram or Graphs given below

Diagram:

- a) Deficient demand
b) Overfull employment equilibrium

Q.4. Solve the following Assertion-Reason/Statement based question

(i) **Assertion (A):** Aggregate demand is never zero even when income is zero.

Reason (R): Some expenditure is always essential for survival.

- a) Both Assertion (A) and Reason (R) are true, and Reason (R) is the correct explanation of the Assertion (A).
b) Both Assertion (A) and Reason (R) are true, but Reason (R) is not the correct explanation of the Assertion (A).
c) Assertion (A) is true, but Reason (R) is false.
d) Assertion (A) is false, but Reason (R) is true.

(ii) **Assertion (A):** Slope of S-function is always positive.

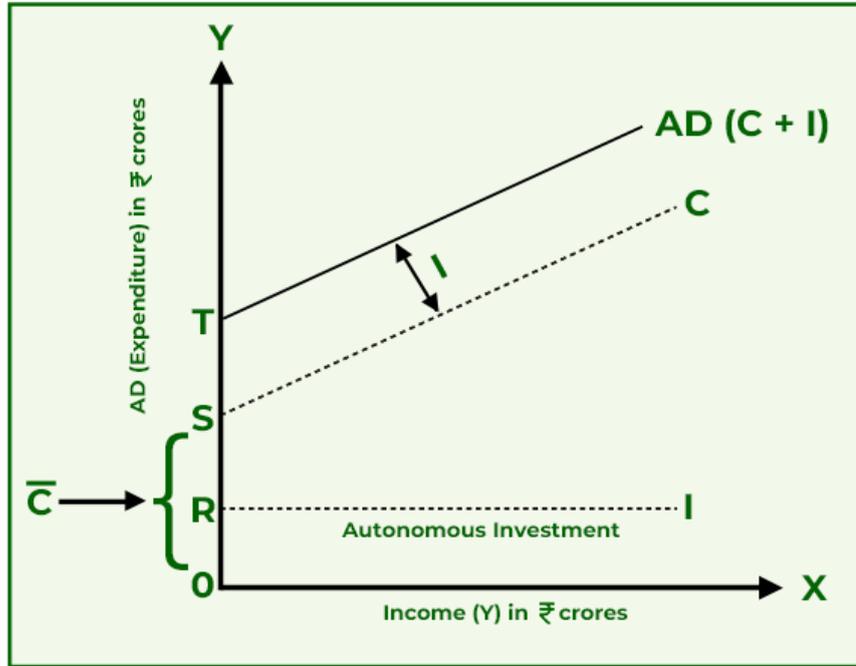
Reason (R): Saving is negative to the extent consumption is positive when income is zero.

- a) Both Assertion (A) and Reason (R) are true, and Reason (R) is the

- correct explanation of the Assertion (A).
- b) Both Assertion (A) and Reason (R) are true, but Reason (R) is not the correct explanation of the Assertion (A).
- c) Assertion (A) is true, but Reason (R) is false.
- d) Assertion (A) is false, but Reason (R) is true.

Q.5. Analyze the given picture & describe it in your own words

Picture :-



Q.6. Answer the following Short Answer Type Questions

- a) Define aggregate demand.
- b) Define aggregate demand Schedule
- c) What is consumption function
- d) What is break event point ?
- e) What is average propensity to save?

Q.7. Answer the following Long Answer Type Questions

- a) Explain the theory of determination of equilibrium level of output and income with the help of aggregate demand and aggregate supply curve.
- b) Explain the determination of equilibrium level of income using saving function approach.
- c) Explain the working of investment multiplier with the help of numerical example.
- d) Explain with the help of numerical example how an increase in investment in an economy effects its level of income.

Part-4 – Learning Homework

Learning Homework: Learn Q. Ans. of Ch- 07 to 09 From Text Book/Notebook.



R.E.D. Group of Schools

Chapter-wise Revision Assignment

Class:12th
Ch. No.: 10

Subject: Economics
Ch. Name: Government budget and the economy

Part-1 – for Vocabulary skills

Q.1. Define the following Key Terms:

- | | | |
|-----------------------------|-----------------------|-----------------|
| (I) capital receipts | (II) revenue receipts | (III) Escheat |
| (IV) Special assessment tax | (V) Balanced Budget | (VI) Direct Tax |
| (VII) Indirect tax | | |

Part-2 – Reading skills

Q.2. Read the following Passage from the Chapter & answer the questions.

Passage

Keynes and other modern economists stress significance of deficit budget, highlighting its merits. Merits and Demerits of Deficit Budget,

Merits: Keynes recommends deficit budget as a key instrument to correct the state of depression. According to him, depression is that phase of economic activity when the level of investment is low owing to the low level of AD. Consequently, planned output is much lower than the full employment level of output. Unemployment becomes a national problem. Deficit budget raises the level of AD in two ways:

(a) Directly by way of high government expenditure, and

(b) Indirectly by inducing greater (investment and consumption expenditure by the people.

Demerits: Deficit budget is not desired during periods of inflation. It is a period when the Ad exceeds AS at full employment. Deficit budget in such situations (when AS cannot increase) would further increase the gulf between AD and AS. Consequently, inflationary gap would rise and wage-price spiral (when wages increase with prices and prices increase with wages) may set in.

Answer the following Questions from the passage:-

- (A) Why government made deficit budget?
- (B) How deficit budget increase demand?
- (C) What are the demerits of deficit budget?

Part-3 – Application skills of Subject Tools & Concepts

Q.3. Solve the following Assertion-Reason/Statement based question

(i) **Assertion (A): G.S.T is indirect tax.**

Reason (R): The burden of indirect tax cannot be shifted to others.

- a) Both Assertion (A) and Reason (R) are true, and Reason (R) is the correct explanation of the Assertion (A).
- b) Both Assertion (A) and Reason (R) are true, but Reason (R) is not the correct explanation of the Assertion (A).
- c) Assertion (A) is true, but Reason (R) is false.
- d) Assertion (A) is false, but Reason (R) is true.

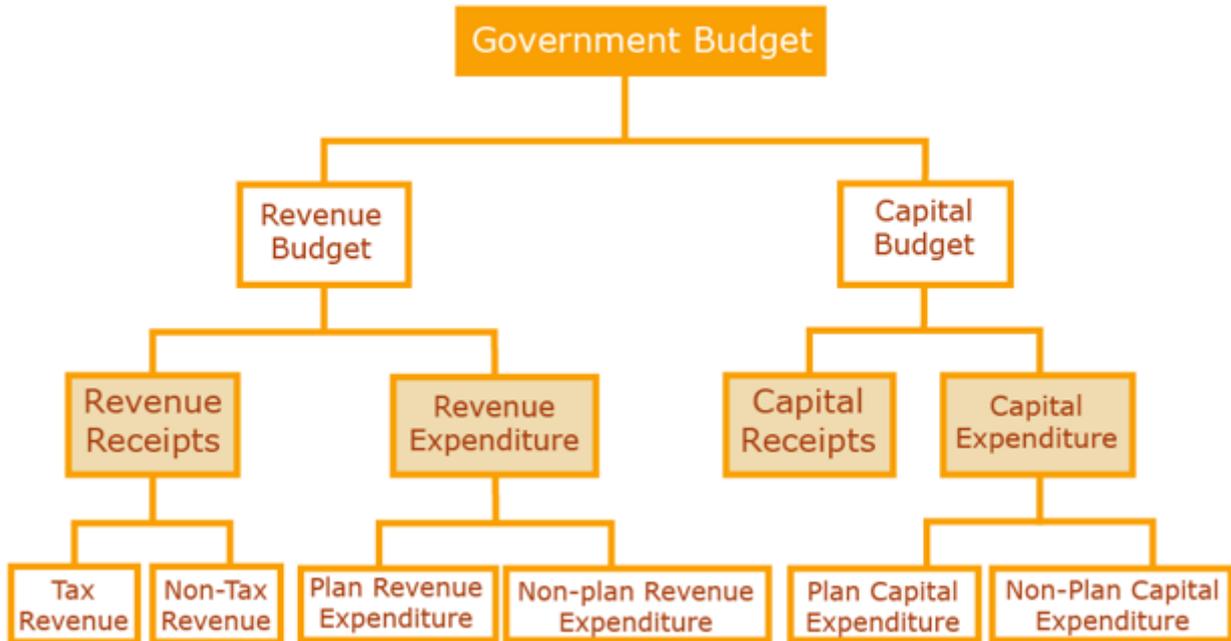
(ii) **Assertion (A): Expenditure on interest payment is a revenue expenditure.**

Reason (R): It neither create assets nor cause a reduction in liability of the government.

- a) Both Assertion (A) and Reason (R) are true, and Reason (R) is the correct explanation of the Assertion (A).
- b) Both Assertion (A) and Reason (R) are true, but Reason (R) is not the correct explanation of the Assertion (A).
- c) Assertion (A) is true, but Reason (R) is false.
- d) Assertion (A) is false, but Reason (R) is true.

Q.4. Analyze the given picture & describe it in your own words

Picture :-



Q.5. Answer the following Short Answer Type Questions

1. What are the two main objectives of government budget?
2. What do you mean revenue deficit?
3. Define fiscal deficit.
4. What are the differences between fiscal deficit and primary deficit?
5. What are the implications of fiscal deficit?

Q.6. Answer the following Long Answer Type Questions

- 1 Explain non tax revenue receipts of the government.
- 2 Write the differences between capital receipts and capital expenditure of govt. budget.
- 3 Write implications of fiscal deficit and primary deficit.
- 4 Write basis of classification for revenue receipts and capital receipts.

Part-4 – Learning Homework

Learning Homework: Learn Q. Ans. of Ch- 10 From Text Book/Notebook.



R.E.D. Group of Schools

Chapter-wise Revision Assignment

Class:12th
Ch. No.: 11

Subject: Economics
Ch. Name: Foreign Exchange Rate

Part-1 – for Vocabulary skills

Q.1. Define the following Key Terms:

- (i) Foreign exchange (II) Foreign Exchange rate (III) Foreign Exchange market
(IV) Depreciation (V) Fixed Exchange rate (VI) Flexible Exchange rate (VII) Managed floating

Part-2 – Reading skills

Q.2. Read the following Passage from the Chapter & answer the questions.

Passage

This is considered as one of the most important reasons for the falling value of the Indian Rupee A trade deficit happens when a country imports more than it exports. As per the latest reports, India's trade deficit has hit \$14.88 billion since November 2014. The major imports include gold, crude oil etc. The introduction of GST and demonetization also accounts for the depreciation of Indian rupee by disrupting the domestic supply chains which is derived from the increasing domestic demands. The US has the widest trade deficit of \$7 trillion than any other country. But they are exporting as much as they Import. But being a country, which imports more than it exports, India loses the value of its currency (Rupee) as it uses a foreign currency for trade.

Answer the following Questions from the passage:-

- (A) What do you mean by depreciation of Indian Rupee?
(B) What is the impact of increase in the demand for foreign currency?
(C) In case of _____ of currency the government play no role.

Part-3 – Application skills of Subject Tools & Concepts

Q.3. Solve the following questions based on Maps or Diagram or Graphs given below
Diagram:

- a) Flexible Exchange rate
b) Effects of increase in supply of foreign currency

Q.4. Solve the following Assertion-Reason/Statement based question

(i) **Assertion (A): Trades surplus occurs when exports are greater than imports.**

Reason (R): Balance of trade is a part of capital account.

- a) Both Assertion (A) and Reason (R) are true, and Reason (R) is the correct explanation of the Assertion (A).
b) Both Assertion (A) and Reason (R) are true, but Reason (R) is not the correct explanation of the Assertion (A).
c) Assertion (A) is true, but Reason (R) is false.
d) Assertion (A) is false, but Reason (R) is true.

(ii) **Assertion (A): In case of currency depreciation, more rupee are paid to buy one dollar.**

Reason (R): Domestic currency loses its value in relation to US dollar under depreciation.

- e) Both Assertion (A) and Reason (R) are true, and Reason (R) is the correct explanation of the Assertion (A).
f) Both Assertion (A) and Reason (R) are true, but Reason (R) is not the correct explanation of the Assertion (A).
g) Assertion (A) is true, but Reason (R) is false.
h) Assertion (A) is false, but Reason (R) is true.

Q.5. Analyze the given picture & describe it in your own words

Picture :-

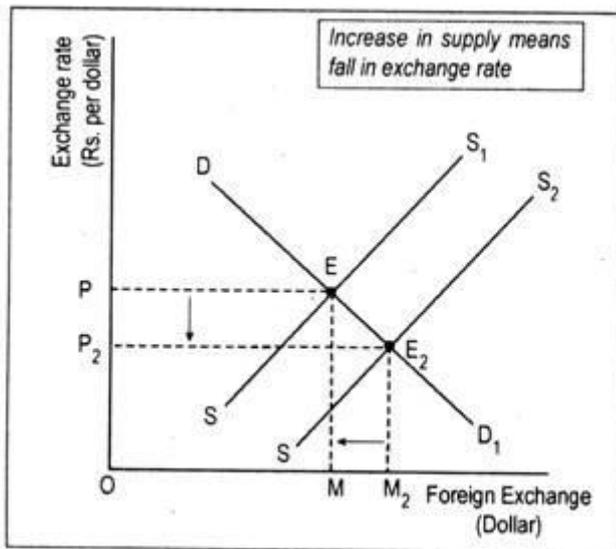


Fig. 5.6 : Equilibrium Exchange Rate

Q.6. Answer the following Short Answer Type Questions

1. Define fixed exchange rate and flexible exchange rate systems, highlighting the key differences between them.
2. What factors determine exchange rates in a free market system? Explain with examples.
3. Discuss the merits and demerits of a flexible exchange rate regime compared to a fixed exchange rate regime.
4. How does a fixed exchange rate system affect a country's monetary policy? Provide examples to illustrate your answer.
5. Explain the concept of managed floating exchange rate system. How does it differ from both fixed and flexible exchange rate systems?

Q.7. Answer the following Long Answer Type Questions

1. What is a fixed exchange rate system, and how does it differ from a flexible exchange rate system?
2. How is the exchange rate determined in a free market economy?
3. What are the advantages of a flexible exchange rate regime?
4. What are the disadvantages of a fixed exchange rate regime?

Part-4 – Learning Homework

Learning Homework: Learn Q. Ans. of Ch- 11 From Text Book/Notebook.

Summer Holidays Homework

SESSION: 2024-25

CLASS – 12th

Subject: Mathematics

Text Book: Elements

1. Syllabus Covered upto MAY END

- Chapter No.- 1 : Relation and Function
- Chapter No.- 2 : I.T.F
- Chapter No.- 3 : Matrices
- Chapter No.- 4 : Determinants
- Chapter No.- 5 : Differentiation

2. List of all new concepts taught upto MAY END

- Number of reflexive relation, Symmetric relation
- Number of one-one function, onto function
- Properties of I.T.F
- Formula to find area of triangle using determinants
- Derivative of a function with respect to another function

3. Summer Holiday Homework:

- Reading Homework:
 - **Section - A:** Pre-Reading Homework
- Written Homework:
 - **Section-B:** Chapter-wise Revision Assignment
 - **Section-C:** Lab Practical's
 - **Section-D:** Indian Mathematicians and their contributions
 - **Section-E:** Creative Project/ Model

4. Tools required for doing Homework:

- Text Book
- Notebook
- A₄Sheets

5. Instruction/Guidelines for Reading Homework:

- Section – A: Pre-Reading Homework
 - Do the Pre-Reading of Chapter No.06 and 07.
 - Write all the difficult words & their meanings of above chapters in Maths N.B.

6. Instruction/Guidelines for Written Homework

- **Section-B:** Do the given Assignments on A4 Sheets.
- **Section-C:** Lab Practicals
 - Make the following lab activities in lab manual
 1. A relation R is symmetric but Neither Reflexive Not Transitive.
 2. A Function which is One-One but not Onto
 3. Continuity at a Point
- **Section-D- Indian Mathematicians and their contribution (Any 2 Mathematicians).**

Inquire for the Indian mathematicians and prepare a project on A4 size sheets and a collage by using their pictures.

 - Mathematicians for Research:
 - **Mathematician 1**
 - **Mathematician 2**
 - Point to be enquired:
 - Birth
 - Education
 - Branch in which they worked
 - Achievements

○ **Section – E: Creative Project/ Models**

Topic	Roll .No
1. Equivalence Relation	1 to 8
2. Formulas of I.T.F	9 to 16
3. Matrices (types, notation and properties)	17 to 24
4. Continuity and differentiability	25 to 32
5. Number of solution of system of linear equations by real life examples	33 o 40

7. Marking scheme for Maths homework: –

- **Section-A : Pre-Reading HW**
 - Difficult words & their meanings in N.B. **4 marks**
- **Section-B : Chapter wise Revision Assignments** **4 marks**
- **Section-C : Lab Practical** **4 marks**
- **Section-D : Mathematician for Research** **4 marks**
- **Section-E : Project/Model** **4 marks**

Total marks of Maths H.W. 20 marks

8. Important Note:

- **All students must submit their vacation Homework of All Subjects for Assessment by teacher on 1st July 2024 by all means. Five marks will be deducted for per day of delay after 1st July 2024.**



R.E.D. Group of Schools

Chapter-wise Revision Assignment

Class: 12th

Subject: Mathematics

Ch. No.: 01

Ch. Name: Relation and function

For recapitulation & solving the assignment the students should refer to their Maths Textbook.

Part-1 – Vocabulary skills

Q.1. Define the following key terms:

- | | | |
|------------------------------|----------------------|---------------------------|
| (i) Identity relation | (ii) Void relation | (iii) Transitive relation |
| (iv) Ant symmetric relation | (v) Congruence's | (vi) Reflexive |
| (vii) Transitive | (viii) Perpendicular | (ix) Equivalence relation |
| (x) Partial Ordered Relation | | |

Q.2. Write the Formula/Sign/Symbol of the following terms:

- a) Partition of a set b) Congruence Modulo n

Part-2 – Reading skills

Q.3. Read the following Passage from the Chapter & answer the questions.

Passage : A relation R in a set A is called Reflexive: if $(a, a) \in R$, for every $a \in A$ Symmetric:

If $(a_1, a_2) \in R$, implies that $(a_2, a_1) \in R$, for all $a_1, a_2 \in R$ Transitive: if $(a_1, a_2) \in R, a_2, a_3 \in R$ implies that $a_1, a_3 \in R$ for all $a_1, a_2, a_3 \in A$.

Based on the above information, answer the following questions

- Relations R in the set $A = \{1, 2, 3, \dots, 13, 14\}$ defined as $R = \{(x, y) : 3x - y = 0\}$
 - Reflexive but not symmetric nor transitive
 - Neither Reflexive nor symmetric nor transitive
 - Reflexive and symmetric but not transitive
 - Equivalence relation
- Relation R in the set Z of all integers defined as $R = \{(x, y) : x - y \text{ is an integer}\}$
 - Equivalence Relation
 - Reflexive but neither symmetric nor transitive
 - Reflexive and transitive but not symmetric
 - Symmetric but not transitive and reflexive
- Relation R in the set A of human beings in a town $R = \{(x, y) : x \text{ is the father of } y\}$
 - Transitive but not reflexive nor symmetric
 - Reflexive but not symmetric nor transitive
 - Neither reflexive nor symmetric nor transitive
 - Equivalence Relation

Part-3 – Application skills of Subject Tools & Concepts

Q.4. Solve these 3 mental math questions: -

- Write the smallest equivalence relation R on set $A = \{1, 2, 3\}$.
- The relation of congruency is an equivalence relation on the set Z of all integers.
- Prove that the function $f: \mathbb{N} \rightarrow \mathbb{N}$ given by $f(x) = x^2 + x + 1$ is one-one but not onto.

Q.5. Do the following questions on the basis of reasoning skills:

- Let $A = \{3, 5\}$. Then number of reflexive relations on A is
 - 2
 - 4
 - 0
 - 8
- If $A = \{1, 3, 5\}$, then the number of equivalence relations on A containing (1,3) is
 - 1
 - 2
 - 3
 - 4

Q.6. Solve the following Assertion-Reason/Statement based question

- Assertion:** The relation R in the set $A = \{1, 2, 3, 4, 5, 6\}$ defined as $R = \{(x, y) : y \text{ is divisible by } x\}$ is an equivalence relation.
Reason: A relation R on the set A is equivalence relation if it is reflexive, symmetric and transitive.
 - Both Assertion (A) and Reason (R) are true and Reason ® is the correct explanation of Assertion (A).

- b) Both Assertion (A) and Reason (R) are true but Reason (R) is not the correct explanation of Assertion (A)
- c) Assertion (A) is true but Reason (R) is false.
- d) Assertion (A) is false but Reason (R) is true.

(ii) **Assertion:** For two sets $A = \mathbb{R} - \{3\}$ and $B = \mathbb{R} - \{1\}$, the function $f : A \rightarrow B$ defined as $f(x) = \frac{x-2}{x-3}$

is bijective.

Reason: A function $f : A \rightarrow B$ is said to be onto if for all $y \in B$, there exists $x \in A$ such that $f(x) = y$.

- a) Both Assertion (A) and Reason (R) are true and Reason (R) is the correct explanation of Assertion (A).
- b) Both Assertion (A) and Reason (R) are true but Reason (R) is not the correct explanation of Assertion (A)
- c) Assertion (A) is true but Reason (R) is false.
- d) Assertion (A) is false but Reason (R) is true.

Q.7. Solve the following Puzzle/

Puzzle

a) Give an example to show that the union of two equivalence relations on a set A need not be an equivalence relation on A.

b) Show that the number of equivalence relations on the set $\{1,2,3\}$ containing $(1,2)$ and $(2,1)$ is two.

Q.8. Solve the following Real Life descriptive 3 word problems: -

- a) State the reason for the relation R in the set $\{1, 2, 3\}$ given by $R = \{(1, 2), (2, 1)\}$ not to be transitive.
- b) Let $f : \mathbb{R} - \{-4/3\} \rightarrow \mathbb{R}$ be a function given by $f(x) = 4x/(3x+4)$. Show that f is invertible with $f^{-1}(x) = 4x/(4-3x)$
- c) $F(x) = x + 7$ and $g(x) = x - 7$, $x \in \mathbb{R}$, find $(f \circ g)(7)$.

Q.9. Answer the following Short Answer Type Questions

1. The number of bijective functions from set A to itself when A contains 106 elements is
2. The maximum number of equivalence relations on the set $A = \{1, 2, 3\}$ are
3. Let $E = \{1, 2, 3, 4\}$ and $F = \{1, 2\}$ Then, the number of onto functions from E to F is
4. If the set A contains 5 elements and the set B contains 6 elements, then the number of one-one and onto mappings from A to B is
5. Let R be a relation in N (natural numbers) given by $a R b$ if $2a + 3b = 30$. Find R.

Q.10. Answer the following Long Answer Type Questions

1. Let N be the set of natural numbers and relation R on N be defined by

$R = \{(x, y) : x, y \in N, x + y + 10\}$. Determine whether the above relation is reflexive, symmetric and transitive.

2. Find the number of all onto functions from the set $\{1,2,3, \dots, n\}$ to itself.
3. Show that the function $f : \mathbb{R} \rightarrow \mathbb{R}$ given by $f(x) = x^3$ is injective.
4. Find the number of all one-one functions from set $A = \{1,2,3\}$ to itself.
5. Let R be a relation on the set A of ordered pairs of positive integers defined by $(x,y) R (u,v)$ if and only if $xv = yu$. Show that R is an equivalence relation.

Part-4 – Homework

- **Learning Homework:** Do practice of complete chapter & learn definitions and formulas.



R.E.D. Group of Schools

Chapter-wise Revision Assignment

Class: 12th
Ch. No.: 02
Functions

Subject: Mathematics
Ch. Name: Inverse Trigonometric

For recapitulation & solving the assignment the students should refer to their Maths Textbook.

Part-1 – Vocabulary skills

Q.1. Define the following key terms:

- | | | |
|-----------------------------|-----------------------------|------------------|
| (i) Trigonometric Functions | (ii) Respectively | (iii) Properties |
| (iv) Quadrant | (v) Trigonometric equations | (vi) Evaluate |
| (vii) Equations | (viii) Radians | (ix) Tangent |
| (x) Cosec | | |

Q.2. Write the Formula/Sign/Symbol of the following terms:

- | | |
|---------------------------|------------------------------------|
| a) Principal value branch | b) Inverse Trigonometric Functions |
|---------------------------|------------------------------------|

Part-2 – Reading skills

Q.3. Read the following Passage from the Chapter & answer the questions.

Passage : The government of India is planning to fix a hoarding board at the face of a building on the road of a busy market for awareness of COVID – 19 protocol. Three engineers are working on this project. “A” is considered to be a person viewing the hoarding board 20 metres away from the building, standing at the edge of a pathway nearby. The three engineers suggested to the firm to place the hoarding board at three different locations namely C,D and E. “C” is at the height of 10 metres from the ground level. For the viewer A, the angle of elevation of “D” is double the angle of elevation of “C” The angle of elevation of “E” is triple the angle of elevation of “C” for the same viewer.

Based on the above information, answer the following questions

- Find the measure of $\angle CAB$.
- Find the measure of $\angle DAB$.
- A' is another viewer standing on the same line of observation across the road, If the width of the road is 5 meters, then find the difference between $\angle CAB$ and $\angle CA'B$.

Part-3 – Application skills of Subject Tools & Concepts

Q.4. Solve these 3 mental math questions: -

a) Solve the following equations: a) $\tan^{-1} 2x + \tan^{-1} 3x = \frac{\pi}{4}$

b) $\tan^{-1}(x-1) + \tan^{-1} x + \tan^{-1}(x+1) = \tan^{-1} 3x$

c) $\tan^{-1}(x+1) + \tan^{-1}(x-1) = \tan^{-1}\left(\frac{8}{31}\right)$

Q.5. Do the following questions on the basis of reasoning skills:

ii) Value of $\cos(\sin^{-1} x)$?

b) $\sqrt{1-x^2}$

b) $\sqrt{x^2-1}$

c) $\sqrt{1+x^2}$

d) $1-x^2$

ii) Which of the following is principal value of $\operatorname{cosec}^{-1}x$?

a) $\left(-\frac{\pi}{2}, \frac{\pi}{2}\right)$

b) $[0, \pi] - \left\{\frac{\pi}{2}\right\}$

c) $\left[-\frac{\pi}{2}, \frac{\pi}{2}\right]$

d) $\left[-\frac{\pi}{2}, \frac{\pi}{2}\right] - \{0\}$

Q.6. Solve the following Assertion-Reason/Statement based question

(i) **Assertion:** Maximum value of $(\cos^{-1} x)^2$ is π^2 .

Reason: Range of Principal value branch $\cos^{-1} x$ is $\left[-\frac{\pi}{2}, \frac{\pi}{2}\right]$.

- Both Assertion (A) and Reason (R) are true and Reason (R) is the correct explanation of Assertion (A).
- Both Assertion (A) and Reason (R) are true but Reason (R) is not the correct explanation of Assertion (A).

c) Assertion (A) is true but Reason (R) is false.

d) Assertion (A) is false but Reason (R) is true.

(ii) **Assertion:** $\cos^{-1}\left(-\frac{\sqrt{3}}{2}\right) = -\frac{\pi}{3}$.

Reason: Principal value branch of $\cos^{-1}x$ is $[0, \pi]$.

a) Both Assertion (A) and Reason (R) are true and Reason (R) is the correct explanation of Assertion (A).

b) Both Assertion (A) and Reason (R) are true but Reason (R) is not the correct explanation of Assertion (A)

c) Assertion (A) is true but Reason (R) is false.

d) Assertion (A) is false but Reason (R) is true.

Q.7. Solve the following Puzzle/.

Puzzle a) Prove that: $\cos^{-1}\frac{4}{5} + \tan^{-1}\frac{3}{5} = \tan^{-1}\frac{27}{11}$

b) Prove that: $\sin^{-1}\frac{4}{5} + \tan^{-1}\frac{5}{12} + \cos^{-1}\frac{63}{65} = \frac{\pi}{2}$

Q.8. Solve the following Real Life descriptive 3 word problems: -

a) Solve the following equations: $\sin^{-1}x + \sin^{-1}2x = \frac{\pi}{3}$.

b) Solve the following equations: $\tan^{-1}4x + \tan^{-1}6x = \frac{\pi}{4}$

c) If $\tan^{-1}x + \tan^{-1}y + \tan^{-1}z = \frac{\pi}{2}$; Prove that $xy + yz + zx = 1$

Q.9. Answer the following Short Answer Type Questions

a) Write the $\tan^{-1}\left(\frac{\sqrt{1+x^2}-1}{x}\right)$ in the simplest form.

b) Prove that : $\tan^{-1}\sqrt{x} = \frac{1}{2}\cos^{-1}\left(\frac{1-x}{1+x}\right), x \in (0,1)$.

c) Evaluate $\cos^{-1}\left(\frac{-1}{2}\right)$

d) Find the number of solutions of the equation $\tan^{-1}2x + \tan^{-1}3x = \frac{\pi}{4}$

e) If $\sin^{-1}x - \cos^{-1}x = \frac{\pi}{6}$ then find x.

Q.10. Answer the following Long Answer Type Questions

a) Prove that $3\sin^{-1}x = \sin^{-1}(4x^3 - 3x)$.

b) If $\tan^{-1}\left\{\frac{\sqrt{1+x^2}-\sqrt{1-x^2}}{\sqrt{1+x^2}+\sqrt{1-x^2}}\right\} = \alpha$, then $x^2 = \cos 2\alpha$

c) If $\cos^{-1}\frac{x}{a} + \cos^{-1}\frac{y}{b} = \alpha$, then find $\frac{x^2}{a^2} - \frac{2xy}{ab}\cos\alpha + \frac{y^2}{b^2}$

d) Find the value of $\sin\left\{\frac{1}{2}\cos^{-1}\frac{4}{5}\right\}$

e) Evaluate $\sin\left[\cot^{-1}\left\{\tan\left(\cos^{-1}x\right)\right\}\right]$

Part-4 – Homework

- **Learning Homework:** Do practice of complete chapter & learn definitions and formulas.



R.E.D. Group of Schools

Chapter-wise Revision Assignment

Class: 12th
Ch. No.: 03

Subject: Mathematics
Ch. Name: Matrix & Matrix Continued

For recapitulation & solving the assignment the students should refer to their Maths Textbook.

Part-1 – Vocabulary skills

Q.1. Define the following key terms:

- | | | |
|----------------|------------------|---------------------|
| (i) Adjoin | (ii) Minor | (iii) Co - factor |
| (iv) Inverse | (v) Singular | (vi) Non - singular |
| (vii) Identity | (viii) Symmetric | (ix) Skew Symmetric |
| (x) Orthogonal | | |

Q.2. Write the Formula/Sign/Symbol of the following terms:

- a) Adjoint of a matrix b) Multiplication of two matrices

Part-2 – Reading skills

Q.3. Read the following Passage from the Chapter & answer the questions.

Passage : A company produces three products every day. Their production on certain day is 45 tons. It is found that the production of third product exceeds the production of first product by 8 tons while the total production of first and third product is twice the production of second product. Using the concepts of matrices and determinants, answer the following questions:

Based on the above information, answer the following questions

- If x , y and z respectively denote the quantity (in tons) of first, second and third product produced, then which of the following is true?
(a) $x + y + z = 45$ (b) $x + 8 = z$ (c) $x - 2y + z = 0$ (d) All of these
- Which of the following is not true?
(a) $|A| = |A'|$ (b) $(A')^{-1} = (A^{-1})'$
(c) A is skew-symmetric matrix of order 3 then $|A| = 0$ (d) $|AB| = |A| + |B|$

Part-3 – Application skills of Subject Tools & Concepts

Q.4. Solve these 3 mental math questions: -

- Two matrices X and Y are of order $2 \times n$ and $2 \times p$ respectively. If $n = p$, then find the order of the matrix $7X - 5Y$.
- If a matrix has 18 elements, what are the possible orders it can have? What if it has 5 elements?
- Find the values of x and y for which the matrices A and B are equal, where

$$A = \begin{bmatrix} 2x+1 & 3y \\ 0 & y^2-5y \end{bmatrix}, B = \begin{bmatrix} x+3 & y^2+2 \\ 0 & -6 \end{bmatrix}.$$

Q.5. Do the following questions on the basis of reasoning skills:

- Sum of two skew symmetric matrices is always
(a) symmetric (b) skew symmetric (c) diagonal (d) none of these
- Suppose P and Q are two different matrices of order $3 \times n$ and $n \times p$, then the order of matrix PQ is
(a) $3 \times p$ (b) $p \times 3$ (c) $n \times n$ (d) 3×3

Q.6. Solve the following Assertion-Reason/Statement based question

$$A = \begin{bmatrix} 1 & 3 & \lambda+2 \\ 2 & 4 & 8 \\ 3 & 5 & 10 \end{bmatrix}$$

- (i) **Assertion:** If the matrix is singular, then $\lambda = 4$.
Reason: If A is a singular matrix, then $|A| = 0$.

- a) Both Assertion (A) and Reason (R) are true and Reason (R) is the correct explanation of Assertion (A).
- b) Both Assertion (A) and Reason (R) are true but Reason (R) is not the correct explanation of Assertion (A)
- c) Assertion (A) is true but Reason (R) is false.
- d) Assertion (A) is false but Reason (R) is true.

(ii) **Assertion:** $\text{adj}(\text{adj } A) = A$

Reason : $|\text{adj } A| = |A|$

- a) Both Assertion (A) and Reason (R) are true and Reason (R) is the correct explanation of Assertion (A).
- b) Both Assertion (A) and Reason (R) are true but Reason (R) is not the correct explanation of Assertion (A)
- c) Assertion (A) is true but Reason (R) is false.
- d) Assertion (A) is false but Reason (R) is true.

**Q.7. Solve the following Puzzle/
Puzzle**

- a) Construct a 2×2 matrix $A = [a_{ij}]$ whose elements are given by $a_{ij} = \frac{(i+2j)^2}{2}$.
- c) If $\begin{bmatrix} xy & 4 \\ z+6 & x+y \end{bmatrix} = \begin{bmatrix} 8 & w \\ 0 & 6 \end{bmatrix}$, find the values of x, y, z and w.

Q.8. Solve the following Real Life descriptive 3 word problems: -

- a) Find the number of possible matrices of order 3×3 with each entry 2 or 0.
- b) If $\begin{bmatrix} 2x+y & 4x \\ 5x-7 & 4x \end{bmatrix} = \begin{bmatrix} 7 & 7y-13 \\ y & x+6 \end{bmatrix}$, then the value of x & y.
- c) If $A = \begin{bmatrix} 3 & -3 \\ -3 & 3 \end{bmatrix}$ and $A^2 = \lambda A$, then find the value of λ .

Q.9. Answer the following Short Answer Type Questions

- a) If matrix $A = [a_{ij}]_{2 \times 2}$, where $a_{ij} = \begin{cases} 1, & \text{if } i \neq j \\ 0, & \text{if } i = j \end{cases}$, then find A^2 .
- b) If $A = \begin{bmatrix} 0 & 3 \\ 2 & -5 \end{bmatrix}$ and $kA = \begin{bmatrix} 0 & 4a \\ -8 & 5b \end{bmatrix}$, then find the value of k, a and b.
- c) If A and B are square matrices of the same order, then find $(A + B)(A - B)$.
- d) If the matrix $\begin{bmatrix} 3 & 2x & -5 \\ -4 & 0 & y \\ -5 & 3 & 7 \end{bmatrix}$ is symmetric, then

e) If $A^T = \begin{bmatrix} 3 & 4 \\ -1 & 2 \\ 0 & 1 \end{bmatrix}$ and $B = \begin{bmatrix} -1 & 2 & 1 \\ 1 & 2 & 3 \end{bmatrix}$, then find $A^T - B^T$.

Q.10. Answer the following Long Answer Type Questions

a) If $A = \begin{bmatrix} \frac{1}{3} & 2 \\ 0 & 2x-3 \end{bmatrix}$ and $B = \begin{bmatrix} 3 & 6 \\ 0 & -1 \end{bmatrix}$ and $AB = I_2$, then find the value of x .

b) If $A = \begin{bmatrix} 1 & 2 \\ 2 & 3 \end{bmatrix}$ and $A^2 - xA = I_2$, then find the value of x .

c) If a, b, c are in A.P., then the determinant $\begin{vmatrix} x+2 & x+3 & x+2a \\ x+3 & x+4 & x+2b \\ x+4 & x+5 & x+2c \end{vmatrix}$

d) If $A = \begin{bmatrix} 0 & a & 1 \\ -1 & b & 1 \\ -1 & c & 0 \end{bmatrix}$ is a skew-symmetric matrix, then the value of $(a + b + c)^2$ is

e) If the matrix $\begin{bmatrix} 0 & -1 & 3x \\ 1 & y & -5 \\ -6 & 5 & 0 \end{bmatrix}$ is skew-symmetric, then find x and y .

Part-4 – Homework

- **Learning Homework:** Do practice of complete chapter & learn definitions and formulas.



R.E.D. Group of Schools

Chapter-wise Revision Assignment

Class: 12th
Ch. No.: 04

Subject: Mathematics
Ch. Name: Determinants

For recapitulation & solving the assignment the students should refer to their Maths Textbook.

Part-1 – Vocabulary skills

Q.1. Define the following key terms:

- | | | |
|------------------|------------------|------------------------|
| (i) Determinants | (ii) Collinear | (iii) Area of Triangle |
| (iv) Expansion | (v) Minor | (vi) Non - singular |
| (vii) Identity | (viii) Symmetric | (ix) Skew Symmetric |
| (x) Orthogonal | | |

Q.2. Write the Formula/Sign/Symbol of the following terms:

- a) Collinearity of three points b) Area of Triangle

Part-2 – Reading skills

Q.3. Read the following Passage from the Chapter & answer the questions.

Passage : Three shopkeepers Ram Lal, Shyam Lal, and Ghansham are using polythene bags, handmade bags (prepared by prisoners), and newspaper envelopes as carrying bags. It is found that the shopkeepers Ram Lal, Shyam Lal, and Ghansham are using (20,30,40), (30,40,20), and (40,20,30) polythene bags, handmade bags, and newspapers envelopes respectively. The shopkeeper's Ram Lal, Shyam Lal, and Ghansham spent ₹250, ₹270, and ₹200 on these carry bags respectively.

Based on the above information, answer the following questions

- What is the cost of one polythene bag?
- What is the cost of one handmade bag?
- What is the cost of one newspaper envelop?

Part-3 – Application skills of Subject Tools & Concepts

Q.4. Solve these 3 mental math questions: -

- a) Find the trace of the matrix $A = \begin{bmatrix} 1 & -5 & 7 \\ 0 & 7 & 9 \\ 11 & 8 & 9 \end{bmatrix}$ is

- b) If a, b, c are in A.P., then find the determinant $\begin{vmatrix} x+2 & x+3 & x+2a \\ x+3 & x+4 & x+2b \\ x+4 & x+5 & x+2c \end{vmatrix}$

- c) If A is the skew symmetric matrix of order 3, then find the value of $|A|$.

Q.5. Do the following questions on the basis of reasoning skills:

- Sum of two skew symmetric matrices is always
(a) symmetric (b) skew symmetric
(c) diagonal (d) none of these
- Suppose P and Q are two different matrices of order $3 \times n$ and $n \times p$, then the order of matrix PQ is
(a) $3 \times p$ (b) $p \times 3$ (c) $n \times n$ (d) 3×3

Q.6. Solve the following Assertion-Reason/Statement based question

$$A = \begin{bmatrix} 1 & 3 & \lambda + 2 \\ 2 & 4 & 8 \\ 3 & 5 & 10 \end{bmatrix}$$

- (i) **Assertion:** If the matrix is singular, then $\lambda = 4$.
Reason: If A is a singular matrix, then $|A| = 0$.

- a) Both Assertion (A) and Reason (R) are true and Reason (R) is the correct explanation of Assertion (A).
- b) Both Assertion (A) and Reason (R) are true but Reason (R) is not the correct explanation of Assertion (A)
- c) Assertion (A) is true but Reason (R) is false.
- d) Assertion (A) is false but Reason (R) is true.

- (ii) **Assertion:** $\text{adj}(\text{adj} A) = A$
Reason : $|\text{adj} A| = |A|$

- a) Both Assertion (A) and Reason (R) are true and Reason (R) is the correct explanation of Assertion (A).
- b) Both Assertion (A) and Reason (R) are true but Reason (R) is not the correct explanation of Assertion (A)
- c) Assertion (A) is true but Reason (R) is false.
- d) Assertion (A) is false but Reason (R) is true.

Q.7. Solve the following Puzzle/

Puzzle

- a) If a triangle co-ordinates of its vertices are $A(x_1, y_1)$, $B(x_2, y_2)$ and $C(x_3, y_3)$, then write the area of triangle formulae.
- b) Find the value of k such that the points (5,5), (k,4) and (10,7) lies on a straight line.

Q.8. Solve the following Real Life descriptive 3 word problems: -

- a) If A is a square matrix of order 3 and $|3A| = k |A|$, then write the value of k.
- b) If the area of the triangle with vertices $(-3,0)$, $(3,0)$ and $(0,5)$ is 9 sq. units, then the value(s) of k will be.
- c) If three points $P(2x, x + 3)$, $Q(0,x)$ and $R(x + 3, x + 6)$ are collinear, then x is equal to

Q.9. Answer the following Short Answer Type Questions

- a) Find the area of the triangle with vertices $(a,0)$, $(0,b)$ and (x,y) . Hence find the condition that the points are collinear.
- b) Find the value of k if the area of the triangle is 35 sq. cm. with the vertices $(k,4)$, $(2, -6)$ and $(5,4)$.
- c) If A and B are square matrices of the same order, then find $(A + B)(A - B)$.
- d) Show that the points $(b,c + a)$, $(c, a + b)$ and $(a,b + c)$ are collinear.
- e) Find the value of k in order that the points $(5,5)$, $(k,1)$ and $(10,7)$ lie on a straight line.

Q.10. Answer the following Long Answer Type Questions

a) If $A = \begin{bmatrix} \frac{1}{3} & 2 \\ 0 & 2x-3 \end{bmatrix}$ and $B = \begin{bmatrix} 3 & 6 \\ 0 & -1 \end{bmatrix}$ and $AB = I_2$, then find the value of x .

b) If $A = \begin{bmatrix} 1 & 2 \\ 2 & 3 \end{bmatrix}$ and $A^2 - xA = I_2$, then find the value of x .

c) If a, b, c are in A.P., then the determinant $\begin{vmatrix} x+2 & x+3 & x+2a \\ x+3 & x+4 & x+2b \\ x+4 & x+5 & x+2c \end{vmatrix}$

d) Given that $x = -9$ is a root of, $\begin{vmatrix} x & 3 & 7 \\ 2 & x & 2 \\ 7 & 6 & x \end{vmatrix} = 0$; find the other roots.

e) Show that a skew-symmetric matrix of odd order is singular.

Part-4 – Homework

- **Learning Homework:** Do practice of complete chapter & learn definitions and formulas.

- a) Both Assertion (A) and Reason (R) are true and Reason (R) is the correct explanation of Assertion (A).
- b) Both Assertion (A) and Reason (R) are true but Reason (R) is not the correct explanation of Assertion (A)
- c) Assertion (A) is true but Reason (R) is false.
- d) Assertion (A) is false but Reason (R) is true.

(ii) **Assertion: The greatest integer function $f(x) = [x]$ may be continuous.**
Reason : $f(x)$ is continuous at all real values of x except all integral points.

- a) Both Assertion (A) and Reason (R) are true and Reason (R) is the correct explanation of Assertion (A).
- b) Both Assertion (A) and Reason (R) are true but Reason (R) is not the correct explanation of Assertion (A)
- c) Assertion (A) is true but Reason (R) is false.
- d) Assertion (A) is false but Reason (R) is true.

Q.7. Solve the following Puzzle/ Puzzle

- a) If $y = \log_x (\log x)$, then find $f'(x)$ at $x = e$.
- b) If $\sin^{-1} \left(\frac{x^2 - y^2}{x^2 + y^2} \right) = \log a$, then find $\frac{dy}{dx}$

Q.8. Solve the following Real Life descriptive 3 word problems: -

- a) If $y = \sqrt{2x^2 - 3x + 5}$, then find the derivative of y w.r.t. x .
- b) Find the set on which the function $f(x) = \cot x$ is discontinuous.
- c) Differentiate $\log_3 x$ w.r.t. x .

Q.9. Answer the following Short Answer Type Questions

- a) Check the continuity of the function $f(x) = 2x + 3$ at $x = 1$.
- b) Find the derivative of $\sin x^3$ w.r.t. $\sin^3 x$.
- c) Find the derivative of $\sin^2 x$ w.r.t. $e^{\cos x}$
- d) If $f(x) = \begin{cases} x^2, & \text{if } x \geq 1 \\ x, & \text{if } x < 1 \end{cases}$, then show that f is not differentiable at $x = 1$.
- e) Differentiate $\cot \sqrt{9x - 3}$ w.r.t. x .

Q.10. Answer the following Long Answer Type Questions

- a) If $x\sqrt{1+y} + y\sqrt{1+x} = 0$ & $x \neq y$ then find $\frac{dy}{dx}$.
- b) If $\phi(x)$ inverse of f and $f'(x) = \frac{1}{1+x^n}$, then find $\phi'(x)$.
- c) If $y = \sqrt{\cos x + \sqrt{\cos x + \sqrt{\cos x + \sqrt{\cos x + \dots \dots \infty}}}}$, then find $\frac{dy}{dx}$.
- d) If $y = \log \left\{ e^x \left(\frac{x-2}{x+2} \right)^{3/4} \right\}$ then $\frac{dy}{dx} =$
- e) The derivative of $\tan^{-1} \left(\frac{\sqrt{1+x^2}-1}{x} \right)$ with respect to $\tan^{-1} \left(\frac{2x\sqrt{1-x^2}}{1-2x^2} \right)$ at $x = 0$ is

Part-4 – Homework

- **Learning Homework:** Do practice of complete chapter & learn definitions and formulas.

Summer Holidays Homework

SESSION: 2024-25

CLASS – 12th

Subject: Computer Science

Text Book: Computer Science with Python

1. Syllabus Covered upto MAY END

- Chapter No.- 1 Python Revision Tour-1
- Chapter No.- 2 Python Revision Tour-2
- Chapter No.- 3 Working with Functions
- Chapter No.- 5 File Handling & Exception Handling
- Chapter No.- 7 Data Structure

2. List of all new concepts taught upto MAY END

- Lists, Tuples & Dictionaries in Python
- If conditionals and Looping statements
- Different sorting techniques
- Functions and their types
- Programming using functions in Python
- Different types of files in Python
- Programming using text files
- Programming with binary files
- Programming with CSV files

3. Summer Holiday Homework:

- **Reading Homework:**
 - **Section - A:** Pre-Reading of Next Two Chapters (Chapter-7 Data structures and Ch-8 Computer Networks-1)
- **Written Homework:**
 - **Section – B:** Chapter-wise Revision Assignments
 - **Section – C:** Creative Project/ Model

4. Tools required for doing Homework:

- Text Book
- Notebook
- A4 Sheets
- Resources as per project

5. Instruction/Guidelines for Reading Homework:

- **Section–A : Pre-Reading Homework**
 - Do the Pre-Reading of Chapter No. 8 and 9.
 - Write all the difficult words & their meanings of above chapters in Computer Science N.B.

6. Instruction/Guidelines for Written Homework:

- **Section–B :** Do the given Assignments on A4 sheets.
- **Section–C :** Creative Project/ Models
 - Topic: Roll no 1 to 8
 - Write a Python script that traverses through an input string and prints its characters in different lines- two characters per line.
 - What is the output of the following?
x=12
for I in x:

```
print(I)
```

- Write a script in Python that displays digit at one's position digit of the integer.
- Write a script in Python to check whether an entered string is palindrome or not?
- What is the output of the following code?

```
i=9
while True:
    if(i+1)%4==0:
        break
    print(i,end=' ')
    i+=1
```

- Topic: Roll no 9 to 16

- Draw a table showing precedence of different operators we use in Python?
- What will be output of the following code?

```
tp1=(2,4,3)
tp3=tp1*2
print(tp3)
```

- Name the function required checking if a string contains only uppercase letters?
- Name some of the functions defined in math module (Atleast five)?
- Write a program to check whether a number entered is prime or not?

- Topic: Roll no 17 to 24

- Write a Python script that traverses through an input string and prints its characters in different lines- two characters per line.
- What is the output of the following?

```
x=12
for I in x:
    print(I)
```

- Write a script in Python that displays digit at one's position digit of the integer.
- Write a script in Python to check whether an entered string is palindrome or not?
- What is the output of the following code?

```
i=9
while True:
    if(i+1)%4==0:
        break
    print(i,end=' ')
    i+=1
```

- Topic: Roll no 25 to 31

- Draw a table showing precedence of different operators we use in Python?
 - What will be output of the following code?
- ```
tp1=(2,4,3)
tp3=tp1*2
print(tp3)
```
- Name the function required checking if a string contains only uppercase letters?
  - Name some of the functions defined in math module (Atleast five)?

Write a program to check whether a number entered is prime or not?

**7. Marking scheme for Computer Science homework: –**

- **Section-A : Pre-Reading HW**
  - Difficult words & their meanings in N.B. **6 marks**
- **Section-B : Chapter wise Revision Assignments** **7 marks**
- **Section-C : Creative Project/Working Model** **7 marks**

**Total marks of Computer Science H.W. 20 marks**

**8. Important Note:**

- **All students must submit their vacation Homework of All Subjects for Assessment by teacher on 1st July 2024 by all means. Five marks will be deducted for per day of delay after 1st July 2024.**



# R.E.D. Group of Schools

## Chapter-wise Revision Assignment-1

Class: 12<sup>th</sup>  
Ch. No. : 1

Subject: Computer Science  
Ch. Name: Python Revision Tour-1

### Part-1 – for Vocabulary skills

Q.1. Define the following Key Terms:

- |                      |                |                |
|----------------------|----------------|----------------|
| (i) Block            | (ii) Coercion  | (iii) Constant |
| (iv) Empty Statement | (v) Identifier | (vi) Keyword   |
| (vii) Lexical Unit   | (viii) Literal | (ix) Operator  |
| (x) Token            |                |                |

### Part-2 – Reading skills

Q.2. Read the following Passage from the Chapter & answer the questions.

#### Passage

In a program, statements may be executed sequentially, selectively or iteratively. Every programming language provides constructs to support sequence, selection or iteration. A conditional is a statement set which is executed repeatedly, until the end condition is satisfied.

#### Answer the following Questions from the passage:-

- (A) A conditional is a statement set which is executed repeatedly, until the end condition is satisfied? Explain & Interpret.
- (B) What do you mean by sequence?
- (C) What do you mean by iteration?

### Part-3 – Application skills of Subject Tools & Concepts

Q.3. Draw the Diagram/Picture/ Flow chart /Puzzles for the following Concepts

#### **Diagram/Picture:**

- a) None  
b) None

#### **Flowchart:**

- a) Draw a Flowchart of Plain if conditionals.

#### **Puzzle:**

- a) None

Q.4. Solve the following Assertion-Reason/Statement based question

(i) Assertion (A): “"""A Sample Python String"""” is a valid in Python.

Reason(R): Triple Quotation marks are not valid in Python.

- a) Both Assertion (A) and Reason (R) are true and Reason (R) is a correct explanation of Assertion (A).  
b) Both Assertion (A) and Reason (R) are true but Reason (R) is not a correct explanation of Assertion (A).  
c) Assertion (A) is true and Reason (R) is false.  
d) Assertion (A) is false and Reason (R) is true.

(ii) Assertion (A): If and For are legal statements in Python.

Reason(R): Python is a case sensitive and its basic selection and looping statements are in lower case.

- a) Both Assertion (A) and Reason (R) are true and Reason (R) is a correct explanation of Assertion (A).  
b) Both Assertion (A) and Reason (R) are true but Reason (R) is not a correct explanation of Assertion (A).  
c) Assertion (A) is true and Reason (R) is false.  
d) Assertion (A) is false and Reason (R) is true.

Q.5. Write the Shortcut Key of following terms/abbreviations:

- (i) Shortcut to run a python program.  
(ii) Shortcut to open a python program.

Q.6. Answer the following Short Answer Type Questions

1. What are Tokens in Python?
2. How are keywords different from identifiers?
3. What are literals in Python?

4. What are Operators? What is their function?
5. What are variables? How are they important for a program?

**Q.7. Answer the following Long Answer Type Questions**

1. WAP in python that returns True if the input number is even number, False otherwise.
2. WAP in python program that calculates and prints the number of seconds in a year.
3. WAP to print the cubes of numbers in the range 15 to 18.
4. What are data types? How are they important?
5. What is entry-controlled loop? Which loop is entry-controlled loop in python?

**Part-4 – Learning Homework**

- **Learning Homework:** Learn Ch-1 From Text Book/Notebook.



# R.E.D. Group of Schools

## Chapter-wise Revision Assignment-2

Class: 12<sup>th</sup>  
Ch. No.: 2

Subject: Computer Science  
Ch. Name: Python Revision Tour-II

### Part-1 – for Vocabulary skills

Q.1. Define the following Key Terms:

- |                |              |                |
|----------------|--------------|----------------|
| (i) Dictionary | (ii) Index   | (iii) List     |
| (iv) Lookup    | (v) Mapping  | (vi) Nesting   |
| (vii) Packing  | (viii) Tuple | (ix) Unpacking |
| (x) Sorting    |              |                |

### Part-2 – Reading skills

Q.2. Read the following Passage from the Chapter & answer the questions.

#### Passage

The term 'string slice' refers to a part of the string, where strings are sliced using a range of indices. that is, for a string say name, if we give name[n:m] where n and m are integers and legal indices, Python will return a slice of the string by returning the characters falling between indices n and m starting at n, n+1, n+2.....till m-1.

#### Answer the following Questions from the passage: -

- (A) The term 'string slice' refers to a part of the string, where strings are sliced using a range of indices. Explain & Interpret.
- (B) What do you mean by term slice?
- (C) What will be the starting and ending element of a slice falling between indices n and m?

### Part-3 – Application skills of Subject Tools & Concepts

Q.3. Draw the Diagram/Picture/ Flow chart /Puzzles for the following Concepts

#### **Diagram/Picture:**

- a) None  
b) None

#### **Flowchart:**

- a) None

#### **Puzzle:**

- a) None

Q.4. Solve the following Assertion-Reason/Statement based question

(i) **Assertion (A): Dictionary is mutable but their keys are immutable.**

**Reason(R): The values of a dictionary can change but keys of dictionary cannot be changed through them data is hashed.**

- a) Both Assertion (A) and Reason (R) are true and Reason (R) is a correct explanation of Assertion (A).  
b) Both Assertion (A) and Reason (R) are true but Reason (R) is not a correct explanation of Assertion (A).  
c) Assertion (A) is true and Reason (R) is false.  
d) Assertion (A) is false and Reason (R) is true.

(ii) **Assertion (A): Lists and Tuples are similar sequence types of Python, yet they are two different datatypes.**

**Reason(R): List sequence is mutable and Tuple sequences are immutable.**

- a) Both Assertion (A) and Reason (R) are true and Reason (R) is a correct explanation of Assertion (A).  
b) Both Assertion (A) and Reason (R) are true but Reason (R) is not a correct explanation of Assertion (A).  
c) Assertion (A) is true and Reason (R) is false.  
d) Assertion (A) is false and Reason (R) is true.

Q.5. Write the Shortcut Key of following terms/abbreviations:

- (i) Shortcut to run a python program.  
(ii) Shortcut to open a python program.

**Q.6. Answer the following Short Answer Type Questions**

1. What is the internal structure of a python string?
2. Discuss the utility and significance of Lists, briefly.
3. What are the two ways to add something to a list?
4. What are the two ways to remove something from a list?
5. Discuss the utility and significance of Tuples, briefly.

**Q.7. Answer the following Long Answer Type Questions**

1. WAP in python to sort a list using Bubble sort.
2. WAP in python to sort a sequence using insertion sort.
3. WAP to print the cubes of numbers in the range 15 to 18.
4. What are data types? How are they important?
5. What is entry-controlled loop? Which loop is entry-controlled loop in python?

**Part-4 – Learning Homework**

**Learning Homework:** Learn Ch-2 From Text Book/Notebook.



# R.E.D. Group of Schools

## Chapter-wise Revision Assignment-3

Class: 12<sup>th</sup>  
Ch. No.: 3

Subject: Computer Science  
Ch. Name: Working with Functions

### Part-1 – for Vocabulary skills

Q.1. Define the following Key Terms:

- |                        |                        |                       |
|------------------------|------------------------|-----------------------|
| (i) Argument           | (ii) Flow of Execution | (iii) Parameter       |
| (iv) Function          | (v) Actual Argument    | (vi) Actual Parameter |
| (vii) Formal Parameter | (viii) Formal Argument | (ix) Local Scope      |
| (x) Global Scope       |                        |                       |

### Part-2 – Reading skills

Q.2. Read the following Passage from the Chapter & answer the questions.

#### Passage

Broadly, Python functions can belong to one of the following three categories: -

- 1). **Built-in Functions:** - These are pre-defined functions and are always available to use. You have used some of them-len(), type(), int(), input() etc.
- 2). **Functions defined in modules:** - These functions are pre-defined in particular modules.
- 3). **User defined functions:** - These are defined by the programmer. As programmers you can create your own functions.

#### Answer the following Questions from the passage: -

- (A) As programmers you can create your own functions. Explain & Interpret.
- (B) What do you mean by len() function?
- (C) Why we use input() function in a python program?

### Part-3 – Application skills of Subject Tools & Concepts

Q.3. Draw the Diagram/Picture/ Flow chart /Puzzles for the following Concepts

#### **Diagram/Picture:**

- a) None
- b) None

#### **Flowchart:**

- a) None

#### **Puzzle:**

- a) None

Q.4. Solve the following Assertion-Reason/Statement based question

(i) **Assertion (A): A function is a subprogram.**

**Reason(R): A function exists within a program and works within it when called.**

- a) Both Assertion (A) and Reason (R) are true and Reason (R) is a correct explanation of Assertion (A).
- b) Both Assertion (A) and Reason (R) are true but Reason (R) is not a correct explanation of Assertion (A).
- c) Assertion (A) is true and Reason (R) is false.
- d) Assertion (A) is false and Reason (R) is true.

(ii) **Assertion. Non-default arguments cannot follow default arguments in a function call.**

**Reason. A function call can have different types of arguments.**

- a) Both Assertion (A) and Reason (R) are true and Reason (R) is a correct explanation of Assertion (A).
- b) Both Assertion (A) and Reason (R) are true but Reason (R) is not a correct explanation of Assertion (A).
- c) Assertion (A) is true and Reason (R) is false.
- d) Assertion (A) is false and Reason (R) is true.

Q.5. Write the Shortcut Key of following terms/abbreviations:

- (i) Shortcut to run a python program.
- (ii) Shortcut to open a python program.

**Q.6. Answer the following Short Answer Type Questions**

1. A program having multiple functions is considered better designed than a program without any functions. Why?
2. What do you understand by flow of execution?
3. What are arguments? What are parameters?
4. What is the utility of: (i) default arguments, (ii) keyword arguments?
5. Explain with a code example the usage of default arguments and keyword arguments.

**Q.7. Answer the following Long Answer Type Questions**

1. What is scope? What is the scope resolving rule of Python?
2. When is global statement used? Why is its use not recommended?
3. What do you understand by local and global scope of variables? How can you access a global variable inside the function, if function has a variable with same name?
4. Write a function that receives two numbers and generates a random number from that range. Using this function, the main program should be able to print three numbers randomly.
5. Write a function that receives two string arguments and checks whether they are same-length strings (returns True in this case otherwise False).

**Part-4 – Learning Homework**

**Learning Homework:** Learn Ch-3 From Text Book/Notebook.



# R.E.D. Group of Schools

## Chapter-wise Revision Assignment-4

Class: 12<sup>th</sup>  
Ch. No.: 5

Subject: Computer Science  
Ch. Name: File Handling

### Part-1 – for Vocabulary skills

**Q.1. Define the following Key Terms:**

- |                 |                   |                   |
|-----------------|-------------------|-------------------|
| (i) File        | (ii) File Mode    | (iii) Stream      |
| (iv) Text Files | (v) Data Files    | (vi) Binary Files |
| (vii) Delimited | (viii) raw string | (ix) File Handle  |
| (x) read()      |                   |                   |

### Part-2 – Reading skills

**Q.2. Read the following Passage from the Chapter & answer the questions.**

#### Passage

Linear lists or Arrays refer to a named list of finite number  $n$  of similar data elements. Each of the data elements can be referenced respectively by a set of consecutive numbers, usually  $0, 1, 2, 3, \dots, n$ . If the name of a linear list of 10 elements in LIL, then its elements will be referenced as shown: LIL[0], LIL[1], LIL[2], .....LIL[9]. Arrays can be one dimensional, two dimensional or multi-dimensional. In python, arrays are implemented through List data types as Linear Lists or through NumPy arrays.

#### Answer the following Questions from the passage: -

- (A) Arrays refer to a named list of finite number  $n$  of similar data elements. Explain & Interpret.
- (B) What do you mean by Linear Lists?
- (C) How arrays can be implemented?

### Part-3 – Application skills of Subject Tools & Concepts

**Q.3. Draw the Diagram/Picture/ Flow chart /Puzzles for the following Concepts**

#### **Diagram/Picture:**

- a) None
- b) None

#### **Flowchart:**

- a) None

#### **Puzzle:**

- a) None

**Q.4. Solve the following Assertion-Reason/Statement based question**

**(i) Assertion (A): A linear list refers to a named list of finite number of similar data elements.**

**Reason(R): Similar type of elements grouped under one name make a linear list.**

- a) Both Assertion (A) and Reason (R) are true and Reason (R) is a correct explanation of Assertion (A).
- b) Both Assertion (A) and Reason (R) are true but Reason (R) is not a correct explanation of Assertion (A).
- c) Assertion (A) is true and Reason (R) is false.
- d) Assertion (A) is false and Reason (R) is true.

**(ii) Assertion.** The file modes "r", "w", "a" work with text files, CSV files and TSV files alike.

**Reason.** The CSV and TSV are types of delimited text files only.

- a) Both Assertion (A) and Reason (R) are true and Reason (R) is a correct explanation of Assertion (A).
- b) Both Assertion (A) and Reason (R) are true but Reason (R) is not a correct explanation of Assertion (A).
- c) Assertion (A) is true and Reason (R) is false.
- d) Assertion (A) is false and Reason (R) is true.

**Q.5. Write the Shortcut Key of following terms/abbreviations:**

- (i) Shortcut to run a python program.
- (ii) Shortcut to save a python program.

**Q.6. Answer the following Short Answer Type Questions**

1. Write a method in Python to read the content from a text file diary.txt line by line and display the

same on screen.

2. Write a method in Python to write multiple line of text contents into a text file mylife.txt.line.
3. What will be the output of the following code?
4. What is the utility of: (i) default arguments, (ii) keyword arguments?
5. Explain with a code example the usage of default arguments and keyword arguments.

**Q.7. Answer the following Long Answer Type Questions**

1. Write a program that reads a text file and creates another file that is identical except that every sequence of consecutive blank spaces is replaced by a single space.
2. Write a program to count the words "to" and "the" present in a text file "Poem.txt".
3. Write a function AMCount() in Python, which should read each character of a text file STORY.TXT, should count and display the occurrence of alphabets A and M (including small cases a and m too).
4. Write a program to count the number of upper-case alphabets present in a text file "Article.txt".
5. Write a program that copies one file to another. Have the program read the file names from user?

**Part-4 – Learning Homework**

**Learning Homework:** Learn Ch-5 From Text Book/Notebook.

# Summer Holidays Homework

SESSION: 2024-25

CLASS – 12th

Subject: Physical education

Text Book: Phy.edu.

## 1. Syllabus Covered upto MAY END

- Chapter No.- 1 Management of sporting Events
- Chapter No.- 2 Children and women in sports
- Chapter No.- 3 Yoga as preventive measure for lifestyle disease
- Chapter No.- 4 Physical education and sports for CWSN

## 2. List of all new concepts taught upto MAY END

- Concept of inclusion in sports, its need and implementation
- Advantages of physical activities for CWSN
- Strategies to make physical activities accessible for CWSN

## 3. Summer Holiday Homework:

- **Reading Homework:**
  - **Section – A:** Pre-Reading of Next Two Chapters
- **Written Homework:**
  - **Section – B:** Chapter-wise Revision Assignments
  - **Section – C:** Current Affairs Project
  - **Section – D:** Creative Project/ Working Model
  - **Section – E:** Chart Work

## 4. Tools required for doing Homework:

- Text Book
- Notebook
- A4 Sheets
- Resources as per activity

## 5. Instruction/Guidelines for Reading Homework:

- **Section – A: Pre-Reading Homework**
  - Do the Pre-Reading of Chapter No. 05 and 06
  - Write all the difficult words & their meanings of above chapters in Physical Edu. N.B.

## 6. Instruction/Guidelines for Written Homework

- **Section – B:** Do the given Assignments on A4 Sheet.
- **Section – C: Current Affairs Project:**
  - Collecting current news of five National, five International and five Sports of Month June
- **Section – D: Creative Project/ Models**
  - Topic: Roll no 1 to 12 (Postural deformities)
  - Topic: Roll no 13 to 24 (21 teams knockout fixture)
  - Topic: Roll no 25 to 36 (Bhugasana)
- **Section – E: Chart Work**
  - Topic: Roll no 1 to 12 (BMI Chart)
  - Topic: Roll no 13 to 24 (Basal metabolic rate)
  - Topic: Roll no 25 to 36 (committee chart)

## 7. Marking scheme for Physical Education Homework: –

- **Section-A : Pre-Reading HW**

- Difficult words & their meanings in N.B. **4 marks**
- **Section-B : Chapter wise Revision Assignments** **4 marks**
- **Section-C : Project on Current Affairs** **4 marks**
- **Section-D : Creative Project/Working Model** **4 marks**
- **Section-E : Chart** **4 marks**

**Total marks of Physical Education H.W. 20 marks**

**8. Important Note:**

**All students must submit their vacation Homework of All Subjects for Assessment by teacher on 1st July 2024 by all means. Five marks will be deducted for per day of delay after 1st July 2024.**



# R.E.D. Group of Schools

## Chapter-wise Revision Assignment-1

Class: 11th

Ch. No.: 1 to 2

of sporting events, Children and women in sports

Subject: Phy. Edu.

Ch. Name: Management

### Part-1 – for Vocabulary skills

**Q.1. Define the following Key Terms:**

- |                    |                 |                  |
|--------------------|-----------------|------------------|
| (i) Osteoporosis   | (ii) Intramural | (iii) Extramural |
| (iv) Technological | (v) Adolescents | (vi) Tournament  |
| (vii) Disorder     |                 |                  |

### Part-2 – Reading skills

**Q.2. Read the following Passage from the Chapter & answer the questions.**

**Passage** In the realm of sports, meticulous planning is the cornerstone of success. From individual athletes to entire teams, the journey towards achieving peak performance begins with a well-crafted plan. This plan encompasses a range of elements, including setting clear and achievable goals, mapping out training regimens tailored to individual needs, strategizing for competitions, and managing resources effectively. Whether it's outlining a season-long training program or preparing for a single game, the ability to plan and adapt is essential for athletes and coaches alike. Through strategic planning, athletes can maximize their potential, overcome challenges, and ultimately excel in their chosen sport."

**Answer the following Questions from the passage:-**

- (A) What is planning?  
(B) Through strategic planning athletes can maximize their \_\_\_\_\_?  
(C) What is the aim of planning?

### Part-3 – Application skills of Subject Tools & Concepts

**Q.3. Solve the following questions based on Maps or Diagram or Graphs given below**

**Diagram:**

- a) Trikonasana  
b) 7 teams league fixture

**Q.4. Solve the following Assertion-Reason/Statement based question**

(i) **Assertion (A): Any tournament will get adversely affected if there is a lack of coordination among the related administrators.**

**Reason (R): Everyone shall know his duty or work in advance so that there is proper coordination among all.**

- Both Assertion (A) and Reason (R) are true, and Reason (R) is the correct explanation of the Assertion (A).
- Both Assertion (A) and Reason (R) are true, but Reason (R) is not the correct explanation of the Assertion (A).
- Assertion (A) is true, but Reason (R) is false.
- Assertion (A) is false, but Reason (R) is true.

(ii) **Assertion (A): Round shoulders are an unnatural posture characterized by an exaggerated curvature of the upper back.**

**Reason (R): Due to postural deformity the knee knocks each other.**

- Both Assertion (A) and Reason (R) are true, and Reason (R) is the correct explanation of the Assertion (A).
- Both Assertion (A) and Reason (R) are true, but Reason (R) is not the correct explanation of the Assertion (A).
- Assertion (A) is true, but Reason (R) is false.
- Assertion (A) is false, but Reason (R) is true.

**Q.5. Analyze the given picture & describe it in your own words**

**Picture :-**



**Q.6. Answer the following Short Answer Type Questions**

- a) What is staircase methods?
- b) What is extramural tournaments?
- c) What do you mean by knockout tournaments?
- d) What exercises children and adolescents aged 5-17 years must perform?
- e) Explain the causes of scoliosis?

**Q.7. Answer the following Long Answer Type Questions**

- a) Explain the causes , precautions and remedies of knock knees?
- b) Explain the pre tournaments committees?
- c) Draw a fixture of 7 teams of tabular method?
- d) Draw a fixture of 20 teams providing 4 special seeding in a knockout tournament?

**Part-4 – Learning Homework**

- **Learning Homework:** Learn Ch- 01 & 02 From Text Book/Notebook.



# R.E.D. Group of Schools

## Chapter-wise Revision Assignment-2

Class: 12th  
Ch. No.: 3,4

Subject: Phy. Edu.  
Ch. Name: Yoga as preventive

measure for lifestyle disease, Physical education and sports for CWSN

### Part-1 – for Vocabulary skills

**Q.1. Define the following Key Terms:**

- |                 |                   |              |
|-----------------|-------------------|--------------|
| (i) Obesity     | (ii) Hypertension | (iii) Asthma |
| (iv) Posture    | (v) Disability    | (vi) Anxiety |
| (vii) Implement |                   |              |

### Part-2 – Reading skills

**Q.2. Read the following Passage from the Chapter & answer the questions.**

**Passage** Yoga is a practice that originated in ancient India and has evolved over thousands of years. It encompasses physical postures, breathing exercises, meditation, and ethical principles aimed at promoting physical, mental, and spiritual well-being. Through regular practice, individuals can improve flexibility, strength, balance, and mental clarity. Yoga is not just a form of exercise but a holistic lifestyle that encourages self-awareness, mindfulness, and inner peace. Its benefits extend beyond the physical realm to promote harmony within oneself and with the surrounding world."

### Answer the following Questions from the passage:-

1. Yoga encourages \_\_\_\_\_ in an individual?
2. Yoga helps to improve?
3. Yoga is originated from?

### Part-3 – Application skills of Subject Tools & Concepts

**Q.3. Solve the following Assertion-Reason/Statement based question**

(i) **Assertion (A):** In India, there are most number of diabetic patients, both adults and children are suffering from this disease

**Reason (R):** Most people are affected by Type 2 diabetes in India.

- i. Both Assertion (A) and Reason (R) are true, and Reason (R) is the correct explanation of the Assertion (A).
- ii. Both Assertion (A) and Reason (R) are true, but Reason (R) is not the correct explanation of the Assertion (A).
- iii. Assertion (A) is true, but Reason (R) is false.
- iv. Assertion (A) is false, but Reason (R) is true.

(ii) **Assertion (A):** Divyangs get more and more opportunities by participating in physical activities with the inclusion.

**Reason (R):** It does not lead to increase in the self confidence and they also learn different skills.

- i. Both Assertion (A) and Reason (R) are true, and Reason (R) is the correct explanation of the Assertion (A).
- ii. Both Assertion (A) and Reason (R) are true, but Reason (R) is not the correct explanation of the Assertion (A).
- iii. Assertion (A) is true, but Reason (R) is false.
- iv. Assertion (A) is false, but Reason (R) is true.

**Q.4. Analyze the given picture & describe it in your own words**

**Picture :-**



**Q.5. Answer the following Short Answer Type Questions**

- a) What is the meaning of yoga?
- b) What is scoliosis?
- c) Define disability?
- d) What do you know about Deaflympics?
- e) Write down symptoms of diabetes?

**Q.6. Answer the following Long Answer Type Questions**

- a) Discuss the asanas helpful for a person suffering from Asthma?
- b) What do you mean by Obesity? Explain asanas which prevent Obesity.,
- c) Explain the concept and implementation of inclusive education?
- d) Explain broadly the paralympics games?

**Part-4 – Learning Homework**

**Learning Homework:** Learn Ch- 03 and 04 From Text Book/Notebook.