



R.E.D. GROUP OF SCHOOLS

Summer Holidays Homework

SESSION: 2024-25

Class: 11th

Subject: English

Text Book: Hornbill, Snapshots, BBC Compacta

1. Syllabus Covered up to MAY END

Hornbill

- Chapter No. 1 Reading Comprehension
- Chapter No. 1 The Portrait of a Lady
- Chapter No. 2 We are not afraid to die, if we can all be together
- Poem No. 1 A Photograph
- Chapter No. 3 Discovering Tut the Saga continue
- Advertisement
- Note Making

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

4. Tools required for doing Homework:

- Text Book – Notebook – Scrap Book – Resources as per activity

5. Instruction/Guidelines for Reading & Speaking Homework:

○ **Section-A: Reading Homework**

- Each student will read one fiction & one non-fiction book and write a book review by using the following steps: –
- **Fiction :** Wings of Fire and A Train to Pakistan.
 - **Non-Fiction :** "The Diary of a Young Girl" by Anne Frank.
 - ✓ Draw creative page as front page
 - ✓ Identify and list the Main characters in the Book
 - ✓ Write the summary of the story as follows: —
 - ❖ Beginning
 - ❖ Middle
 - ❖ End
 - ✓ Write a paragraph on “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: –
 - Are Student Loan Exploitive
 - OR
 - Healthcare should be Universal
 - OR
 - Children should be Exposed to Technology

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 Chapter No.7 (The Adventure) and Ch-8 (Silk Road).
- 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 project on different kinds of advertisements)

Classifieds and no classifieds)

- **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

Revision Assignment-1

Class: 11th

Ch. Name: The Portrait of a Lady

Subject: English

Ch. No.: 1

Part-1 – Vocabulary skills

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

- | | |
|-----------------|--------------------|
| (i) Seclusion | (vi) Sentimental |
| (ii) Serenity | (vii) Frivolous |
| (iii) Absurd | (viii) Undignified |
| (iv) Fables | (ix) Pallor |
| (v) Contentment | (x) Customary |

Q.2. Write the Synonyms of the following words

- (i) Scattered
- (ii) Contentment

Q.3. Write the Antonyms of the following words

- (i) Undignified
- (ii) Sentimental

Q.4. Write the Homonyms of the following words

- (i) Bank
- (ii) Sole

Part-2 – Reading Skills

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

Passage

She hobbled about the house in spotless white with one hand resting on her waist to balance her stoop and the other telling the beads of her rosary. Her silver locks were scattered untidily over her pale, puckered face, and her lips constantly moved in inaudible prayer. Yes, she was beautiful. She was like the winter landscape in the mountains, an expanse of pure white serenity breathing peace and contentment.

Answer the following Questions from the passage: -

- (A) What does the narrator mean by ‘Silver locks’?
- (B) Which poetic device is employed in “Pale puckered face”?
- (C) What does the word ‘Hobble’ mean?

Part-3 –Application skills of Subject Tools & Concepts

Q.6. Answer the following Short Answer Type Questions

1. What two activities does the grandmother do every day?
2. “In the evening a change came over her.” What change came over the grandmother?
3. How did the grandmother utilise her time in the city home?

Q.7. Answer the following Long Answer Type Questions

1. How does grandmother feel about English education and music lessons at school?
2. Give a sketch of the author’s grandmother according to the chapter “The Portrait of a Lady”.
3. What type of bond did the grandmother share with dogs and sparrows?

Part-4 – Learning Homework

- **Learning Homework:** Learn Ch- 1 From Text Book (Hornbill).



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Revision Assignment-2

Class: 11th

Subject: English

Ch. Name: We Are Not Afraid to Die....

Ch. No.: 2

Part-1 – Vocabulary skills

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

- | | |
|-----------------|------------------|
| (i) Honing | (vi) Tremendous |
| (ii) Enormous | (vii) Voyage |
| (iii) Capsizing | (viii) Frightful |
| (iv) Omnious | (ix) Respite |
| (v) Smashed | (x) Gigantic |

Q.2. Write the Synonyms of the following words

- (i) Honing (ii) Smashed

Q.3. Write the Antonyms of the following words

- (i) Enormous (ii) Respite

Q.4. Write the Homonyms of the following words

- (i) Steel (ii) Stairs

Part-2 – Reading Skills

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

Passage

Unexpectedly, my head popped out of the water. A few metres away, Wavewalker was near capsizing, her masts almost horizontal. Then a wave hurled her upright, my lifeline jerked taut, I grabbed the guard rails and sailed through the air into Wavewalker's main boom. Subsequent waves tossed me around the deck like a rag doll. My left ribs cracked; my mouth filled with blood and broken teeth. Somehow, I found the wheel, lined up the stern for the next wave and hung on.

Answer the following Questions from the passage: -

- (A) Who is "I" in the above lines?
(B) What was the physical state of the narrator?
(C) Who is "she" in the above lines?

Part-3 –Application skills of Subject Tools & Concepts

Q.6. Answer the following Short Answer Type Questions

- A. Why did the narrator and their family embark on a sea journey?
B. Describe the first leg of the narrator's journey.
C. How did the narrator hurt himself?

Q.7. Answer the following Long Answer Type Questions

- A. What difference did you notice between the reactions of the adults and the children when faced with danger?
B. How does the story suggest that optimism helps to endure "the direst stress"?
C. How did the narrator and his companions save the boat from sinking?

Part-4 – Learning Homework

- **Learning Homework:** Learn Ch- 2 From Text Book (Hornbill).



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Revision Assignment-3

Class: 11th

Subject: English

Ch. Name: Discovering Tut: The Saga Continues.....

Ch. No.: 3

Part-1 – Vocabulary skills

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

- | | |
|-----------------|----------------|
| (i) Speculated | (vi) Sensation |
| (ii) Misfortune | (vii) Cramped |
| (iii) Ransacked | (viii) Eternal |
| (iv) Extreme | (ix) Adorned |
| (v) Antiquity | (x) Murals |

Q.2. Write the Synonyms of the following words

- (i) Adorned (ii) Misfortune

Q.3. Write the Antonyms of the following words

- (i) Eternal (ii) Adorned

Q.4. Write the Homonyms of the following words

- (i) Floor (ii) Accept

Part-2 – Reading Skills

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

Passage

Carter—Howard Carter, that is — was the British archaeologist who in 1922 discovered Tut’s tomb after years of futile searching. Its contents, though hastily ransacked in antiquity, were surprisingly complete. They remain the richest royal collection ever found and have become part of the pharaoh’s legend. Stunning artefacts in gold, their eternal brilliance meant to guarantee resurrection, caused a sensation at the time of the discovery — and still get the most attention. But Tut was also buried with everyday things he’d want in the afterlife: board games, a bronze razor, linen undergarments, cases of food and wine.

Answer the following Questions from the passage: -

- (A) Who found King Tut’s mummy?
(B) What was the mummy laden with?
(C) Why were kings laden with riches?

Part-3 –Application skills of Subject Tools & Concepts

Q.6. Answer the following Short Answer Type Questions

- A. Who was Howard Carter? What was his discovery?
B. Why did King Tut’s mummy have to undergo CT scan?
C. In 1968 what was the startling fact revealed by a professor of anatomy about king Tut?

Q.7. Answer the following Long Answer Type Questions

- A. “The mummy is in very bad condition because of what Carter did in the 1920s,” said Zahi Hawaas, the expert on Egyptian antiquity. How far is the statement true? Discuss.
B. Who was King Tut? What do you know about him?
C. Discuss the suitability of the title, ‘Discovering Tut: The Saga Continues’.

Part-4 – Learning Homework

- **Learning Homework:** Learn Ch-3 From Text Book(Hornbill).



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Revision Assignment-4

Class: 11th

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) Prepositions - _____

Example: _____

(b) Interjections- _____

Example: _____

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

A. Nafeesa is afraid _____ spiders.

i) From

iii) About

ii) In

iv) of

B. I am worried _____ the exam.

i) In

iii) On

ii) About

iv) of

C. He looks upset, I think he took the criticism _____ heart.

i) To

iii) In

ii) About

iv) of

D. I am envious _____ them.

i) of

iii) In

ii) About

iv) On

Q.3. Fill in the blanks with correct parts of speech. (Pronouns and Adverbs)

A. Shyam is my brother. ____ study in the same class

B. Between Ritu and me, __ am the younger one.

C. The man repeated the same thing _____.

D. The mangoes are _____ripe.

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

A. Many peoples attended the funeral of the great man.

B. The shepherd took the cattles to the field.

C. Sita could not understands what the teacher was saying.

D. Do you know the importance for clean water?

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

A. Romesh is the driver (verb) of the bus that takes me to school.

B. Satish Kumar is a very strong (abstract noun) man.

C. Aarohi is a graceful (adverb) dancer.

D. Sujit sings (noun) in our school band.

Part-2 – Sentence Structure

Section-B: Tense Structure

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

(a) Simple present tense - _____

Example: _____

(b) Simple past tense - _____

Example: _____

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

1. I _____ working all afternoon and have just finished the assignment.
A. have been B. had been C. shall be D. am
2. Rohan _____ the movie before he read the review.
A. watches B. have watched C. had watched D. was watching
3. He _____ in the States but he still does not have a command over the English language.
A. have been living B. has been living C. have lived D. living
4. By the next month, we shall _____ the project.
A. has completed B. completing C. completed D. have completed

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

- A. Shruti _____ to study now.
- B. James _____ to the market yesterday.
- C. At this time tomorrow, Jason _____ in Paris.
- D. When Diya got the call, she _____ in her office.

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

- A. It is raining for two days.
- B. The baby is sleeping for three hours now.
- C. I have seen him yesterday.

Q.10. Transform the given sentences as instructed:

- A. She doesn't like sweets and chocolates. (interrogative)
- B. She is coming to attend the meeting in the evening. (negative interrogative)
- C. She has taken her breakfast in the morning. (simple past tense)
- D. I have not completed the assignment yet. (Past perfect)

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

- A. मैंने खाना खा लिया था जब वह आया।
- B. उसने अपनी किताब पढ़ ली थी जब मैंने उसे बुलाया
- C. उन्होंने नई गाड़ी खरीदी है।

Section-C: Voices

Q.12. Convert the given sentence as instructed

- A. Shreya Ghoshal sings beautiful songs. (passive)
- B. The Sun sets in the West. (passive)
- C. The boy was being beaten by his teacher. (active)
- D. Bucky is helped by Steve. (active)
- E. The carpenter is building the desk. (active)
- F. The woodcutter cut down the tree. (passive)

Section-D: Narration

Q.13. Convert the given sentence as instructed

- A. Rahul told to me, "When are you leaving?"
- B. "Where do you live?" the stranger asked Aladdin.
- C. The teacher said to Shelly, "Why are you laughing?"
- D. Dhronacharya said to Arjun, "Shoot the bird's eye."
- E. "Call the first convict," said the jury.

Part-3 – Creative Writing Skills

Section-E

Q.14. Questions based on speech writing:

- A. As Mukul / Mahima of Alps Public School, write a speech to be delivered in school assembly highlighting the importance of cleanliness suggesting that the state of cleanliness reflects the character of its citizens. (150-200 words)
- B. You are Ali/Alia, Head girl / Head boy of your school. You are deeply disturbed by the rising cases of aggressive behaviour of students in your school. You decide to speak during the morning assembly about it. Write a speech on 'Indiscipline in Schools'. (150 – 200 words)

Q.15. Question based on debate writing:

- A. You are Mukul / Mahima of Alps Public School. Your school has organized a debate on “Social Media and It’s Effects” and you will be participating in your school. Prepare your views against or in favour of the motion.
- B. “Academic excellence is the only requirement for a successful career.” Write a debate either for or against the motion. (120 – 150 words)

Summer Holidays Homework

SESSION: 2024-25

CLASS –11th

Subject: Political Science

Text Book: Political Theory

Indian Constitution at work

1. Syllabus Covered upto MAY END

- Chapter No.- 03 : Equality
- Chapter No.- 03 : Election and Representation

2. List of all new concepts taught upto MAY END

- First past the post system of election.
- Concept of positive and negative freedom

3. Summer Holiday Homework:

- **Reading Homework:**
 - **Section – A:** Pre-Reading of Next Two Chapters
 - **Social Justice**
 - **Executive**
- **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. 04 (Book I) and 05 (Book II).
 - 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 on A4 Sheets
- **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 5 make a scrap book on (Types of Political Systems)
 - Democracy: Explain the principles of democracy, types (direct and representative), and examples of democratic countries.
 - Authoritarianism: Describe authoritarian regimes, characteristics, and examples.
 - Monarchy: Differentiate between absolute and constitutional monarchies with examples.
 - Topic: Roll no 6 to 11 make a scrap book on (Government Structures and Functions)

- Branches of Government: Explain the executive, legislative, and judicial branches, their roles, and interactions.
- Separation of Powers: Importance of checks and balances, with examples from different countries.
- Federal vs. Unitary States: Differences, advantages, and examples.
- Topic: Roll no 01 to 05 make a chart on (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 06 to 10 make a chart on (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.



R.E.D. Group of Schools

Revision Assignment-1

Class: 11th
Ch. No.: 01

Subject: Political Science
Ch. Name: Constitution: Why and How

Part-1 – for Vocabulary skills

Q.1. Define the following Key Terms:

- | | | |
|-------------------|--------------------------|----------------------|
| (i) Constitution | (v) Separation of Powers | (ix) Judicial Review |
| (ii) Preamble | (vi) Rule of Law | (x) Ratification |
| (iii) Sovereignty | (vii) Amendment | |
| (iv) Federalism | (viii) Bill of Rights | |

Part-2 – Reading skills

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

Passage

From the nationalist movement. For decades preceding the promulgation of the Constitution, the nationalist movement had debated many questions that were relevant to the making of the constitution – the shape and form of government India should have, the values it should uphold, the inequalities it should overcome. Answers forged in those debates were given their final form in the Constitution.

Perhaps the best summary of the principles that the nationalist movement brought to the Constitution Assembly in the Objectives Resolution (the resolution that defined the aims of the Assembly) moved by Nehru in 1946. This resolution encapsulated the aspirations and values behind the Constitution. What the previous section terms as substantive provisions of the constitution is inspired by and summed up by the values incorporated in Objectives Resolution.

Answer the following Questions from the passage:-

- (A) On which issues Nationalist movement had debated ?
- (B) Who place objective Resolution in Constituent Assembly?
- (C) When objective Resolution place in Constituent Assembly?

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 of Fundamental rights provided by constitution of India.

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

- (i) **Assertion (A):** The Constitution is considered the supreme law of the land.

Reason (R): The Constitution provides the framework for the establishment, functions, and limitations of government institutions and ensures the protection of fundamental rights.

Codes:

- 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 process of amending the Constitution is deliberately made complex.

Reason (R): A complex amendment process ensures that only changes with widespread support and thorough consideration are incorporated into the Constitution.

Codes:

- 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 moved the 'Objectives Resolution' in Constituent Assembly?
2. Explain the meaning of Constitution.
3. Write two definitions of the Constitution.
4. Write Down any two qualities of a good Constitution.
5. Why the Indian Constitution was enforced on 26th January, 1950?

Q.7. Answer the following Long Answer Type Questions

1. Write a short note on the Constituent Assembly of India.
2. How was the Constitution of India framed?
3. Discuss the main sources of the Indian Constitution.
4. 'The Constitution of India is a bag of borrowing' Discuss.
5. Describe in brief the salient features of the Indian Constitution.

Part-4 – Learning Homework

- **Learning Homework:** Learn Ch- 1 to 3 From Text Book/Notebook.



R.E.D. Group of Schools

Revision Assignment-2

Class:11th
Ch. No.: 02

Subject: Political Science
Ch. Name: Rights in the Indian Constitution

Part-1 – for Vocabulary skills

Q.1. Define the following Key Terms:

- | | | |
|---------------------------------|--|---------------------------------------|
| (i) Fundamental Rights | (v) Right to Freedom of Religion | (ix) Public Interest Litigation (PIL) |
| (ii) Right to Equality | (vi) Cultural and Educational Rights | (x) Social Justice |
| (iii) Right to Freedom | (vii) Right to Constitutional Remedies | |
| (iv) Right against Exploitation | (viii) Fundamental Duties | |

Part-2 – Reading skills

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

Passage

The Indian Constitution grants its citizens a set of Fundamental Rights, which are essential for the holistic development of individuals and the functioning of a democracy. These rights are enshrined in Part III of the Constitution and include the Right to Equality, the Right to Freedom, the Right against Exploitation, the Right to Freedom of Religion, Cultural and Educational Rights, and the Right to Constitutional Remedies.

The Right to Equality ensures that all citizens are treated equally before the law and prohibits discrimination on grounds of religion, race, caste, sex, or place of birth. The Right to Freedom includes several freedoms such as speech and expression, assembly, association, movement, residence, and the right to practice any profession. The Right against Exploitation prohibits human trafficking, forced labor, and child labor.

The Right to Freedom of Religion guarantees religious freedom and allows individuals to practice, profess, and propagate their religion. Cultural and Educational Rights protect the rights of minorities to preserve their culture and establish and administer educational institutions. The Right to Constitutional Remedies empowers citizens to approach the courts to seek enforcement of their Fundamental Rights through writs like Habeas Corpus, Mandamus, Prohibition, Certiorari, and Quo Warranto.

The inclusion of these rights ensures that individuals have the necessary freedoms and protections to live with dignity and participate fully in the democratic process. The judiciary plays a crucial role in safeguarding these rights and ensuring that any infringement is addressed promptly.

Answer the following Questions from the passage:-

- (A) What are Fundamental Rights, and why are they important in the Indian Constitution?
- (B) List the six categories of Fundamental Rights mentioned in the passage?
- (C) Explain the Right to Equality and its significance?

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 flow chart of Rights provided in Constitution of India.

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

- (i) **Assertion (A):** The Right to Constitutional Remedies is considered the "heart and soul" of the Indian Constitution.

Reason (R): The Right to Constitutional Remedies allows citizens to approach the judiciary to seek enforcement of Fundamental Rights through writs such as Habeas Corpus, Mandamus, Prohibition, Certiorari, and Quo Warranto.

Codes:

- 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.

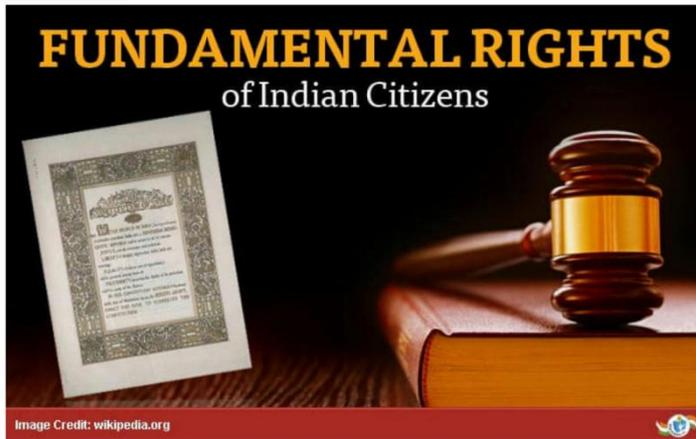
- (ii) **Assertion (A):** The Right to Freedom of Speech and Expression is subject to reasonable restrictions.
Reason (R): Freedom of Speech and Expression can be curtailed in the interest of sovereignty and integrity of India, security of the state, friendly relations with foreign states, public order, decency or morality, or in relation to contempt of court, defamation, or incitement to an offense.

Codes:

- 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. Describe the importance of the Right to Constitutional remedies.
2. Explain in brief the aims of the Directive Principles.
3. What are the main differences between Fundamental Rights and Directive Principles?
4. Describe any four Liberal Principles as provided in the Directive Principles of State Policy?
5. Explain in brief the Gandhian principles as provided in the Directive Principles of the State Policy.

Q.7. Answer the following Long Answer Type Questions

1. Discuss the Nature of Fundamental Rights as mentioned in our Constitution.
2. Explain briefly the scheme of 'Fundamental Rights' as contained in the Indian Constitution.
3. What constitutes the Right to equality?
4. Mention the six freedoms guaranteed under Article 19 of Indian Constitution. Discuss any one of them.
5. Describe in brief the Right to freedom as granted to the citizen of India.

Part-4 – Learning Homework

- **Learning Homework:** Learn Ch- 1 to 3 From Text Book/Notebook.



R.E.D. Group of Schools

Revision Assignment-3

Class: 11th
Ch. No.: 03

Subject: Political Science
Ch. Name: Election and Representation

Part-1 – for Vocabulary skills

Q.1. Define the following Key Terms:

- | | | |
|-------------------------------|-----------------------|-------------------|
| (i) Democracy | (v) Constituency | (ix) Campaign |
| (ii) Election | (vi) Electoral System | (x) Voter Turnout |
| (iii) Representation | (vii) Political Party | |
| (iv) Universal Adult Suffrage | (viii) Manifesto | |

Part-2 – Reading skills

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

Passage

In a democratic society, elections serve as a cornerstone of governance, providing citizens with the opportunity to participate in the selection of their representatives and shaping the direction of their nation. Through the electoral process, individuals exercise their right to vote, casting ballots for candidates or political parties that best represent their interests and values.

Representation lies at the heart of elections, as elected officials are entrusted with the responsibility to advocate for the needs and concerns of their constituents. The concept of representation encompasses not only the demographic diversity of the electorate but also the articulation of diverse viewpoints and interests within the legislative chambers.

Various electoral systems exist worldwide, each with its unique mechanisms for translating voter preferences into political representation. Proportional representation systems aim to ensure that the composition of legislative bodies reflects the distribution of votes cast, thereby promoting inclusivity and minority representation. In contrast, first-past-the-post systems prioritize geographic representation and often result in a winner-takes-all outcome.

Moreover, election campaigns play a crucial role in informing and mobilizing voters, as candidates and political parties present their platforms and vie for public support. Campaign strategies encompass a range of activities, from traditional methods such as rallies and door-to-door canvassing to modern techniques like social media outreach and targeted advertising.

In recent years, concerns have been raised about the integrity and fairness of elections, particularly regarding issues such as gerrymandering, voter suppression, and foreign interference. Electoral commissions play a vital role in safeguarding the integrity of the electoral process, ensuring transparency, accountability, and adherence to electoral laws.

Overall, elections serve as a fundamental mechanism for translating the will of the people into political representation, thereby upholding the principles of democracy and ensuring that governments remain accountable to their citizens.

Answer the following Questions from the passage:-

- Define the concept of representation in the context of elections. Why is it essential in a democratic society?
- Compare and contrast proportional representation systems with first-past-the-post systems. What are the advantages and disadvantages of each?
- Discuss the role of election campaigns in the electoral process. How do campaigns contribute to voter engagement and decision-making?

Part-3 – Application skills of Subject Tools & Concepts

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

- Make a flow chart on Election system in India

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

- Assertion (A):** Proportional representation electoral systems promote greater inclusivity and minority representation compared to first-past-the-post systems.
Reason (R): Proportional representation systems allocate seats in legislative bodies in proportion to the number of votes received by each political party, ensuring that minority viewpoints are adequately represented.

Codes:

- 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):** Election campaigns are essential for informing voters about candidates' platforms and policies, thereby facilitating informed decision-making.

Reason (R): Campaign strategies, such as rallies, door-to-door canvassing, and social media outreach, help candidates reach a wide audience and engage with voters to garner support for their candidacy.

Codes:

- 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. Why do we need elections?
- 2. Write a short note on Adult Franchise in India.
- 3. Suggest any four reforms which may help to improve the electoral process in India.
- 4. Mention any four stages in the election process of India.
- 5. What is the composition of the Election Commission of India?

Q.7. Answer the following Long Answer Type Questions

- 1. Write down the constitutional provisions with regard to reservation. Give arguments for and against reservations.
- 2. Explain the election procedure prevalent in India.
- 3. Describe the Compositions, Powers and Functions of the Election Commission of India.
- 4. Describe the main shortcomings of the present Election System in India.
- 5. Examine the major suggestions for electoral reforms.

Part-4 – Learning Homework

- **Learning Homework:** Learn Ch- 1 to 3 From Text Book/Notebook.



R.E.D. Group of Schools

Revision Assignment-4

Class: 11th
Ch. No.: 01

Subject: Political Science
Ch. Name: Political Theory : An Introduction

Part-1 – for Vocabulary skills

Q.1. Define the following Key Terms:

- | | | |
|----------------------|-----------------------|------------------------|
| (i) Political Theory | (v) Equality | (ix) Democracy |
| (ii) Legitimacy | (vi) Rights | (x) Political Ideology |
| (iii) Justice | (vii) Social Contract | |
| (iv) Liberty | (viii) Citizenship | |

Part-2 – Reading skills

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

Passage

Political theory serves as the foundation of political science, providing frameworks, concepts, and ideas to analyze and understand the complexities of governance, power, and society. At its core, political theory seeks to address fundamental questions about the nature of politics, the legitimacy of authority, and the principles of justice and equality.

One key concept in political theory is the social contract, which explores the hypothetical agreement between individuals to form a society and submit to its authority for mutual benefit. Philosophers like Thomas Hobbes, John Locke, and Jean-Jacques Rousseau have proposed different variations of the social contract theory, offering insights into the origins of political authority and the rights and obligations of citizens.

Another central theme in political theory is the relationship between liberty and authority. While liberty entails the freedom of individuals to act and choose without undue constraint, authority involves the legitimate exercise of power to maintain order and uphold the common good. Political theorists grapple with questions of how to strike a balance between individual liberty and the need for authority to prevent chaos and ensure social cohesion.

Moreover, political theory explores the concept of justice, which involves the fair and equitable distribution of rights, resources, and opportunities within a society. Different theories of justice, such as utilitarianism, egalitarianism, and libertarianism, offer diverse perspectives on what constitutes a just society and how to achieve it.

Overall, political theory provides valuable insights into the nature of politics and governance, offering frameworks for understanding the principles, values, and institutions that shape human societies.

Answer the following Questions from the passage:-

- What is the significance of political theory in the field of political science? Explain with examples.
- Discuss the concept of the social contract as proposed by Thomas Hobbes, John Locke, and Jean-Jacques Rousseau. How do their theories differ?
- How do political theorists address the tension between individual liberty and authority? Provide examples from political theory.

Part-3 – Application skills of Subject Tools & Concepts

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

Diagram:

- Make a diagram on Justice and Its Forms

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

- Assertion (A):** The social contract theory proposed by political philosophers such as Thomas Hobbes, John Locke, and Jean-Jacques Rousseau explores the hypothetical agreement between individuals to form a society and submit to its authority for mutual benefit.

Reason (R): The social contract theory offers insights into the origins of political authority and the rights and obligations of citizens within a society.

Codes:

- 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):** Political theory seeks to address fundamental questions about the nature of politics, the legitimacy of authority, and the principles of justice and equality.

Reason (R): Political theory provides frameworks, concepts, and ideas to analyze and understand the complexities of governance, power, and society.

Codes:

- 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. Write down two definitions of Political Theory.
2. Write any two definitions of modern view of Politics.
3. Describe the origin of the word 'Political Science'.
4. What do you mean by Political Theory?
5. Discuss the importance of Political Theory.

Q.7. Answer the following Long Answer Type Questions

1. Difference between Political Science and Political theory?
2. What do you mean by Political Theory? Discuss its nature.
3. Discuss the significance and utility of Political Theory.
4. Define Politics Discuss major concerns of Politics.
5. Make a distinction between Indian view of Political Theory and Greek view of Political Theory.

Part-4 – Learning Homework

- **Learning Homework:** Learn Ch- 1 to 3 From Text Book/Notebook.



R.E.D. Group of Schools

Revision Assignment-5

Class: 11th

Ch. No.: 02 & 03

Subject: Political Science

Ch. Name: 1. Freedom & 2. Equality

Part-1 – for Vocabulary skills

Q.1. Define the following Key Terms:.

- | | |
|------------------------|-------------------------|
| (i) Liberty: | (vi) Equity |
| (ii) Autonomy | (vii) Justice |
| (iii) Civil Liberties | (viii) Inclusivity |
| (iv) Individual Rights | (ix) Non-discrimination |
| (v) Political Rights | (x) Social Justice |

Part-2 – Reading skills

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

Passage

Freedom is a fundamental concept that lies at the heart of democratic societies. It encompasses the ability of individuals to act, think, and express themselves without undue interference or constraint. In democratic nations, freedom is often enshrined in laws and constitutions, guaranteeing citizens certain rights and liberties.

One of the most cherished freedoms is freedom of speech, which allows individuals to express their opinions, ideas, and beliefs without fear of censorship or reprisal. This freedom is essential for fostering open debate, dialogue, and the exchange of ideas, which are crucial components of a vibrant democracy.

Similarly, freedom of the press plays a vital role in holding governments accountable and ensuring transparency and accountability in governance. A free and independent media serves as a watchdog, exposing corruption, abuses of power, and violations of human rights, thus safeguarding democracy and promoting the public interest.

Moreover, freedom of religion grants individuals the right to practice, profess, and propagate their religious beliefs without discrimination or persecution. This freedom ensures religious pluralism and tolerance, allowing individuals to worship according to their conscience and participate fully in society.

However, it is essential to recognize that freedom is not absolute and may be subject to limitations in certain circumstances. Restrictions on freedom may be justified to protect public safety, national security, or the rights and freedoms of others. Balancing individual freedom with collective interests is a complex and ongoing challenge in democratic societies.

In conclusion, freedom is a cornerstone of democracy, empowering individuals to live with dignity, autonomy, and self-expression. Safeguarding and promoting freedom is essential for the preservation of democracy and the advancement of human rights and social justice.

Answer the following Questions from the passage:-

- Define the concept of freedom and its importance in democratic societies. ?
- Explain the significance of freedom of speech in a democratic society. How does it contribute to the functioning of democracy?
- Discuss the role of freedom of the press in holding governments accountable and promoting transparency in governance.

Part-3 – Application skills of Subject Tools & Concepts

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

Diagram:

- Make a diagram on Equality and its dimensions.

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

- Assertion (A):** Freedom of speech is essential for the functioning of a democratic society.
Reason (R): Freedom of speech allows individuals to express their opinions, ideas, and beliefs without fear of censorship or reprisal, fostering open debate and dialogue, which are crucial components of democracy.

Codes:

- 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):** Equality is a fundamental principle that ensures fair treatment and opportunities for all individuals, regardless of their race, gender, religion, or socioeconomic status.

Reason (R): Equality promotes social cohesion, justice, and the overall well-being of society by reducing discrimination, inequality, and marginalization.

Codes:

- 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 modern view of Political Science?
2. Write a short note on 'Political Liberty'.
3. Mention any two pre-conditions which are essential for individual freedom.
4. What is Social Equality?
5. Mention any two kinds of Equality.

Q.7. Answer the following Long Answer Type Questions

1. Mention any two pre-conditions which are essential for an individual to enjoy Liberty.
2. Explain the concepts of Liberty.
3. Discuss the kinds of Liberty.
4. What do you understand by the term 'Equality'?
5. Discuss the different kinds of Equality.

Part-4 – Learning Homework

- **Learning Homework:** Learn Ch- 1 to 3 From Text Book/Notebook.



R.E.D. GROUP OF SCHOOLS

Summer Holidays Homework

SESSION: 2024-25

Class: 11th

Subject: Geography

Text Book: Fundamental of Physical Geography

1. Syllabus Covered up to MAY END

- Chapter No.- 1 Geography as a discipline
- Chapter No.- 2 The origin and evolution of the earth
- Chapter No.- 3 Interior of the earth
- Chapter No.- 4 Distribution of the ocean and continents
- Chapter No.- 6 Geomorphic processes
- Chapter No.- 7 Landforms and their evolution

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

- Physical Geography nature and scope
- Sources of information about the interior
- Structure of the earth
- Continental drift
- Geomorphic processes
- Landforms and their evolution

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. 9 (Solar Radiation) and 10 (Atmospheric Circulation).
 - 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:**
 - i. Location of Village
 - ii. Population structure of village (Male / Female)

iii. Social Structure of Village (Jati)

• **Section – E: Chart Work**

Topic	Roll No.
Branches of Geography	Roll Number - 01
Volcanic Land Forms	Roll Number - 02
Running Water, Land Forms	Roll Number - 03
Soil and its type	Roll Number - 04
Erosional Land Form of River	Roll Number - 05
Erosional land Form of Glacier	Roll Number - 06
Depositional Land Form of Glacier	Roll Number - 07
Interior of the Earth	Roll Number – 08
Erosional Land Form of Wind	Roll Number – 09
Solar System	Roll Number - 10

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

Revision Assignment-1

Class: 11th

Ch. Name: Geography as a Discipline

Subject: Geography

Ch. No.: 1

Part-1 – for Vocabulary skills

Q.1. Define the following Key Terms:

- | | |
|-------------------------|-------------------------|
| (i) Geography | (vi) Hydrology |
| (ii) Environment | (vii) Primitive Society |
| (iii) Natural Resources | (viii) Temporal |
| (iv) Anthropology | (ix) Ecology |
| (v) Geoid | (x) Hierarch |

Part-2 – Reading skills

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

Dualism is one of the main characteristics of geography which got introduced from the very beginning. This dualism depended on the aspect emphasised in the study. Earlier scholars laid emphasis on physical geography.

But human beings are an integral part of the earth's surface. They are part and parcel of nature. They also have contributed through their cultural development. Thus developed human geography with emphasis on human activities.

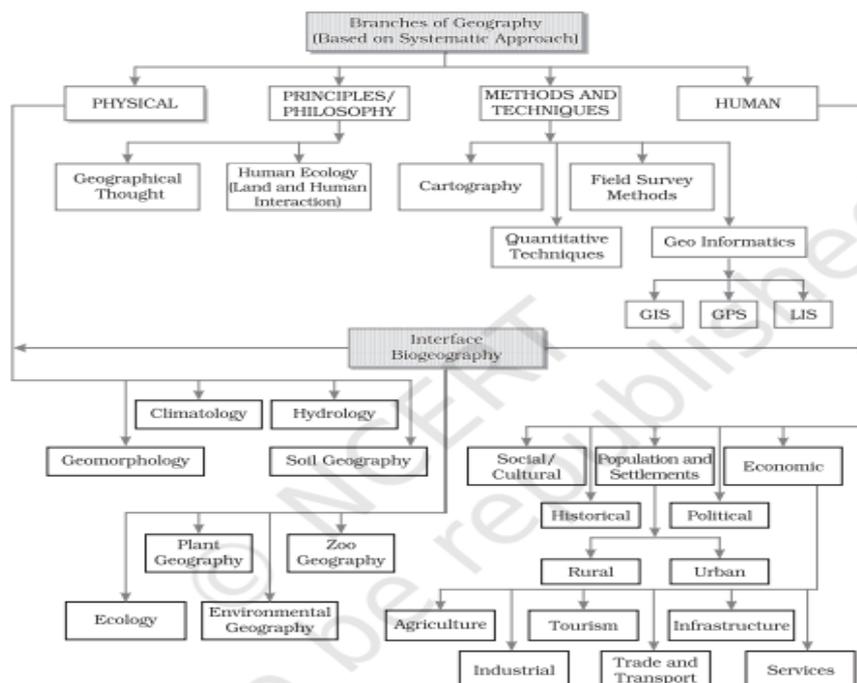
The study of every subject is done according to some approach. The major approaches to study geography have been (i) Systematic and (ii) Regional. The systematic geography approach is the same as that of general geography. This approach was introduced by Alexander von Humboldt, a German geographer (1769-1859) while regional geography approach was developed by another German geographer and a contemporary of Humboldt, Karl Ritter (1779-1859).

Answer the following Questions from the passage: -

- (A) What is dualism?
(B) Who are the integral part of the earth's surface?
(C) Who gave the regional approach?

Part-3 – Application skills of Subject Tools & Concepts

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



- What is the relationship between Physical Geography and Human Geography?
- What will be study in climatology.
- How Geo informatics is very important for human?

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

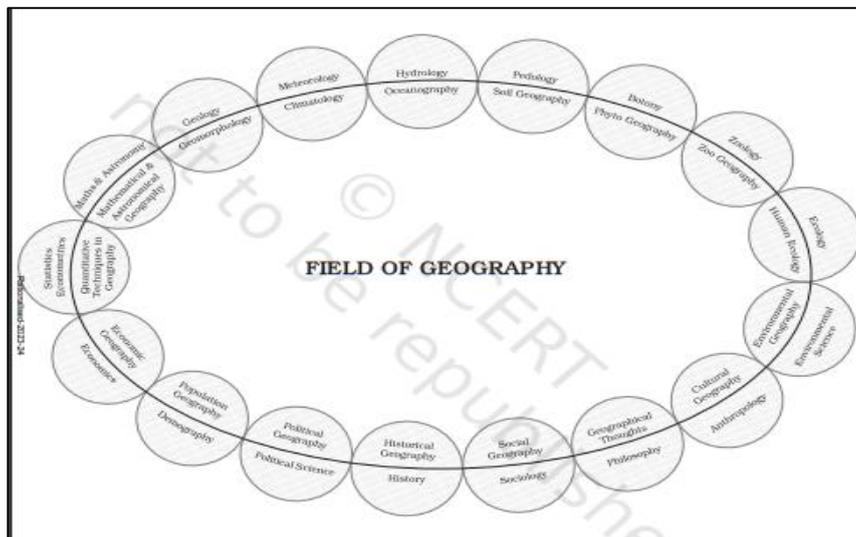
- Assertion (A): Geography is considered a bridge between the natural and social sciences.**
Reason (R): Geography studies both the physical features of the Earth and the human societies spread across it, and how they interact with their environment.

 - 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.
- Assertion (A): Geographers only focus on mapping the physical features of the Earth.**
Reason (R): The primary aim of geography is to understand the spatial organization and interrelationships between the natural environment and human activities.

 - 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

- What is Geo?
- What is Economic Geography?
- What are the three features of systematic geography?
- What are the two ways of studying geographic problems?
- Explain the significance of geography as an interdisciplinary field of study.

Q.7. Answer the following Long Answer Type Questions

- Discuss the methods and techniques of geography study.
- Describe the subfield of human geography.
- Describe physical Geography and its importance.
- What is relationship between physical geography and Human Geography?
- Which are various fields of Geography.

Part-4 – Learning Homework

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



R.E.D. Group of Schools

Revision Assignment-2

Class: 11th

Subject: Geography

Ch. Name: Origin & Evolution of the Earth

Ch. No.: 2

Part-1 – for Vocabulary skills

Q.1. Define the following Key Terms:

- | | |
|----------------|----------------------|
| (i) Universe | (vi) Nebula Big-Bang |
| (ii) Galaxies | (vii) Planetesimals |
| (iii) Planets | (viii) Asteroids |
| (iv) Expansion | (ix) Atmosphere |
| (v) Light Year | |

Part-2 – Reading skills

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

A large number of hypotheses were put forth by different philosophers and scientists regarding the origin of the earth. One of the earlier and popular arguments was by German philosopher Immanuel Kant. Mathematician Laplace revised it in 1796. It is known as Nebular Hypothesis. The hypothesis considered that the planets were formed out of a cloud of material associated with a youthful sun, which was slowly rotating. Later in 1900, Chamberlain and Moulton considered that a wandering star approached the sun. As a result, a cigar-shaped extension of material was separated from the solar surface. As the passing star moved away, the material separated from the solar surface continued to revolve around the sun and it slowly condensed into planets. Sir James Jeans and later Sir Harold Jeffrey supported this argument. At a later date, the arguments considered of a companion to the sun to have been coexisting. These arguments are called binary theories. In 1950, Otto Schmidt in Russia and Carl Weizas car in Germany somewhat revised the ‘nebular hypothesis’, though differing in details. They considered that the sun was surrounded by solar nebula containing mostly the hydrogen and helium along with what may be termed as dust.

Answer the following Questions from the passage: -

- (A) What is nebular hypothesis?
- (B) Who supported Chamberlain and Moulton argument related to the evolution of the earth?
- (C) Who revised the nebular hypothesis?

Part-3 – Application skills of Subject Tools & Concepts

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

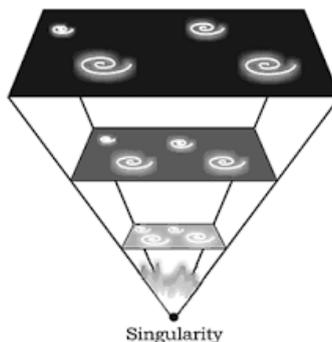


Figure 2.1 : The Big Bang

- (i) Describe the Big Bang Theory.
- (ii) What is Singularity?

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

(i) **Assertion (A): The uppermost layer over the Earth's surface is called Crust.**

Reason (R) : The thinnest layer of all the layers of the earth's surface is its uppermost layer.

- 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): Any natural mass of mineral matter that makes up the Earth's crust is called a rock.**

Reason (R) : Earth's crust is made up of various gasses and chemical substances.

- 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. Draw a diagram on Solar System.

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

1. What do you mean by seismic shadow zone? What is its significance?
2. Inner planets are terrestrial while outer planets are Jovian. Why?
3. Why are the terrestrial planets rocky?
4. What is meant by the process of differentiation?
5. What was the nature of the earth surface initially?

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

1. How is it that the knowledge about interior of the earth is based on indirect observations?
2. What is the significance of curved paths of earthquake waves with respect to the interior of the earth?
3. Describe Nebular Hypothesis.
4. Compare the Inner planet outer planet.
5. What do you mean by Big-Bang theory?

Part-4 – Learning Homework

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



R.E.D. Group of Schools

Revision Assignment-3

Class: 11th

Ch. Name: Interior of the Earth

Subject: Geography

Ch. No.: 3

Part-1 – for Vocabulary skills

Q.1. Define the following Key Terms:

- | | |
|-----------------------|--------------------|
| (i) Configuration | (vi) Shadow zone |
| (ii) Earthquake | (vii) Collapse |
| (iii) Gravity anomaly | (viii) Avalanches |
| (iv) Primary waves | (ix) Richter scale |
| (v) Lithosphere | (x) Volcanoes |

Part-2 – Reading skills

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

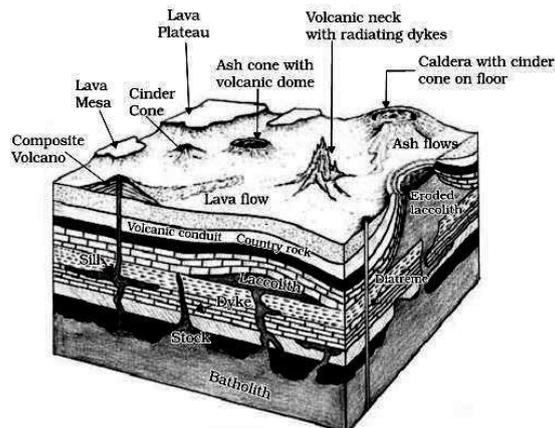
The other indirect sources include gravitation, magnetic field, and seismic activity. The gravitation force (g) is not the same at different latitudes on the surface. It is greater near the poles and less at the equator. This is because of the distance from the centre at the equator being greater than that at the poles. The gravity values also differ according to the mass of material. The uneven distribution of mass of material within the earth influences this value. The reading of the gravity at different places is influenced by many other factors. These readings differ from the expected values. Such a difference is called gravity anomaly. Gravity anomalies give us information about the distribution of mass of the material in the crust of the earth. Magnetic surveys also provide information about the distribution of magnetic materials in the crustal portion, and thus, provide information about the distribution of materials in this part.

Answer the following Questions from the passage: -

- (A) What are the indirect sources to know about the interior of the earth?
(B) What is gravitational force?
(C) What is gravity anomaly?

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) How Cinder Cone formed?
(ii) Listed main Volcanic Landforms.

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

(i) Assertion (A) : Inside the earth metals are present in molten state.

Reason (R) : Earth absorbs the sun's rays.

- 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):** Earthquakes are caused by the sudden release of energy in the Earth's crust.
Reason (R): Tectonic plates are constantly moving and sometimes get stuck, leading to the accumulation of energy.
- 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.

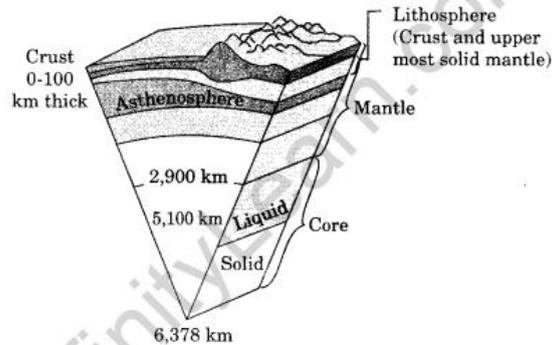


Fig: The interior of the earth

Q.6. Answer the following Short Answer Type Questions

1. What are body waves?
2. Name the direct sources of information about the Interior of the Earth.
3. What is Batholiths?
4. What is Core?
5. What is Asthenosphere?

Q.7. Answer the following Long Answer Type Questions

1. Why do earthquake waves develop shadow zone?
2. Briefly explain the indirect sources of information of the interior of the earth other than those of seismic activity?
3. Write down Intrusive Volcanic Land Forms
4. Write down effect of Earthquake.
5. Write a brief note on Structure of the Earth.

Part-4 – Learning Homework

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



R.E.D. Group of Schools

Revision Assignment-4

Class: 11th

Ch. Name: Distribution of Oceans and Continents

Geomorphic process

Subject: Geography

Ch. No.: 4 & 6

Part-1 – for Vocabulary skills

Q.1. Define the following Key Terms:

- | | |
|--------------------------|---------------------------|
| i. Pangaea | vi. Convergent boundaries |
| ii. Panthalassa | vii. Endogenic force |
| iii. Continent | viii. Diastrophism |
| iv. Convectional Current | ix. Denudation |
| v. Abyssal Plain | x. Weathering |

Part-2 – Reading skills

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

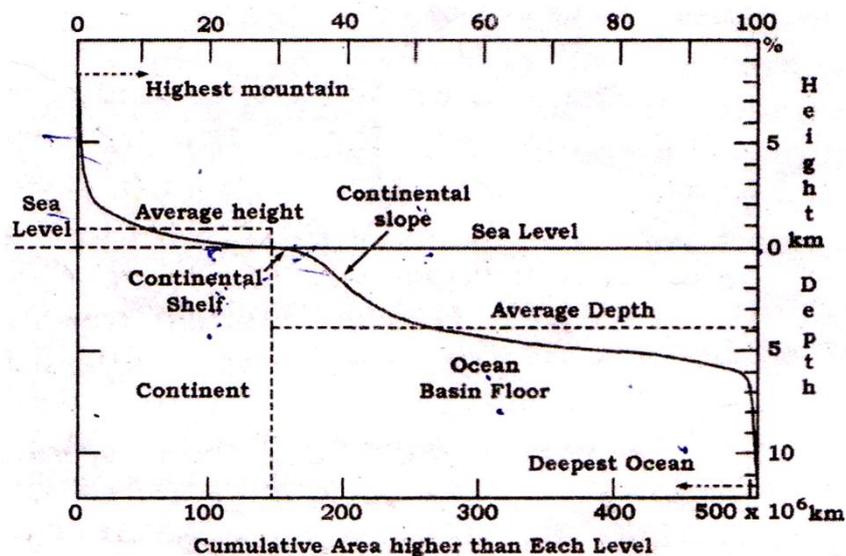
Since the advent of the concept of sea floor spreading, the interest in the problem of distribution of oceans and continents was revived. It was in 1967, McKenzie and Parker and also Morgan, independently collected the available ideas and came out with another concept termed Plate Tectonics. A tectonic plate (also called lithospheric plate) is a massive, irregularly-shaped slab of solid rock, generally composed of both continental and oceanic lithospheres. Plates move horizontally over the asthenosphere as rigid units. The lithosphere includes the crust and top mantle with its thickness range varying between 5 and 100 km in oceanic parts and about 200 km in the continental areas. A plate may be referred to as the continental plate or oceanic plate depending on which of the two occupy a larger portion of the plate. Pacific plate is largely an oceanic plate whereas the Eurasian plate may be called a continental plate. The theory of plate tectonics proposes that the earth's lithosphere is divided into seven major and some minor plates. Young Fold Mountain ridges, trenches, and/or faults surround these major plates

Answer the following Questions from the passage: -

- (A) Describe the concept of Sea floor spreading?
(B) Who was the founder of Plate tectonics theory?
(C) What is Lithospheric plate?

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 continental shelf.
(ii) Which are main division of ocean floor.

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

i. **Assertion (A): Thin and younger sediments on the ocean floor system.**

Reason (R): Sea floor spreading at the boundaries leading to creation of new floor.

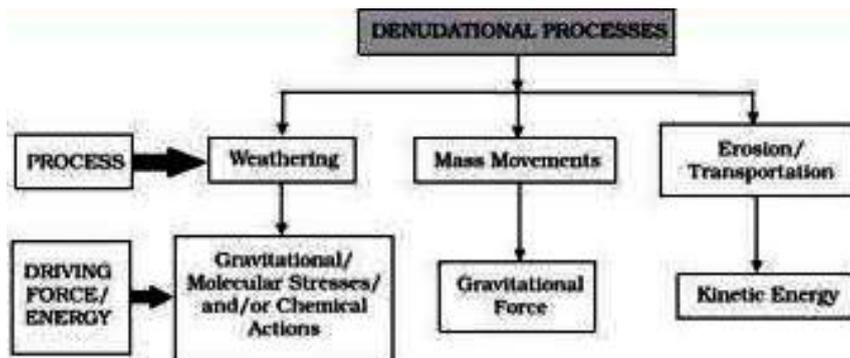
- A. Both A and R are true and R is the correct explanation of A.
- B. Both A and R are true but R is NOT the correct explanation of A.
- C. A is true but R is false.
- D. A is false but R is true.

ii. **Assertion (A) : The continents are considered as floating on the denser layers of rocks.**

Reason (R) : The continents are made up of lighter rocks.

- 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. Which plate is composed of mainly oceanic crust?
2. Who first Propounded the theory for continental drift?
3. How did the Himalayas rise?
4. What is exfoliation?
5. What is Mass movement?

Q.7. Answer the following Long Answer Type Questions

1. What is Significance of Weathering
2. What are Hot spots? locate main Hot Spots Areas in world map?
3. How did soil formation held?
4. Describe briefly Plate Tectonics Theory?
5. What is continental drift theory?

Part-4 – Learning Homework

- **Learning Homework:** Learn Ch-4 & Ch-6 From Text Book / Notebook.



R.E.D. Group of Schools

Revision Assignment-5

Class: 11th

Subject: Geography

Ch. Name: Landforms and Their Evolution

Ch. No.: 7

Part-1 – for Vocabulary skills

Q.1. Define the following Key Terms:

- | | |
|-----------------|------------------------|
| i. Linear floor | vi. Entrenched meander |
| ii. Degradation | vii. Distributaries |
| iii. Valley | viii. Channel |
| iv. canyon | ix. Unconsolidated |
| v. Depression | x. Delta |

Part-2 – Reading skills

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

Landforms are the natural physical features on the Earth's surface, shaped by various geological processes over time. These processes include weathering, erosion, deposition, volcanic activity, and tectonic movements.

Weathering is the breakdown of rocks due to exposure to atmospheric conditions. It can be physical, involving the mechanical breakdown of rocks, or chemical, involving changes in the rock's minerals through chemical reactions.

Erosion involves the removal and transportation of weathered material by agents such as water, wind, ice, and gravity. Rivers, for example, carve valleys and shape landscapes through hydraulic action and abrasion.

Deposition occurs when eroded materials are dropped by the agents of erosion. This leads to the formation of landforms like deltas, sand dunes, and moraines.

Volcanic activity creates landforms such as mountains and islands when magma from eruptions solidifies into rock.

Tectonic movements involve the shifting of the Earth's lithospheric plates, leading to the formation of mountain ranges, ocean basins, and earthquakes. Plate tectonics is a key driver of landform evolution.

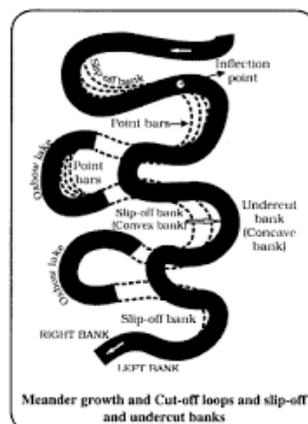
The study of these processes and their impact on the Earth's surface is called geomorphology.

Answer the following Questions from the passage: -

- (A) What are landforms?
(B) Name two types of weathering and describe how they differ.
(C) What role do rivers play in shaping landscapes?

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 Meanders?
(ii) Which conditions are required for meander formation?

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

i. **Assertion (A): Complexity of landform evolution is more common than simplicity**

Reason (R) : Structure plays a vital role in the evolution of landforms

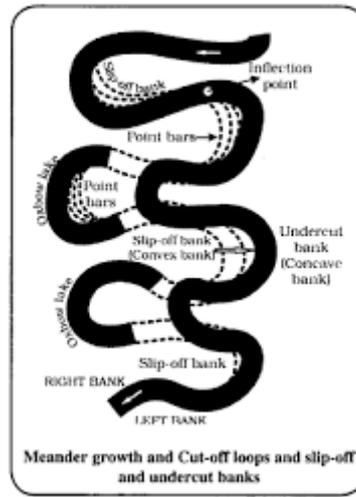
- A. Both A and R are true and R is the correct explanation of A.
- B. Both A and R are true but R is NOT the correct explanation of A.
- C. A is true but R is false.
- D. A is false but R is true.

ii. **Assertion(A): The Earth has an infinite variety of landforms.**

Reasons(R): These landforms are the result of two processes, internal processes and external processes.

- 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 Geomorphic Process?
2. Listed main erosional landforms of Glacier?
3. Explain the evolution of valley sinks or Uvalas?
4. How did wind perform its tasks in desert area?
5. What are sand Dunes?

Q.7. Answer the following Long Answer Type Questions

6. Explain Running water erosion and depositional landforms with diagram?
7. What are main depositional landforms of Glacier? Explain in detail.
8. How did Playas formed?
9. What is Eskers?
10. Glacier valley show up many linear depositional landforms. Give their locational names.

Part-4 – Learning Homework

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

Summer Holidays Homework

SESSION: 2024-25

CLASS – 11th

Subject: Economics

Text Book: Micro Economics

1. Syllabus Covered upto MAY END

- Chapter No.- 01, Introduction to Micro Economics
- Chapter No.- 02, Consumer's Equilibrium
- Chapter No.- 03, Demand
- Chapter No.- 04, Elasticity of Demand
- Chapter No.- 05, Production Function
- Chapter No.- 06, Cost

2. List of all new concepts taught upto MAY END

- Meaning of Micro Economics and meaning of Macro Economics
- Positive and Normative economics
- Center problem of an economy
- Production possibility frontier
- Opportunity cost
- Consumer Equilibrium
- Marginal utility
- Law of diminishing utility
- Indifference curve
- Budget line
- Demand
- Determinants of demand
- Demand schedule, curve
- Price elasticity of demand
- Percentage change method, expenditure method
- Production function
- Total cost, first cost, variable cost, marginal cost

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. 07 and 08.

6. Instruction/Guidelines for Written Homework

- **Section – B:** Do the given Assignments on A4 sheets
- **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 5 (Make in India)
 - Topic: Roll no 6 to 10 (Cashless Economy)
- **Section – E: Chart Work**
 - Topic: Roll no 1 to 5 (Digital India)
 - Topic: Roll no 6 to 10 (Role of R.B.I)



R.E.D. Group of Schools

Revision Assignment-1

Class: 11th
Ch. No.: 01

Subject: Economics
Ch. Name: Introduction of Economy

Part-1 – for Vocabulary skills

Q.1. Define the following Key Terms:

- | | | |
|----------------------------------|-------------------------|--------------------------|
| (i) Scarcity | (ii) Economic problem | (iii) Economics |
| (iv) Economy | (v) Positive Economics | (vi) Normative Economics |
| (vii) Center problem | (viii) Opportunity Cost | (ix) Micro Economics |
| (x) Production possibility curve | | |

Part-2 – Reading skills

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

Passage

Each economy has scarce resources and will have possibility of being exhausted gradually after a continuous use. Growth of resources, therefore, becomes a basic problem of the economy. It can achieve this objective through technological advancement. Under-developed countries like India, Pakistan and Thailand etc. have remained poor because of poor growth of their resources. Besides fuller utilization of resources, these countries should try to raise their productive capacities, by exploring further availability of natural resources and discovering better techniques for their use. Moreover, full use of productive capacity is also indispensable for the growth of the economy. Since economic theory is classified into Micro and Macro Theory. Microeconomic theory deals with the allocation of resources in the market economy. In this theory, decisions regarding ‘what’, ‘how’ and ‘for whom’ to produce are decided on the basis of price mechanism. Goods are freely bought and sold in the market economy on an agreed price. Macroeconomic theory deals with the fuller and efficient use of resources. It also deals with the growth of resources and problems relating saving, investment, inflation, unemployment etc. Development economics deals with the problem of growth of resources.

Answer the following Questions from the passage:-

- (A) Which is a central problem of an economy?
(B) To which factor, economic problem is basically related to:
(C) Macro Economics deals with the

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) PPC
b) Shift in transformation curve.

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

(i) **Assertion (A): Tools of Micro economics are demand and supply.**

Reason (R): micro Economics study behavior of individual unit.

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

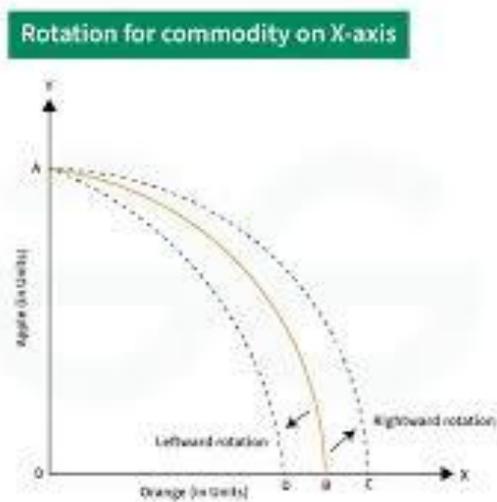
(ii) **Assertion (A): PPF is concave shape curve.**

Reason (R): PPF shows all the possible maximum combination of two goods. Which can be produced with available resources and technology.

- (1) Both Assertion (A) and Reason (R) are true, and Reason (R) is the correct explanation of the Assertion (A).
- (2) Both Assertion (A) and Reason (R) are true, but Reason (R) is not the correct explanation of the Assertion (A).
- (3) Assertion (A) is true, but Reason (R) is false.
- (4) 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) Discuss the concept of opportunity cost.
- b) How to you solve the problem of what to produce, how to produce and for whom to produce?
- c) What do you understand by economic problem?
- d) What will be the effect on PPC of "SWACH BHARAT ABHIYAN" .
- e) Explain Micro economics in your own word.

Q.7. Answer the following Long Answer Type Questions

- A. What are the central problems of an economy?
- B. Differentiate between microeconomics and macroeconomics.
- C. What are the difference between positive and normative economics?
- D. Explain the concept of economy.
- E. Explain the production possibility frontier.

Part-4 – Learning Homework

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



R.E.D. Group of Schools

Revision Assignment-2

Class: 11th
Ch. No.: 02

Subject: Economics
Ch. Name: Consumer's Equilibrium

Part-1 – for Vocabulary skills

Q.1. Define the following Key Terms:

- | | | |
|-------------------------|----------------------------|--|
| (i) Utility | (ii) Cardinal Utility | (iii) Budget Line |
| (iv) Indifference Curve | (v) Consumer's Equilibrium | (vi) Law of Diminishing Marginal Utility |
| (vii) Indifference Map | (viii) Budget Set | (ix) Marginal Utility |
| (x) Total Utility | | |

Part-2 – Reading skills

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

Passage

A consumer is an economic agent who uses goods and services for the direct satisfaction of his / her wants. Consumer consists of institution, individuals and groups of individuals or households. Consumer behaviour refers to the way in which consumers spend their income. The consumer derives utility from his expenditure. The consumer chooses his expenditures and maximums his utility with the given income and given prices of goods and services. Consumption of goods and services leads to satisfaction of human wants. This satisfaction is called "Utility". Utility may be defined as "satisfaction derived from the consumption of a commodity" or it may be defined as "want-satisfying power of a commodity". Total Utility (TU) It is the sum total of utility derived from the consumption of all the units of a commodity. Marginal Utility (MU). It refers to additional utility on account of the consumption of an additional unit of a commodity.

Answer the following Questions from the passage:-

- (A) Utility in economics means?
- (B) Marginal utility is?
- (C) Total Utility is.....

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) Relation between Total utility and Marginal utility
- b) Consumer's Equilibrium using ordinal utility approach

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

DIRECTIONS:

- (a) If both Assertion and Reason are true and Reason is the correct explanation of Assertion.
- (b) If both Assertion and Reason are true but reason is not the correct explanation of Assertion.
- (c) If Assertion is true but Reason is false.
- (d) If Assertion is false and Reason is true.

(i) **Assertion (A) :**

Marginal Utility can never be negative

Reason (R) :

Total Utility is maximum when Marginal Utility is zero.

(ii) **Assertion (A) :**

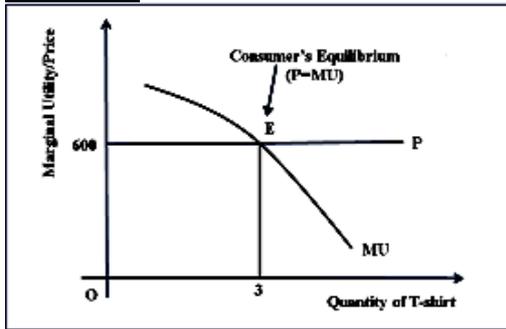
Slope of Budget Line is represented by price Ratio

Reason (R) :

Budget line slopes downwards as more of one good can be bought by decreasing some units of the other goods.

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

Picture :-



Q.6. Answer the following Short Answer Type Questions

1. Define Budget line and Budget set.
2. What is the difference budget line and budget set?
3. What do you mean by Monotonic preferences?
4. Explain why the budget line is downward sloping.
5. What do you mean by Law of Diminishing Marginal Utility?

Q.7. Answer the following Long Answer Type Questions

1. What does a point on the Budget line indicate in terms of prices?
2. Define the following terms:
 - a. MU
 - b. TU
 - c. Initial Utility
3. Explain conditions determining how units of a good consumer may buy at a given price.
4. Explain why an indifference curve is convex to the origin?
5. Define Marginal Rate of Substitution.

Part-4 – Learning Homework

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



R.E.D. Group of Schools

Revision Assignment-3

Class: 11th
Ch. No.: 03

Subject: Economics
Ch. Name: Demand

Part-1 – for Vocabulary skills

Q.1. Define the following Key Terms:

- | | | |
|----------------------|------------------------------|----------------------------------|
| (i) Demand | (ii) Quantity demanded | (iii) Demand schedule |
| (iv) Demand curve | (v) Law of Demand | (vi) Normal Goods |
| (vii) Inferior Goods | (viii) Shift in Demand Curve | (ix) Movement along Demand Curve |
| (x) Demand Function | | |

Part-2 – Reading skills

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

Passage If our income rises, we generally tend to buy more of the goods. More income would mean more pens, more shirts, more shoes, and more cars and so on. But there are exceptions. If initially, you are buying coarse grain, how would you take your increase in income now? Perhaps, as a first step, you would discard the consumption of inferiors. Surely, this happens in the deserts of Rajasthan where the rich minority eats wheat while the poor majority eats Bajra as their staple food.

Answer the following Questions from the passage:-

1. The law of demand does not apply to _____ goods. (Normal/ Giffen)
2. Inferior goods are those whose income effect is _____. (Negative/ Positive)
3. A fall in income of the consumer (in case of normal goods) will cause
4. As a result of rise in consumer's income, the demand curve for coarse-grain (inferior good)

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) Shift in Demand Curve
- b) Movement along Demand Curve

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

DIRECTIONS:

- (a) If both Assertion and Reason are true and Reason is the correct explanation of Assertion.
- (b) If both Assertion and Reason are true but reason is not the correct explanation of Assertion.
- (c) If Assertion is true but Reason is false.
- (d) If Assertion is false and Reason is true.

(i) Assertion (A) :

Cross demand is positive in case of substitute goods.

Reason (R) :

An increase in price of substitute goods leads to a decrease in demand for given commodity.

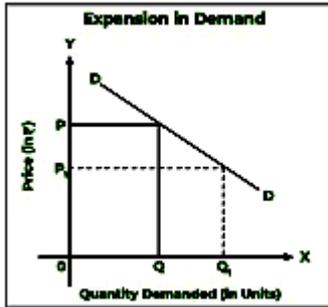
(ii) Assertion (A) :

Complementary goods have joint demand.

Reason (R) : Complementary goods are demanded simultaneously to satisfy a particular want.

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

Picture :-



Q.6. Answer the following Short Answer Type Questions

6. Define change a demand.
7. What is meant by increase in demand?
8. Give one reason for a rightward shift in demand curve.
9. When does decrease In demand take place?
10. Define substitute goods.

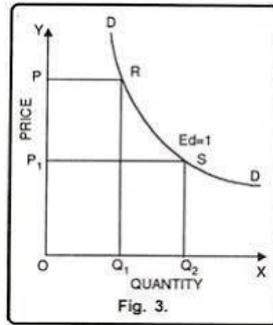
Q.7. Answer the following Long Answer Type Questions

6. Explain the causes behind law of demand.
7. Explain in brief the various exceptions to law of demand.
8. Explain the effect of the change in the prices of related goods on the demand for a given good.
9. Write the difference between normal and inferior goods.
10. What is market demand ? State four factor cause increase in market demand.

Part-4 – Learning Homework

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

Picture :-



following Short Answer Type Questions

Q.6. Answer the

- i. Mention three factors affecting price elasticity of demand.
- ii. When two demand curves intersect each other, which will be more elastic?
- iii. What do you mean by perfectly inelastic demand?
- iv. Why is demand for water inelastic?
- v. When is the demand for a good said to be perfectly elastic?

Q.7. Answer the following Long Answer Type Questions

- i. What happens to the total expenditure of a commodity when its price falls?
- ii. Discuss various factors affecting price elasticity of demand.
- iii. How is price elasticity of demand affected by the nature of the commodity?
- iv. Discuss the percentage method for calculating price elasticity of demand.
- v. What is meant by price elasticity of demand? Explain any two factors that affect it.

Part-4 – Learning Homework

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



R.E.D. Group of Schools

Revision Assignment-5

Class: 11th
Ch. No.: 05

Subject: Economics
Ch. Name: Production Function

Part-1 – for Vocabulary skills

Q.1. Define the following Key Terms:

- | | | |
|---------------------------------|--|-------------------|
| (i) Production Function | (ii) Total Product (TP) | (iii) Inputs |
| (iv) Marginal Product (MP) | (v) Variable Inputs | (vi) Fixed Inputs |
| (vii) Average Product (AP) | (viii) Law of Diminishing Marginal Returns | |
| (ix) Law of Variable Proportion | (x) Factors of Production | |

Part-2 – Reading skills

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

Passage

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

Passage: The production function relates the maximum amount of output that can be obtained from a given set of inputs. It represents the technological relationship between inputs and outputs in production.

Answer the following Questions from the passage:-

- (A) What does the production function represent?
- (B) What does the production function relate?
- (C) How is the production function useful in economics?

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) Identify the areas with high agricultural productivity.
- b) Compare the industrial production of two regions.

Graphs:

- a) Interpret the graph depicting Total Product (TP), Marginal Product (MP), and Average Product (AP).

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

DIRECTIONS:

- (a) If both Assertion and Reason are true and Reason is the correct explanation of Assertion.
- (b) If both Assertion and Reason are true but reason is not the correct explanation of Assertion.
- (c) If Assertion is true but Reason is false.
- (d) If Assertion is false and Reason is true.

(i) **Assertion (A) : As more units of a variable input are added to fixed inputs, the marginal product eventually decreases.**

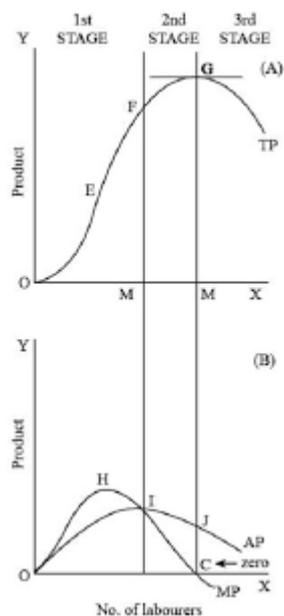
Reason (R) : The law of diminishing marginal returns explains this phenomenon.

(ii) **Assertion (A) : In the short run, at least one factor of production is fixed.**

Reason (R) : This is because production cannot be adjusted immediately to changes in demand.

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

Picture :-



Q.6. Answer the following Short Answer Type Questions

- i. What is a production function?
- ii. Define Total Product (TP).
- iii. What is meant by Marginal Product (MP)?
- iv. Explain the concept of Average Product (AP).
- v. What is the Law of Diminishing Marginal Returns?

Q.7. Answer the following Long Answer Type Questions

- i. Discuss the relationship between Total Product, Marginal Product, and Average Product.
- ii. How do fixed inputs and variable inputs affect production in the short run?
- iii. Explain the stages of production function with the help of a diagram.
- iv. What are the implications of the Law of Diminishing Marginal Returns for producers?
- v. Describe how the production function can be used to determine the most efficient combination of inputs.

Part-4 – Learning Homework

- **Learning Homework:** Learn Ch- 05 From Text Book/Notebook.

Summer Holidays Homework

SESSION: 2024-25

CLASS – 11th

Subject: Maths

Text Book: Elements

1. Syllabus Covered upto MAY END

- Chapter No.- 1 : Sets
- Chapter No.- 2 : Relations and Functions
- Chapter No.- 3 : Trigonometric Functions

2. List of all new concepts taught upto MAY END

- Concepts of a Sets
- Types of Sets, Operations on Sets
- Practical applications of Set Operations
- Cartesian product of Set, Types of Relations, Function as a special kind of relation
- Domain and Range of Function
- Measure of an angle
- Signs of trigonometric Functions, Trigonometric functions of allied angles
- Graph of a trigonometric Functions
- Transformation of a product into sum or difference

3. Summer Holiday Homework:

- Reading Homework:
 - **Section - A:** Pre-Reading Homework
- Written Homework:
 - **Section-B:** Chapter-wise Revision Assignment
 - **Section-C-** Lab Practicals
 - **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. 4 and 5.
 - 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
 - Set Operations Using Venn Diagrams
 - Distinguish a Relation and a Function
 - Graphs of $\sin x$, $\sin 2x$, $\sin x$ and $\sin x/2$
- **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. Set , Types and Operations	1 to 8
2. A Relation and a Function	9 to 16
3. Distinguish a Relation and a Function	17 to 24
4. Formulas of trigonometric Functions	25 to 32
5. Graphs of $\sin x$, $\cos x$ and $\tan x$	33 to 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.**

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

Q.7. Solve the following Puzzle/Sudoku Puzzle

- a) If $X = \{8^n - 7n - 1; n \in N\}$ and $Y = \{49n - 49; n \in N\}$. Then prove that $X \subset Y$.

Sudoku

- b) If P be the set of all positive prime integers and E be the set of all positive even integers, then find $P \cap E$.

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

- a) In a school there are 20 teachers who teach Mathematics or Physics. Of these, 12 teach mathematics and 4 teach both Physics and Mathematics. How many teach Physics?
- b) In a class of 35 students, 24 like to play cricket and 16 like to play football. Also, each student likes to play at least one of the two games. How many students like to play both cricket and football?
- c) In a group of people, 50 speak both English and Hindi and 30 people speak English but not Hindi. All the people speak at least one of the two languages. How many people speak English?

Q.9. Answer the following Short Answer Type Questions

- a) If A and B are finite sets such that $A \subset B$, then $n(A \cup B) = \underline{\hspace{2cm}}$.
- b) The symmetric difference of $A = \{1,2,3\}$ and $B = \{3,4,5\}$ is $\underline{\hspace{2cm}}$.
- c) Find the cardinal number of the set $A = \{1,2,2,1,3\}$.
- d) If A and B are two sets such that $n(A) = 115$, $n(B) = 326$, $n(A - B) = 47$, then write $n(A \cup B)$.
- e) If X and Y are two sets such that X has 21 elements, Y has 32 elements and $X \cap Y$ has 11 elements, how many elements does $X \cup Y$ have?

Q.10. Answer the following Long Answer Type Questions

- a) Given that $E = \{2,4,6,8,10\}$. If n represents any member of E, then write the following sets containing all numbers represented by.
 - $n + 1$
 - n^2
- b) Two finite sets A and B have m and k elements respectively. If the ratio of cardinal number of power set of
 - a. A to cardinal number of power set of B is $64 : 1$ and $n(A) + n(B) = 12$, then find the values of m and k .
 - c) If A = set of all rational numbers and $B = \{x : x^2 - 4x + 2 = 0\}$, then write down $A \cap B$, $A - B$ and $B - A$.
 - d) A and B are two sets such that $n(A - B) = 14 + x$, $n(B - A) = 3x$ and $n(A \cap B) = x$. If $n(A) = n(B)$, find
 - a. (i) the value of x
 - (ii) $n(A \cup B)$
 - e) If A and B be two sets containing 3 and 8 elements respectively, then find the minimum and the maximum number of elements in $A \cup B$.

Part-4 – Homework

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



R.E.D. Group of Schools

Revision Assignment-2

Class: 11th

Ch.No.: 02

Subject: Maths

Ch. Name : Relation & 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) Universal Relation |
| (iv) Logarithms | (v) Exponential | (vi) Polynomial |
| (vii) Signum Function | (viii) Power Function | (ix) Constant Function |
| (x) Roster Form | | |

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

- Domain and Range of a Relation
- Number of Functions from Set A to Set B

Part-2 – Reading skills

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

Passage: Gauri Shankar and Ravi are the students of class XI of RED School. Their mathematics teacher told them to collect the name of 5 students of class 9 and 4 students of class 8 for a project. They collected the names and write them in the form of sets as following:

$A = \{\text{Hari, Shyam, Madhuri, Ritika, Reena}\}$

$B = \{\text{Abhipsa, Satabrata, Sai, Parteek}\}$

Since discussion of relation and function was going on in their classes, they decided to explore these sets for various type of relation and functions.

Using the information answer the following

Answer the following Questions from the passage:-

- How many elements exist in set A and set B
- How many elements lie in $n(A \times B)$
- How many relation exist from set A to set B

Part-3 – Application skills of Subject Tools & Concepts

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

- How many elements lie in the empty relation?
- If $n(A)=3$ and $n(B)=2$ then find the total number of relations between set A and set B.
- If $A = \{1, 2, 3\}$, $B = \{4, 5\}$. Show that $A \times B \neq B \times A$.

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

- If $3x + 8 > 2$, x is an integer, then solution set is
 - $\{x : x > -2, x \text{ is an integer}\}$
 - $(-2, \infty)$
 - $\{-2, -1, 0, 1, 2, \dots\}$
 - \mathbb{Z} , the set of integer
- If $A = \{1, 2, 4\}$, $B = \{2, 4, 5\}$, $C = \{2, 5\}$, then $(A - B) \times (B - C)$ is
 - $\{(1, 2), (1, 5), (2, 5)\}$
 - $\{(1, 4)\}$
 - $(1, 4)$
 - none of these

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

- (i) **Assertion:** The relation R given by $R = \{(1,3),(4,2),(2,4),(2,3),(3,1)\}$ on a set $A = \{1,2,3,4\}$ is not symmetric
Reason: For symmetric relation $R=R^{-1}$
 (a) A is true but R is false
 (b) A is false and R is true
 (c) Both A and R are true and R is the correct explanation of A
 (d) Both A and R are true but R is not the correct explanation of A
- (ii) **Assertion:** If $(x+1, y-2) = (3,1)$
Reason: Two ordered pairs are equal, if their corresponding elements are equal
 (a) A is true and R is false
 (b) A is false but R is true
 (c) Both A and R are true and R is the correct explanation of A
 (d) Both A and R are true but R is not the correct explanation of A

Q.7. Solve the following Puzzle/Sudoku

Puzzle

- a) If R is a relation on the set $A = \{1, 2, 3, 4, 5, 6, 7, 8, 9\}$ given by $x R y \Leftrightarrow y = 3x$, then find R.

Sudoku

- b) Let $A = \{1, 2, 3\}$, $B = \{1, 3, 5\}$. If relation R from A to B is given by $R = \{(1, 3), (2, 5), (3, 3)\}$. Then find R^{-1} .

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

- a) Define the sum and difference of the identity function and the reciprocal function?
 b) Define the product of the identity function and the modulus function.
 c) Let $A = \{1,2,3,5\}$ and $B = \{2,4\}$, list the elements of R, if $R = \{(x,y): x - y \text{ is odd}\}$. Write R in roster form.

Q.9. Answer the following Short Answer Type Questions

- a) If $f(x) = \frac{x^2 - 3x + 1}{x - 1}$, find $f(-2) + f\left(\frac{1}{3}\right)$.
 b) Find the domain and range of the real function f defined by $f(x) = \frac{x - 2}{2 - x}$
 c) If the set A has p elements, B has q elements, then find the number of elements in $A \times B$.
 d) R is a relation from $\{11, 12, 13\}$ to $\{8, 10, 12\}$ defined by $y = x - 3$. Then find, R^{-1} .
 e) Let R be a relation on N defined by $x + 2y = 8$. Then find the domain of R.

Q.10. Answer the following Long Answer Type Questions

- a) If R is the relation "is greater than" from $A = \{1,2,3,4,6\}$ and $B = \{1,3,4\}$, write R as a set of ordered pairs. Also find inverse of R
 b) Find the domain of the function $f(x) = \sqrt{9 - x^2}$
 c) Find the domain for which the function $f(x) = 2x^2 - 1$ and $g(x) = 1 - 3x$ are equal.
 d) Let $A = \{x, y, z\}$ and $B = \{1, 2\}$. Find the number of relations from A into B.
 e) The Cartesian product $A \times A$ has 9 elements among which some elements are found $(-1, 0)$ and $(0, 1)$. Find the set A and remaining elements of $A \times A$.

Part-4 – Homework

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



R.E.D. Group of Schools

Revision Assignment-3

Class: 11th

Ch.No.: 03

Subject: Maths

Ch. Name : Trigonometric Functions

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) Trigonometry | (ii) Magnitude | (iii) Quadrant |
| (iv) Radian | (v) Constant angle | (vi) Measurements |
| (vii) Linear | (viii) Angular | (ix) Degrees |
| (x) Trigonometric ratios | | |

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

- Fundamental Trigonometric Identities
- Signs of Trigonometric Functions

Part-2 – Reading skills

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

Passage: The sum or difference of trigonometric functions can be transformed into a product of trigonometric functions by using the following formulas:

a) $\sin C + \sin D = 2 \sin \frac{C+D}{2} \cos \frac{C-D}{2}$

b) $\sin C - \sin D = 2 \cos \frac{C+D}{2} \sin \frac{C-D}{2}$

c) $\cos C + \cos D = 2 \cos \frac{C+D}{2} \cos \frac{C-D}{2}$

d) $\cos C - \cos D = 2 \sin \frac{C+D}{2} \sin \frac{D-C}{2}$

Based on the given information answer the following Questions :-

- The value $\sin 80^\circ - \sin 20^\circ$ is.
- The value of $\cos 15^\circ - \sin 15^\circ$.
- $\cos 51^\circ + \cos 81^\circ - \cos 21^\circ$ is equal to.

Part-3 – Application skills of Subject Tools & Concepts

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

- What is the maximum and minimum value of $\sin x$.
- Find the value of $\cos(-1710)$.
- Which trigonometric function are positive in the third quadrant.

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

- In a triangle ABC, the sides are 6 cm, 10 cm and 14 cm the obtuse angle of triangle will be:
(a) 120° (b) 110° (c) 130° (d) 150°
- Two sides of a triangle are $\sqrt{3}-1$ and $\sqrt{3}+1$ units and their included angle is 60° then third side will be :
(a) 7 (b) 6 (c) $\sqrt{6}$ (d) 8

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

- (i) Assertion (A) : Sine function is negative in third and fourth quadrant.
Reason (R) : $\sin x$ lies between -1 and 1 .
(a) A is true but R is false
(b) A is false and R is true
(c) Both A and R are true and R is the correct explanation of A
(d) Both A and R are true but R is not the correct explanation of A
- (ii) Assertion (A) : The degree measure of angle $\frac{\pi}{8}$ is 22° .
Reason (R) : π radians = 180° .
(a) A is true and R is false
(b) A is false but R is true
(c) Both A and R are true and R is the correct explanation of A
(d) Both A and R are true but R is not the correct explanation of A

Q.7. Solve the following Puzzle/Sudoku
Puzzle

a) Prove that $\tan^2 \theta - \sin^2 \theta = \tan^2 \theta \sin^2 \theta$.

Sudoku

b) Prove that $\sec^4 \theta - \sec^2 \theta = \tan^4 \theta + \tan^2 \theta$

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

- a) In a school there are 20 teachers who teach Mathematics or Physics. Of these, 12 teach mathematics and 4 teach both Physics and Mathematics. How many teach Physics?
b) In a class of 35 students, 24 like to play cricket and 16 like to play football. Also, each student likes to play at least one of the two games. How many students like to play both cricket and football?
c) In a group of people, 50 speak both English and Hindi and 30 people speak English but not Hindi. All the people speak at least one of the two languages. How many people speak English?

Q.9. Answer the following Short Answer Type Questions

- a) If A and B are finite sets such that $A \subset B$, then $n(A \cup B) = \underline{\hspace{2cm}}$.
b) The symmetric difference of $A = \{1,2,3\}$ and $B = \{3,4,5\}$ is $\underline{\hspace{2cm}}$.
c) Find the cardinal number of the set $A = \{1,2,2,1,3\}$.
d) If A and B are two sets such that $n(A) = 115$, $n(B) = 326$, $n(A - B) = 47$, then write $n(A \cup B)$.
e) If X and Y are two sets such that X has 21 elements, Y has 32 elements and $X \cap Y$ has 11 elements, how many elements does $X \cup Y$ have?

Q.10. Answer the following Long Answer Type Questions

- a) Two finite sets A and B have m and k elements respectively. If the ratio of cardinal number of power set of
b) A to cardinal number of power set of B is $64 : 1$ and $n(A) + n(B) = 12$, then find the values of m and k.
c) If A = set of all rational numbers and $B = \{x : x^2 - 4x + 2 = 0\}$, then write down $A \cap B$, $A - B$ and $B - A$.
d) Prove that : $\sin(n+1)x \sin(n+2)x + \cos(n+1)x \cos(n+2)x = \cos x$.
e) If A and B be two sets containing 3 and 8 elements respectively, then find the minimum and the maximum number of elements in $A \cup B$.

Part-4 – Homework

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



R.E.D. Group of Schools

Revision Assignment-4

Class: 11th

Subject: Maths

Ch.No.: 03

Ch. Name : Trigonometric Functions

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) Tangent | (ii) Cosec | (iii) Sine |
| (iv) Multiplying | (v) Quadrant | (vi) Cosine |
| (vii) Linear | (viii) Angular | (ix) Degrees |
| (x) Difference | | |

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

- Transformation of a sum or difference into a product.
- Transformation of a Product into a sum or difference.

Part-2 – Reading skills

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

Passage: The formulae which express the trigonometric functions of the sum and difference of two real numbers (or angles) are given below:

- $\cos(A + B) = \cos A \cos B - \sin A \sin B$
- $\cos(A - B) = \cos A \cos B + \sin A \sin B$
- $\sin(A + B) = \sin A \cos B + \cos A \sin B$
- $\sin(A - B) = \sin A \cos B - \cos A \sin B$

Based on the above information answer the following Questions:-

- If $\sin A = \frac{3}{5}$, $0 < A < \frac{\pi}{2}$ and $\cos B = -\frac{12}{13}$, $\pi < B < \frac{3\pi}{2}$, then find the value of $\cos(A + B)$.
- $\sin A = \frac{3}{5}$, $0 < A < \frac{\pi}{2}$ and $\cos B = -\frac{12}{13}$, $\pi < B < \frac{3\pi}{2}$, then find the value of $(A - B)$.
- Evaluate $\sin \frac{\pi}{4} \cos \frac{\pi}{12} + \cos \frac{\pi}{4} \sin \frac{\pi}{12}$.

Part-3 – Application skills of Subject Tools & Concepts

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

- In which quadrant do 1190° angle lie?
- Find the radian measures corresponding to 25° measures:
- Find the degree measures corresponding to $(-4)^c$ radian measures.

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

- The quadrant in which $\theta = -1930^\circ$ lies is
(a) I (b) II (c) III (d) IV
- The degree measure of $\left(\frac{7\pi}{12}\right)$ radians is
(a) 105° (b) 120° (c) 135° (d) 150°

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

(i) Assertion (A) : The radian measure of angle 105° is $\frac{7\pi}{12}$.

Reason (R) : Radian measure = Degree measure $\times \frac{\pi}{180}$.

(a) A is true but R is false

(b) A is false and R is true

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

(d) Both A and R are true but R is not the correct explanation of A

(ii) Assertion (A) : If two equal arcs of different circles subtend angles of 60° and 75° at the center respectively, then the ratio of their radii is $5 : 4$.

Reason (R) : IN a circle of radius r , an arc of length l subtends an angle of $\frac{l}{r}$ radians at the center.

(a) A is true and R is false

(b) A is false but R is true

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

(d) Both A and R are true but R is not the correct explanation of A

Q.7. Solve the following Puzzle/Sudoku

Puzzle

a) Express the angular measurement of the angle of a regular octagon in degrees and radians.

Sudoku

b) Express both in degrees and radians, the angles of a triangle whose angles are to each other as $1 : 2 : 3$.

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

a) In a right angles triangle, the difference between two acute angles is $\frac{\pi}{18}$ in radian measure. Express the angles in degrees.

b) The angles of a triangle are in A.P. The number of degrees in the least is to the number of radians in the greatest as $60 : \pi$. Find the angles in degrees.

c) Find the degrees the angle subtended at the centre of a circle of diameter 50 cm by an arc of length 11 cm.

Q.9. Answer the following Short Answer Type Questions

a) Find the angle in radians through which a pendulum swings if its length is 75 cm and the tip describes an arc of length 21 cm.

b) The minute hand of a watch is 1.5 cm long. How far does its tip move in 40 minutes?

c) A cow is tied to a post by a rope. If the cow moves along a circular path keeping the rope always tight and describe 44 meters when it has traced out 72° at the center, find the length of the rope.

d) In a circle of diameter 40 cm, the length of a chord is 20 cm. Find the length of minor arc of the chord.

e) Find the angle between the minute hand of a clock and the hour hand when the time is 7 : 20 A.M.

Q.10. Answer the following Long Answer Type Questions

a) Find the distance from the eye at which coin of diameter 2 cm should be held so as just to conceal the full moon whose angular diameter is $31'$.

b) A circular wire of radius 3 cm is cut and bent so as to lie along the circumference of a hoop whose radius is 40 cm. Find in degree the angle which is subtended at the center of the hoop.

c) Meerut is 64 km from Delhi. Find the angle (in degrees) subtended at the center of the earth by the arc joining these two towns. The earth is regarded as a sphere of 6336 km radius.

d) The larger hand of a clock is 42 cm. long. How many centimeters does its extremity move in 20 minutes.

e) Find in degrees and radians the angle between the hour hand and the minute-hand of a clock when the time is half past three.

Part-4 – Homework

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



R.E.D. Group of Schools

Revision Assignment-5

Class: 11th

Ch.No.: 03

Subject: Maths

Ch. Name : Trigonometric Functions

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) Difference | (ii) Allied angle | (iii) Trigonometric functions |
| (iv) Quadratic | (v) Arc | (vi) Perimeter |
| (vii) Sector of a circle | (viii) n-sided polygon | (ix) Trapezium |
| (x) Cyclic quadrilateral | | |

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

- a) $\sin 2x =$
b) $\cos 2x =$

Part-2 – Reading skills

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

Passage: A mathematics teacher is discussing the trigonometric functions of multiples of numbers (angles) in his class. He writes the following formulae on the black board.

- $\sin 2A = 2 \sin A \cos A$
- $\cos 2A = \cos^2 A - \sin^2 A = 2\cos^2 A - 1 = 1 - 2\sin^2 A$.
- $\tan 2A = \frac{2 \tan A}{1 - \tan^2 A}$
- $\sin 2A = \frac{2 \tan A}{1 + \tan^2 A}$
- $\cos 2A = \frac{1 - \tan^2 A}{1 + \tan^2 A}$
- $\tan 3A = \frac{3 \tan A - \tan^3 A}{1 - 3 \tan^2 A}$
- $\sin 3A = 3 \sin A - 4 \sin^3 A$
- $\cos 3A = 4 \cos^3 A - 3 \cos A$

Based on the above information answer the following Questions:-

- (A) If $\sin x = \frac{3}{5}$ where $0 < x < \frac{\pi}{2}$, then the value of $\sin 2x$ is.
- (B) If $\tan x = -\frac{4}{3}$ and x lies in second quadrant, then $\cos \frac{x}{2}$ is equal to .
- (C) The value of $\tan \frac{\pi}{8}$ is.

Part-3 – Application skills of Subject Tools & Concepts

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

- Prove that: $\sin^4 x + \cos^4 x = 1 - 2\sin^2 x \cos^2 x$.
- Prove that: $\sqrt{\sec^2 x + \cos^2 x} = \tan x + \cot x$.
- Prove that: $\frac{\sin x}{1 + \cos x} + \frac{1 + \cos x}{\sin x} = 2 \cos x$.

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

- i) The quadrant in which $\theta = -1930^\circ$ lies is
(a) I (b) II (c) III (d) IV
- ii) The degree measure of $\left(\frac{7\pi}{12}\right)$ radians is
(a) 105° (b) 120° (c) 135° (d) 150°

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

- (i) Assertion (A) : The value of $2 \cos \frac{\pi}{13} \cos \frac{9\pi}{13} + \cos \frac{3\pi}{13} + \cos \frac{5\pi}{13}$ is 0.

Reason (R) : $2 \cos A \cos B = \cos (A+B) + \cos (A-B)$.

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

- (ii) Assertion (A) : The value of $\cos 75^\circ = \frac{\sqrt{6} - \sqrt{2}}{4}$.

Reason (R) : $\cos 75^\circ = \cos (45^\circ + 30^\circ) = \cos 30^\circ \sin 45^\circ - \sin 30^\circ \cos 45^\circ$.

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

Q.7. Solve the following Puzzle/Sudoku

Puzzle

- a) Prove that $2 \sec^2 x - \sec^4 x - 2 \operatorname{cosec}^2 x + \operatorname{cosec}^4 x = \frac{1 - \tan^8 x}{\tan^4 x}$.

Sudoku

- b) If $\tan^2 x = 1 - k^2$, show that $\sec x + \tan^3 x \operatorname{cosec} x = \pm(2 - k^2)^{3/2}$

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

- a) If $a \cos x + b \sin x = m$ and $a \sin x - b \cos x = n$, show that $a^2 + b^2 = m^2 + n^2$.
b) If $\tan x + \sin x = m$ and $\tan x - \sin x = n$, show that $(m^2 - n^2)^2 = 16mn$.
c) If $\sec x + \tan x = m$, obtain the values of $\sec x$, $\tan x$, and $\sin x$ in terms of m .

Q.9. Answer the following Short Answer Type Questions

- a) If $\sec \alpha = x + \frac{1}{4x}$, Prove that $\sec \alpha + \tan \alpha = 2x$ or $\frac{1}{2x}$.
b) If $\sin x + \sin^2 x = 1$; show that $\cos^4 x + \cos^2 x = 1$.
c) If $\cos x + \sin x = \sqrt{2} \cos x$; show that $\cos x - \sin x = \sqrt{2} \sin x$.
d) Prove that $\tan x + \cot x$ can never be equal to $\frac{3}{2}$.
e) Prove that $\sec^2 x + \cos^2 x$ can never be less than 2.

Q.10. Answer the following Long Answer Type Questions

- a) If $\cos x = \frac{1}{2} \left(a + \frac{1}{a} \right)$; show that $\cos 2x = \frac{1}{2} \left(a^2 + \frac{1}{a^2} \right)$.

- b) If $\tan \alpha = \frac{a}{b}$, prove that $b \cos 2\alpha + a \sin 2\alpha = b$.
- c) If $\tan(x+y) = \frac{3}{4}$ and $\tan(x-y) = \frac{8}{15}$; then show that $\tan 2x = \frac{77}{36}$.
- d) If $2 \cos \theta = x + \frac{1}{x}$, Prove that $2 \cos 3\theta = \left(x^3 + \frac{1}{x^3}\right)$.
- e) If $2 \sin \theta = x + \frac{1}{x}$, Prove that $\sin 3\theta + \frac{1}{2} \left(x^3 + \frac{1}{x^3}\right) = 0$.

Part-4 – Homework

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

Summer Holidays Homework

SESSION: 2024-25

CLASS – 11th

Subject: Computer Science

Text Book: Computer Science with Python

1. Syllabus Covered upto MAY END

- Chapter No.-1 Computer System Overview
- Chapter No.-2 Data Representation
- Chapter No -3 Boolean Logic
- Chapter No- 4 Introduction to Problem Solving
- Chapter No- 5 Getting started with Python
- Chapter No- 6 Python Fundamentals

2. List of all new concepts taught upto MAY END

- Computer system and Basic Computer Organisation
- Cache Memory
- Mobile System Organisation
- Types of Software
- Digital number system and Number conversions
- Character and String representation
- Logical Operations and Basic Logic gates
- Principle of Duality and Basic Theorems of Boolean Algebra
- DeMorgan's Theorem
- Problem solving cycle and designing algorithm
- Python Pluses and Minuses
- Working in Python
- Python Character set, variables, assignments and operators
- Simple input and output

3. Summer Holiday Homework:

- **Reading Homework:**
 - **Section - A:** Pre-Reading of Ch 7 & Ch-8
- **Written Homework:**
 - **Section – B:** Chapter-wise Revision Assignments
 - **Section – C:** Creative Project/ Model

4. Tools required for doing Homework:

- Text Book
- Notebook
- A4Sheets
- Resources as per project

5. Instruction/Guidelines for Reading Homework:

- **Section–A : Pre-Reading Homework**
 - Do the Pre-Reading of Chapter No.7 and 8
 - 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
 - * WAP to input two numbers and swap them
 - *WAP to input a number and print its cube
 - * WAP to find the average of three numbers
 - * WAP that generate the following output- 5
10
9
- Topic: Roll no 9 to 16
 - *WAP to find area of a triangle
 - * WAP to print table of any given number
 - *WAP to swap two numbers using a third variable.
 - * WAP that accept radius of a circle and find its area.

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

Revision Assignment-1

Class: 11th

Ch. No. 1

Subject: Computer Science

Ch. Name: Computer system overview

Part-1 – for Vocabulary skills

Q.1. Define the following Key Terms:

(i) RAM

(ii) ROM

(iii) Memory

(iv) Input Unit

(v) Output unit

(vi) Cache Memory

(vii) Software

(viii) Hardware

(ix) Operating System

(x) Utilities

Part-2 – Reading skills

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

Passage

Utilities are those helpful programs that ensure the smooth functioning of the computer. Utility programs or simply Utilities are meant to assist your computer.

1. Text editor- This utility program is used for creating, editing text files.

2. Backup Utility- This utility program facilitates the backing –up of disk. Back-up means duplicating the disk information so that in case of any damage, this backed up data may be used.

3. Compression Utility- This utility program facilitates compression of files. Large files can be compressed so that they take less storage area.

4. Disk Defragmentor- A file is fragmented when it becomes too large for your computer to store in a single location on a disk. Fragmented files slow down a computer.

Answer the following Questions from the passage:-

(A) Why we use disk defragmentor?

(B) What is backup?

(C) What is utility software?

Part-3 –Application skills of Subject Tools & Concepts

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

Diagram/Picture:

a) Draw diagram of IPO cycle

b) Basic computer organization

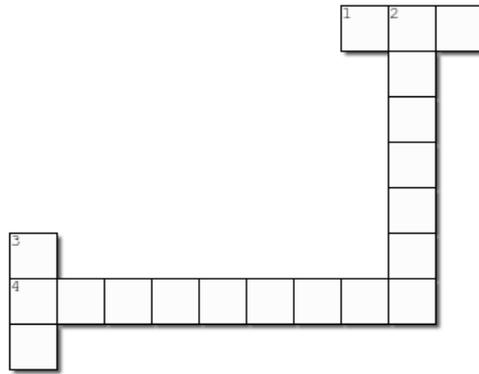
Flowchart:

a) None

Puzzle:

a)

Complete the crossword puzzle below



Created using the Crossword Maker on TheTeachersCorner.net

Across

- 1. brain of computer
- 4. converts the program written in assembly language into machine language

Down

- 2. hardware device
- 3. it is volatile

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

(i) **Assertion.** A computer can deliver performance only through an efficient combination of hardware and software.

Reason. While hardware refers to the physical electronics equipment, software are the recorded programs that govern the hardware to perform tasks in a computer.

- a) Both A and R are true and R is the correct explanation of A
- b) Both A and R are true and 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 :** An operating system is a system software.

Reason : The software that controls internal computer operations, is called system software.

- a) Both A and R are true and R is the correct explanation of A
- b) Both A and R are true and 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. Write the Shortcut Key of following terms/abbreviations:

- (i) To Paste the text
- (ii) Undo

Q.6. Answer the following Short Answer Type Questions

- 1. What are two categories of system software?
- 2. Distinguish between internal and external memory
- 3. How does display subsystem of a mobile system work?
- 4. What is the utility of disk defragmenter software?
- 5. What role does the input unit play in a computer?

Q.7. Answer the following Long Answer Type Questions

- 1. What is the function of CPU in a computer system? What are its subunits?
- 2. Distinguish between CPU and ALU.
- 3. What is an operating system? What is its role?
- 4. What role does memory play in the functioning of computer system?
- 5. Define byte and kilobyte.

Part-4 – Learning Homework

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



R.E.D. Group of Schools

Revision Assignment-2

Class: 11th
Ch. No. 2

Subject: Computer Science
Ch. Name: Data Representation

Part-1 – for Vocabulary skills

Q.1. Define the following Key Terms:

- | | | |
|-------------------------------|-------------------------|----------------------------|
| (i) UTF-8 | (ii) ASCII | (iii) Unicode |
| (iv) Binary number system | (v) Octal number system | (vi) Decimal number system |
| (vii) Number system | (viii) UTF32 | (ix) Encoding schemes |
| (x) Hexadecimal number system | | |

Part-2 – Reading skills

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

Passage

The decimal number system (also called denary number system) is composed of 10 numerals or symbols. These 10 symbols are 0,1,2,3,4,5,6,7,8,9, using these symbols as digits of a number, we can express any quantity. The decimal system is a positional –value system in which the value of a digit depends on its position. For example, consider the decimal number 729. We know that the digit 7 actually represents 7 hundreds, the 2 represents 2 tens and the 9 represents 9 units. In essence, the 7 carries the most weight of three digits, it is referred to as the most significant digit (MSD). The 9 carries the least weight and is called the least significant digit (LSD).

Answer the following Questions from the passage:-

- (A) What is the base of decimal number system?
- (B) In number 456, which digit represent MSD and LSD?
- (C) What is another name of decimal number system?

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 : ‘BED’ is a legal hexadecimal value while ‘BEDS’ is not.

Reason : Hexadecimal number system does not recognise as 0-9 ,A-F.

- a) Both A and R are true and R is the correct explanation of A
- b) Both A and R are true and 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 : The decimal number system has base 10.

Reason : The decimal number system is composed of 10 unique symbols.

- a) Both A and R are true and R is the correct explanation of A
- b) Both A and R are true and 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. Write the Shortcut Key of following terms/abbreviations:

- (i) ASCII
- (ii) ISCII

Q.6. Answer the following Short Answer Type Questions

1. What are the bases of decimal, octal, binary and hexadecimal systems ?
2. What is the use of encoding schemes ?
3. What all encoding schemes does Unicode use to represent characters ?
4. What do you understand by code point ?
5. What is the most significant bit and the least significant bit in a binary code ?

Q.7. Answer the following Long Answer Type Questions

1. Convert the following binary to octal- a) 111010 b) 110110101
2. Convert the following decimal to octal- a) 19 b) 161
3. Convert the following decimal to hexadecimal-a) 132 b) 122
4. Convert the following octal to decimal - a) 123 b) 605.12
5. Convert the following hexadecimal to binary a) A6 b) 7AB4

Part-4 – Learning Homework

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



R.E.D. Group of Schools

Revision Assignment-3

Class: 11th
Ch. No. 3 & 4

Subject: Computer Science
Ch. Name: Boolean Logic &
Introduction to problem solving

Part-1 – for Vocabulary skills

Q.1. Define the following Key Terms:

- | | | |
|-----------------------|-----------------------|-----------------|
| (i) Logic gates | (ii) Flowchart | (iii) Algorithm |
| (iv) Truth Table | (v) Decomposition | (vi) Debugging |
| (vii) Boolean algebra | (viii) Logic circuits | (ix) Fallacy |
| (x) Dry run | | |

Part-2 – Reading skills

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

Passage

Pseudocode is an informal language that helps programmers describe steps of a program's solution without using any programming language syntax. Pseudocode is a "text-based" detail (algorithm) design tool. A pseudocode creates an outline or a rough draft of a program that gives the idea of how the algorithm works and how the control flows from one step to another. In Pseudocode, usually instructions are written in upper-case, variables in lowercase and messages in sentence case.

Answer the following Questions from the passage:-

- (A) What is Pseudocode?
- (B) In which programming language we can write Pseudocode?
- (C) Variables are written in which case?

Part-3 – Application skills of Subject Tools & Concepts

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

Diagram/Picture:

- a) Design a logic circuit draw its diagram for the boolean expression – $A+BC +D'$
- b) Prove that $X.(X+Y)=X$ by truth table method.

Flowchart:

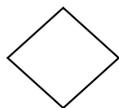
- a) Draw a flowchart for calculating grade from marks percentage.

Puzzle:

- a) Identify the flowchart symbols name –







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

(i) **Assertion** : The operation performed by a NOT gate is logical multiplication.

Reason : The NOT gate is inverter that inverts the state of input signal.

- a) Both A and R are true and R is the correct explanation of A
- b) Both A and R are true and 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 : An algorithm is the logical sequence of precise steps that solve a given problem.

Reason : An algorithm must have finite number of precise steps ,which must be effective and end in a reasonable amount of time.

- a) Both A and R are true and R is the correct explanation of A
- b) Both A and R are true and 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. Write the Shortcut Key of following terms/abbreviations:

- (i) To print the document
- (ii) To select all

Q.6. Answer the following Short Answer Type Questions

1. Name the person who developed Boolean logic?
2. What is logic gate? Name the three basic logic gates.
3. What is the other name of NOT gate?
4. What is dry run? How is it useful?
5. What is done during coding phase?

Q.7. Answer the following Long Answer Type Questions

1. What is tautology and fallacy?
2. What are the phases of problem solving cycle?
3. State the purpose of reducing the switching functions to the minimal form.
4. Mention the steps you would follow while writing a program.
5. Write an algorithm to find the square of a number.

Part-4 – Learning Homework

- **Learning Homework:** Learn Ch-3 & 4 From Text Book/Notebook.



R.E.D. Group of Schools

Revision Assignment-4

Class: 11th
Ch. No. 5 & 6

Subject: Computer Science
Ch. Name: Getting started with
Python & Python fundamental

Part-1 – for Vocabulary skills

Q.1. Define the following Key Terms:

- | | | |
|-----------------------------|-----------------------|---------------------|
| (i) Cross-platform software | (ii) Interactive mode | (iii) Keywords |
| (iv) Identifiers | (v) Literals | (vi) Expression |
| (vii) In-line comment | (viii) Statement | (ix) Case sensitive |
| (x) Functions | | |

Part-2 – Reading skills

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

Passage

Python programming language was developed by Guido Van Rossum in February 1991. Python is based on or influenced with two programming languages: ABC language and Modula-3. Python is an easy to learn yet powerful object oriented programming language. It is a very high level programming language yet as powerful as many other middle-level not so high-level languages like C, C++, Java etc.

Python is an interpreted language, that is all the commands you write are interpreted and executed one by one.

Answer the following Questions from the passage:-

- (A) When Python was released.
- (B) Which two languages contributed to Python as a programming language?
- (C) In how many different ways can you work in Python?

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** : Python supports dynamic typing of variables.

Reason : A variable can hold values of different types at different times, in a program.

- a) Both A and R are true and R is the correct explanation of A
- b) Both A and R are true and 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** : In Python, blocks are represented through indentation.

Reason : Blocks in Python are the compound statements.

- a) Both A and R are true and R is the correct explanation of A
- b) Both A and R are true and 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. Write the Shortcut Key of following terms/abbreviations:

- (i) IDLE
- (ii) GUI

Q.6. Answer the following Short Answer Type Questions

1. Name the person who developed Python.
2. What is the use of trace table?
3. What are conditional? When they are required in a program?
4. How would you create multi-line comments?
5. What is a block or suite in Python? How is indentation related to it?

Q.7. Answer the following Long Answer Type Questions

1. What factors guide the choice of identifiers in programs?
2. What happens when you try to access the value of an undefined variable?
3. What are the advantages of Pseudocode?
4. What is meant by floating –point literal in Python? How many ways can a floating literal be represented into?
5. What is meant by token?

Part-4 – Learning Homework

- **Learning Homework:** Learn Ch-5 & 6 From Text Book/Notebook.

Summer Holidays Homework

SESSION: 2024-25

CLASS – 11th

Subject: Physical education

Text Book: Phy.edu.

1. Syllabus Covered upto MAY END

- Chapter No.- 1 Changing trends and career in phy.edu.
- Chapter No.- 2 Olympic value education
- Chapter No.- 3 Yoga
- Chapter No.- 4 Phy.edu. and sports for CWSN

2. List of all new concepts taught upto MAY END

- Meaning and importance of Wellness, Health, and Physical fitness.
- Components/Dimensions of wellness, Health and physical fitness.
- Traditional sports and regional games for promoting wellness.

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
- A4Sheets
- 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 (Hawk - Eye System)
 - Topic: Roll no 13 to 24 (Olympic Flag)
 - Topic: Roll no 25 to 36 (Kapal Bhati)
- **Section – E: Chart Work**
 - Topic: Roll no 1 to 12 (Organic Aspect of Development)
 - Topic: Roll no 13 to 24 (Career options in physical education)
 - Topic: Roll no 25 to 36 (Olympic value Education)

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

Revision Assignment-1

Class: 11th

Subject: Phy. Edu.

Ch. No.: 1 to 2

Ch. Name: Changing trends and career

in physical education, Olympic value education

Part-1 – for Vocabulary skills

Q.1. Define the following Key Terms:

- | | | |
|--------------------|--------------------|--------------------|
| (i) Gymnasium | (ii) Neuromuscular | (iii) Coordination |
| (iv) Technological | (v) Excellence | (vi) Honoured |
| (vii) Interlocked | | |

Part-2 – Reading skills

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

Passage Olympic value education aims to instill in individuals the core values upheld by the Olympic Movement: excellence, friendship, respect, and fair play. Through the study and promotion of these values, individuals learn not only to excel in their respective fields but also to uphold integrity, camaraderie, and sportsmanship. By embracing these values, participants can contribute positively to their communities and foster a culture of peace and understanding through sport."

Answer the following Questions from the passage:-

- (A) What is aim of Olympic value education?
- (B) write the names of Olympic values?
- (C) Through the study and promotion of Olympic values the individuals learn?

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) Olympic Flame
- b) Olympic flag

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

(i) **Assertion (A): The main objective of physical education is physical development.**

Reason (R): Physical education is related to several physical activities.

- 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): Olympism tells us that sports is a universal human right.**

Reason (R): We all should be free to practice it.

- 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 :-



Q.6. Answer the following Short Answer Type Questions

- a) Explain the role of latest Equipment in games?
- b) Explain the Olympic Motto?
- c) What are the values of olympism?
- d) Enlist various careers in the fields of physical education?
- e) Why different playing surfaces are being used for different games?

Q.7. Answer the following Long Answer Type Questions

- a) Explain all the objectives of physical education?
- b) Explain the values of Olympic games?
- c) What is the importance of five rings in Olympic flag?
- d) Describe the Olympic oath?

Part-4 – Learning Homework

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



R.E.D. Group of Schools

Revision Assignment-2

Class: 11th

Ch. No.: 3,4

education and sports for CWSN

Subject: Phy. Edu.

Ch. Name: Yoga, Physical

Part-1 – for Vocabulary skills

Q.1. Define the following Key Terms:

(i) Intellectual

(ii) Disorder

(iii) Disability

(iv) Posture

(v) Spiritual

(vi) Anxiety

(vii) Originate

Part-2 – Reading skills

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

Passage Currency with the people: 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):** Stress and anxiety can be reduced by regular practice of yoga.

Reason (R): Practising breathing techniques drives away insomnia to a large extent.

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

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

k) Assertion (A) is true, but Reason (R) is false.

l) Assertion (A) is false, but Reason (R) is true.

(ii) **Assertion (A):** Physical education is recognized as an indispensable portion of the school curriculum because of its many faceted benefits.

Reason (R): It helps students attain physical, emotional, mental, and social powers.

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

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

o) Assertion (A) is true, but Reason (R) is false.

p) 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 are the eight limbs of yoga?
- c) What are the causes of physical disability?
- d) Briefly write any four principal of adaptive physical education?
- e) What is disability? Give an example

Q.6. Answer the following Long Answer Type Questions

- a) Explain the role of any four professionals for CWSN?
- b) Make a table on the types of disability, its causes and its nature?
- c) Explain how yoga helps in stress management?
- d) Write in details on YAMA and NIYAMA?

Part-4 – Learning Homework

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