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.**

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Revision Assignment-1

Class: 11th **Subject: English**

Ch. Name: The Portrait of a Lady **Ch. No.: 1**

Part-1 – Vocabulary skills

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

(i) Seclusion
(ii) Serenity
(iii) Absurd
(iv) Fables
(v) Contentment
(vi) Sentimental
(vii) Frivolous
(viii) Undignified
(ix) Pallor
(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
(ii) Enormous
(iii) Capsizing
(iv) Omnious
(v) Smashed
(vi) Tremendous
(vii) Voyage
(viii) Frightful
(ix) Respite
(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
(ii) Misfortune
(iii) Ransacked
(iv) Extreme
(v) Antiquity
(vi) Sensation
(vii) Cramped
(viii) Eternal
(ix) Adorned
(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"Â 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: Accountancy **Text Book: DK Goel**

1. **Syllabus Covered upto MAY END**

   Chapter No. 1, Chapter Name- Meaning and objectives of Accounting

   Chapter No. 2, Chapter Name- Basic Accounting Terms

   Chapter No. 3, Chapter Name- Accounting Principles

   Chapter No. 4, Chapter Name- Process and Bases of Accounting

   Chapter No. 5, Chapter Name- Accounting Standard

   Chapter No. 6, Chapter Name- Accounting Equations

   Chapter No. 7, Chapter Name- Double Accounting system

   Chapter No. 9, Chapter Name- Journal

2. **List of all new concepts taught upto MAY END**
   - To know about accounting.
   - To know about different terminologies.
   - To know about the principles and concepts of accounting.
   - To know about how to record the transactions in journal.

3. **Summer Holiday Homework:**
   - **Reading Homework:**
     - **Section – A:** Pre-Reading of Next Two Chapters
   - **Written Homework:**
     - **Section – B:** Chapter-wise Revision Assignments
     - **Section – C:** Collection of Bills (Cash or Credit)
     - **Section – D:** Creative Project/ Working Model
     - **Section – E:** Chart Work

4. **Tools required for doing Homework:**
   - Text Book – A_4 Sheets – Resources as per activity

5. **Instruction/Guidelines for Reading Homework:**
   - **Section – A: Pre-Reading Homework**
     - Do the Pre-Reading of Chapter No. 10 and 11
     - Write all the difficult words & their meanings of above chapters in Accountancy N.B.

6. **Instruction/Guidelines for Written Homework**
   - **Section – B:** Do the given Assignments on A4 Sheets.
   - **Section – C:** Collection of Bills (Cash or Credit)
     - **Materials Required:** Visit your Nearby Market or any online shopping.
     - **Steps to prepare:**
       1) Take Bills of Various Transactions in between your Holidays.
       2) Make their Vouchers.
   - **Section – D: Enquiry Based Project**

Topic	*Roll No.*
Record Keeping	1 to 5
Summarize Financial Transaction (At Least 10)	6 to 10

- **Materials Required:**

  Use of Excel Sheet or Any Other Android Based App from Play store

  OR

  Use A4 Sheet to prepare Accounting Equation & Balance Sheet

- **Steps to prepare/enquire the topics:**
  - **Record-keeping:** Maintaining accurate records of expenses incurred during summer vacation is essential for tracking spending and evaluating financial decisions. Students can learn about record-keeping methods, such as tracking receipts, using spreadsheets, or utilizing personal finance apps**.**
  - **Summarize financial transactions (at least 10):** Students will collect financial data from a chosen company and organize it in a systematic and coherent manner. They will ensure that all relevant financial information is properly recorded and classified according to accounting principles and standards.

- **Section – E: Chart Work**

  Roll no 1 to 5 (Topic Accounting Principles)

  Roll no 6 to 10 (Topic Rules of Debit & Credit by American Approach)

7. <u>Marking scheme for Accountancy homework: –</u>

- **Section-A : Pre-Reading HW**
  - Difficult words & their meanings in N.B. **4 marks**
- **Section-B : Chapter wise Revision Assignments 4 marks**
- **Section-C : Collection of Bills (Cash or Credit) 4 marks**
- **Section-D : Creative Project/Working Model 4 marks**
- **Section-E : Chart 4 marks**

Total marks of Accountancy H.W. <u>20 marks</u>

8. <u>Important Note:</u>

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.

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Chapter-wise Revision Assignment-1

Class: 11th **Subject: Accountancy**

Ch. No.: 1 & 9 **Ch. Name: Meaning & Objectives of Accounting, Journal**

Part-1 – for Vocabulary skills

Q.1. Define the following Key Terms:

(i) Book keeping (ii) Accounting (iii) Accountancy
(iv) Recording (v) Classifying (vi) Summarising
(vii) Journal (viii) Subsidiary Books (ix) Ledger
(x) Financial Statement

Part-2 – Reading skills

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

Passage

Accounting is a process of identifying the events of financial nature, recording them in the journal, classifying in their respective accounts and Summarizing them in profit and loss account and balance sheet and communicating results to users of such information, viz. owner, government, creditor, investors, etc.

Q.1. Which of the following transactions is not of financial character?

(a) Purchase of asset on credit (b) Purchase of asset for cash
(c) Withdrawing of money by (d) Strike by employees

Q.2. Last step of accounting process is:

(a) Provide information to various parties who are interested in business enterprise.
(b) Record transactions in the books
(c) To make summary in the form of financial statements.
(d) To classify the transactions under separate heads in the ledger.

Q.3. Internal users of accounting information are

(a) Potential investors (b) Creditor
(c) Management (d) Employees

Part-3 – Application skills of Subject Tools & Concepts

Q.4. Pass the Journal Entry with the help of given transaction:

a) Started business contributing Rs. 50000 in cash; Rs. 4,50,000 in cheque and building valued Rs. 2000000
b) Purchased goods from Manohar Lal of the list price Rs. 50000 for Rs. 46000.
c) Purchased goods costing Rs. 100000 from Sahil & Co. Paid 60% immediately by cheque to avail 5% discount.
d) Sold goods to Kishore & Co. of the list price of Rs. 40000 for Rs. 38000.
e) Sold to Kanika & Co. costing Rs. 100000 at 20% profit, allowing 10% trade discount and 5% cash discount. Kanika & Co. made 40% payment immediately by cheque.

Q.5. Analyze the given information and Answer the following question:

Give an example for each of the following type of transactions:

a) Increase in one asset, decrease in other asset.
b) Increase in asset, increase in liability.
c) Decrease in asset, decrease in liability.

Q.6. Read the following case-study & answer the questions.

Case Study:

Sam and Jay started with Cash 10,000 and Machinery 1,00,000. They decided to set up a production line for PPE kits for. the protection from Covid 19 virus. As their demand rose, they decided to buy one more piece of machinery. For the same, they took bank overdraft and purchased the machinery.

The quality of the company's product was extremely high and therefore, it could develop a reputation for itself in the market and business was flourishing. After 1.5 years, their old machinery turned obsolete so they decided to sell the same. They sold it and got some cash proceeds. To further increase the brand presence among the concerned stakeholders, they decided to run advertisements from the cash proceeds of machinery sold. As more and more customers demanded their product, they decided to launch a discount for bulk purchases. The discount was not to be recorded in the books of accounts. This campaign was successful and they earned a lot of profits from the same.

Q1. Which type of discount is being discussed in the last part of the passage?

(a) Trade discount (b) Cash discount

(c) Both (a) and (b) (d) Can't be determine

Q2. Which asset is discussed in the line, "The quality of the company's product was very high and therefore, it could develop a reputation for itself in the market and business was flourishing"?

(a) Tangible (b) Intangible (c) Current (d) Both (a) and (c)

Q3. Which type of liability is discussed in the passage?

(a) Non-current (b) Current

(c) Both (a) and (b) (d) Can't be determined

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

1. Give any two objectives of accounting.
2. Explain any 4 qualitative characteristics of accounting information.
3. State any 4 limitations of Accounting.
4. What is the primary reason for business students and others to study accounting discipline?
5. What are types of Accounting?

Q.8. **Answer the following Long Answer Type Questions**

1. Differentiate between Book-Keeping and Accounting.
2. What is accounting cycle?
3. Explain 5 advantages of accounting.
4. Who are the internal users of accounting information?
5. Explain the limitations of Accounting.

Part-4 – Learning Homework

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

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Chapter-wise Revision Assignment-2

Class : 11th **Subject: Accountancy**

Ch. No.: 2 **Ch. Name: Basic Accounting Terms**

Part-1 – for Vocabulary skills

Q.1. Define the following Key Terms:

(i) Debtor (ii) Creditor (iii) Stock
(iv) Drawings (v) Liabilities (vi) Business transactions
(vii) Current assets (viii) Fixed Asset (ix) Goodwill
(x) Capital

Part-2 – Reading skills

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

Passage

Ram and Shyam are two friends who both have just attended their first class of accountancy. The friends were intrigued by the different branches of accounting and their widespread application. Ram personally liked the branch of accounting in which fund flow statement and budgetary control is used and that branch helps in planning and controlling of operations. As the concept of accounting was further explored, they began discussing the different users of accounting. Ram said that he finds it interesting that even the employees demand information relating to business. Shyam said he finds more interesting the fact that even competitors want information on the relative strengths and weaknesses of the enterprise and for making comparisons, Shyam further said that even accounting helps owners to compare one year's costs, expenses, and sales with those of other years. However, they were quite shocked by the fact that the management-worker relations were not taken into consideration in the accounting. Meanwhile, Ram and Shyam had an argument at the end of the discussion. Ram was saying that accounting is an art whereas Shyam was saying that accounting is a science. Their teacher came in and said something to them which made them stop the argument.

Q1. What might their teacher have said to solve their argument?

(a) Ram, please understand, Shetty is correct in this situation

(b) Shyam, please understand, Ram is correct in this situation

(c) Both are correct

(d) None is correct

Q2. Shyam talked about which type of users of accounting?
(a) Internal users
(b) External users
(c) Both (a) and (b)
(d) None of these.

Q3. Which limitation of accounting is being talked about by them?
(a) Influenced by personal judgment
(b) Omission of qualitative information.
(c) Incomplete information
(d) Based on historical costs

Part-3 – Application skills of Subject Tools & Concepts

Q.4. Pass the Journal Entry with the help of given transaction

a) Proprietor withdrew for personal use cash Rs. 20000 and goods worth Rs. 10000.
b) Goods for Rs. 50000 were given away as charity. Sale price Rs. 60000.
c) Goods worth Rs. 25000 were distributed as free samples.
d) Goods worth Rs. 50000 and cash Rs. 20000 were stolen by an employee.

e) Goods worth Rs. 100000 were destroyed by fire. Insurance company admitted and paid claim for 60% amount.

Q.5. Analyze the given information and Answer the following question:

Classify the following accounts under personal, real or nominal accounts:

a) Commission Accrued
b) Commission Paid
c) Rent received in advance

Q.6. Read the following case-study & answer the questions.

It involves an economic activity. For example, when goods are purchased or sold for cash or on credit or when salaries are paid to employees or when interest is paid on money borrowed from the bank, a business transaction takes place. Social activities are not considered as transactions. For example if X purchases a gift for his friend, it will not be considered as a transaction because it is social engagement.

1. Current liabilities include:
   (a) Bills payable (b) Creditors
   (c) Outstanding expenses (d) All of the above
2. Which of the following is capital expenditure?
   (a) Wages (b) Wages paid for building construction
   (c) Repair expenses of building (d) Advertisement expenses
3. A person who owes money to the firm is called……..
   (a) Debtor (b) Creditor
   (c) Supplier (d) None of these

Q.7. <u>Answer the following Short Answer Type Questions</u>

1. What are types of Accounting?
2. State three limitations of accounting.
3. What is cash discount?
4. What is voucher?
5. Define Merchandise.

Q.8. <u>Answer the following Long Answer Type Questions</u>

1. Explain the types of assets.
2. Mr. Jaspal Singh sealing in electronic goods sold 20 TV sets costing 30,000 each at 40,000 each. Out of this 5,00,000 were received in cash and the balance is not yet received. State the amount of revenue.
3. Mr. Dinanath who owed us 50,000 became insolvent and paid only 40% of this amount. What is the term used for the amount not received.
4. Explain different types of liabilities.
5. Difference between cash discount and trade discount.

<u>Part-4 – Learning Homework</u>

- **<u>Learning Homework:</u>** Learn Q. Ans. of Ch- 2 From Text Book/Notebook.

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Chapter-wise Revision Assignment-3

Class: 11th **Subject: Accountancy**

Ch. No.: 3 & 6 **Ch. Name: Accounting Equation**

Part-1 – for Vocabulary skills

Q.1. Define the following Key Terms:

(i) Revenue (ii) Expense (iii) Gain
(iv) Trade Recievable (v) Fictitious Assets (vi) Drawings
(vii) Bad debts (viii) Inventory (ix) Trade Payables
(x) Sales

Part-2 – Reading skills

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

Passage

In order to make the accounting information meaningful to its internal and external users, it is significant that such information is reliable as well as comparable. The comparability of information is required to see how a firm has performed as compared to the other firms and how it has performed as compared to the previous years. This becomes possible only if the information provided by the financial statements is based on some set rules known as policies, principles and conventions.

Q.1. The owner of the firm records his medical expenses in the firms' income statement indicate the principle that is violated.

(a) Cost concept (b) Prudence
(c) Full disclosure (d) Entity concept

Q.2. M/s Future Ltd. has invested 10,000 in the shares of Relicam industries Ltd. industries Ltd. current market value of these shares is 10,500. Accountant of future Ltd. wants to show 10,500 as value of investment in the books of accounts, which accounting convention restricts him from doing so?

(a) Full disclosure (b) Consistency
(c) Conservatism (d) Materiality

Q.3. Which of these is not a fundamental accounting assumption?

(a) Going concern (b) Consistency
(c) Accrual (d) Materiality

Part-3 – Application skills of Subject Tools & Concepts

Q.4. Pass the Journal Entry with the help of given transaction

a) Himanshu Chauhan started business with cash Rs. 150000, Furniture Rs. 10000 and Goods Rs. 60000.
b) Received an order for goods for Rs. 120000 from M/S Gauri Shankar and Sons.
c) Received a V.P.P. from Ram for Rs. 20000. Sent a peon to collect it who paid Rs. 150 as cartrage.
d) Withdrawn goods for personal use Rs. 8000.
e) Paid Income Tax Rs. 80000 by cheque.
f) Paid Salary Rs. 7000.
g) Withdrawn goods for personal use Rs. 9000.

Q.5. Analyze the given data and Answer the following question:

Following information is obtained from the books of Mr. Shekhawat for the year ended 31st March, 2023

a) Cash Sales- Rs. 520000
b) Credit sales- Rs. 140000
c) Expenses (out of which Rs. 60000 is still to be paid)- Rs. 410000

Ascertain the Net Profit or Loss of Mr. Shekhawat if he adopts Cash Basis or Accrual basis of

Accounting.

Q.6. Answer the following Short Answer Type Questions

1. What do you mean by Accounting Concepts?
2. "Revenue earned and cost of earning that revenue should be properly identified for a period." Explain this statement.
3. What is meant by GAAP?
4. Explain Business Entity Concept.
5. Explain the concept of Materiality.

Q.7. Answer the following Long Answer Type Questions

1. A customer of X Ltd. has discontinued his business. He used to purchase 30% of the total goods produced by X Ltd. Is it a relevant information in your opinion and should be disclosed by X Ltd.
2. X Ltd. gets a contract of Rs 100 crore to build a Shopping-Mall to be completed in 3 years. The management of the company wants to ascertain profit or loss on this contract only when the contract is completed is the management justified?
3. Explain the concept of Prudence.
4. Explain the money measurement concept.
5. Explain the Historical cost concept.

Part-4 – Learning Homework

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

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Chapter-wise Revision Assignment-4

Class: 11th **Subject: Accountancy**

Ch. No.: 4 **Ch. Name: Process and Bases of Accounting**

Part-1 – for Vocabulary skills

Q.1. Define the following Key Terms:

(i) Depreciation (ii) Capital expenditure (iii) Purchases
(iv) Sales (v) Outstanding Expense (vi) Prepaid Expense
(vii) Accrued Income (viii) Unearned Income (ix) Enterprise
(x) Profit

Part-2 – Reading skills

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

Passage Accounting process begins with the origin and identification of business transaction and is followed by recording, classification and summarization of business transactions culminating in preparation of trial balance and financial statements, i.e., Profit & Loss Account and Balance Sheet. Following steps are followed in accounting process:

Q.1. In cash basis, expenses are recorded:
(a) When paid in cash (b) When not paid in cash
(c) When paid or not paid in cash (d) None of the above

Q.2. Book-keeping is mainly concerned with:
(a) Recording of financial data
(b) Designing the systems of summarising the recorded data
(c) Interpreting the data for internal and external users
(d) Preparation of financial statements of the business enterprise

Q.3. Which of the following is not a sub-field of accounting?
(a) Financial accounting (b) Book Keeping
(c) Management accounting (d) Cost Accounting

Part-3 – Application skills of Subject Tools & Concepts

Q.4. Pass the Journal Entry with the help of given transaction

Deri is a sole trader dealing in automobiles. From the following transactions, pass journal entries for the month of January, 2018.

1 Commenced business with cash Rs. 1,00,000, with goods Rs. 2,00,000, with buildings Rs. 5,00,000

2 Purchased goods from A and Co. on credit Rs. 3,00,000

3 Cash deposited into bank Rs.80,000

4 Purchased goods from B and Co. and payment made through credit card Rs. 5,000

5 Paid A and Co. through RTGS

Q.5. Analyze the given data and Answer the following question:

Data:–

a) In a financial year, Vinod had total of Rs 7,40,000, out of which Rs 5,60,000were received in cash. The total expenses paid by him were Rs 3,80,000, out of which Rs 30,000 belongs to next year and

Rs 10,000 are still outstanding. Determine Vinod's income for the year as per:

(a) Cash basis of Accounting (b) Accrual basis of accounting

(b) During the financial year 2016-17, Shyam earned a total revenue of Rs 4,70,000 by selling the goods. Out of the total sales, three were credit sales of Rs1,30,000. The total expenses for the year were Rs 2,50,000, out of the which Rs 30,000 are still outstanding. Find out Shyam income for 2016-17 as per:

(a) Cash basis of Accounting.

(b) Accrual basis of accounting.

Q.6. Answer the following Short Answer Type Questions

1. Under this system of accounting, a transaction is recorded in the books when it is entered into and not when the settlement takes place.

2. Which basis of accounting is recognized under companies act, 2013.
3. Explain any 2 advantages of Accrual basis of accounting.
4. What is cash basis of accounting?
5. What is accrual basis of accounting?

Q.7. Answer the following Long Answer Type Questions

1. Does cash basis of accounting violates GAAP? If yes,how?
2. Explain the advantages of cash basis of accounting.
3. In which basis of accounting Outstanding expenses are not recorded?
4. Differentiate between cash basis and accrual basis of accounting.
5. Explain the steps followed in accounting process.

Part-4 – Learning Homework

- **Learning Homework:** Learn Q. Ans. of Ch- 4 From Text Book/Notebook.

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Chapter-wise Revision Assignment-5

Class: 11th **Subject: Accountancy**

Ch. No.: 5 & 7 **Ch. Name: Accounting Standards & Double Accounting System**

Part-1 – for Vocabulary skills

Q.1. Define the following Key Terms:

(i) Reciept (ii) Goods (iii) Fixtures
(iv) Income (v) Company (vi) Accounting Standard
(vii) Accounting Principle (viii) IFRS
(ix) Revenue expenditure (x) Trial Balance

Part-2 – Reading skills

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

Passage

Accounting equation signifies that the assets of a business are always equal to the total of capital and liabilities. A business transaction will result in the change in either of the assets, liabilities or capital of the firm and even after the change the assets will be again equal to the total of capital and liabilities. If a business transaction results in the increase of assets, there will also be a corresponding increase in the amount of either capital or liabilities by the same amount

Q.1. Main elements of accounting equation are:

(a) Capital, Creditors and Bills Payable (b) Assets, Liabilities and Capital
(c) Cash, Stock and Debtors (d) Bank balance, Investments and Bills Receivable

Q.2. As a result of the following transactions, the total of accounting equation will be……

(i) Started business with cash Rs. 2,00,000. (ii) Purchased furniture Rs. 25,000.
(iii) Purchased goods on credit Rs. 60,000.
(a) Rs. 2,85,000 (b) Rs. 2,25,000
(c) Rs. 2,35,000 (d) Rs. 2,60,000

Q.3. As a result of the following transactions, the total of accounting equation will be……

(i) Started business with Cash Rs. 5,00,000 (ii) Goods purchased for cash Rs. 2,00,000
(iii) Goods costing Rs. 1,50,000 sold for Rs. 1,60,000 on credit:
(a) Rs. 4,60,000 (b) Rs. 7,10,000
(c) Rs. 5,10,000 (d) Rs. 6,60,000

Part-3 – Application skills of Subject Tools & Concepts

Q.4. Pass the Journal Entry with the help of given transaction

(a) Started business with cash Rs. 50,000 and goods Rs. 30,000.
(b) Purchased goods for cash Rs. 30,000 and on credit from Karan Rs. 20,000. (c) Goods costing Rs. 40,000 were sold for Rs. 55,000 for cash.
(c) Withdrew cash for personal use Rs. 10,000.
(d) Rent outstanding Rs. 2,000.

Q.5. Analyze the given data and Answer the following question:

Data:–

i) Prepare Accounting Equation on the basis of the following transactions:
(a) Started business with cash Rs. 70,000.
(b) Credit purchase of goods Rs. 18,000.
(c) Payment made to creditors in full settlement Rs. 17,500.
(d) Purchase of machinery for cash Rs. 20,000.

Q.6. Answer the following Short Answer Type Questions

1. Prove that "Accounting equation holds good under all circumstances". Give at least 2 illustrations.
2. Give two purposes of accounting equation.
3. What is debit?
4. What is credit?

5. If total assets of business are Rs. 1000000 and capital is Rs. 400000 calculate creditors.

Q.7. Answer the following Long Answer Type Questions

1. What is double entry system? Explain its principles and advantages.

2. Give the rules of debit and credit and explain them with imaginary examples.
3. What do you understand by the classification of accounts? Explain the different types of accounts.
4. State the types of personal accounts.
5. Give two examples of representative personal accounts.

Part-4 – Learning Homework

- **Learning Homework:** Learn Q. Ans. of Ch- 5 & 7 From Text Book/Notebook.

Summer Holidays Homework

SESSION: 2024-25

CLASS – 11th

Subject: Business Studies **Text Book: Poonam Gandhi**

1. **Syllabus Covered upto MAY END**
   - Chapter No.-01 Business, Trade and Commerce
   - Chapter No.02 Forms Of Business organization
   - Chapter No.03 Private, Public and Global Enterprises
   - Chapter No.04 Business Services
   - Chapter No.05 Emerging Modes of Business

2. **List of all new concepts taught upto MAY END**
   - Government undertaking
   - Business Ethics
   - Example of B2B and B2C

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
   - A_4 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
     - Write all the difficult words & their meanings of above chapters in Business Studies N.B.

6. **Instruction/Guidelines for Written Homework**
   - **Section – B:** Do the given Assignments on A4 Sheets.
   - **Section – C:** Enquiry Based Activity.
     Materials Required: Text Book
   - **Section – D: Creative Project/ Models**
     - Topic: Roll no 1 to 5 (functions of Banking)
     - Topic: Roll no 6 to 10 (Types of Insurance)
     -
   - **Section – E: Chart Work**
     - Topic: Roll no 1 to 5 (Types of Human Activity)
     - Topic: Roll no 6 to 10 (Forms of business organization)

7. Marking scheme for Business Studies homework: –

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

Total marks of Business Studies H.W. 20 marks

8. Important Note:

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

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Revision Assignment-1

Class: 11th Comm. **Subject: Business Studies**

Ch. No.: 01 **Ch. Name: Business, Trade and Commerce**

Part-1 – for Vocabulary skills

Q.1. Define the following Key Terms:

(i) Business	**(ii) Trading**	**(iii) Trade**
(iv) Economic Activities	**(v) Non Economic Activities**	**(vi) Business risk**
(vii) Profession	**(viii) Employment**	**(ix) Industry**
(x)Commerce		

Part-2 – Reading skills

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

Passage Business is an economic activity that involves the production, distribution, and sale of goods and services with the aim of earning profits. The primary purpose of business is to satisfy human needs and wants by providing goods and services. Businesses can take various forms, including sole proprietorships, partnerships, companies, and cooperatives, each with its unique characteristics and advantages.

Apart from the economic objective of earning profits, businesses also have several other objectives. Social objectives focus on providing quality products, fair practices, and contributing to the well-being of society. Human objectives involve fair treatment of employees, providing good working conditions, and ensuring their development. National objectives include contributing to the country's economic development and adhering to laws and regulations. Global objectives involve participating in international trade, adhering to global standards, and contributing to global welfare.

Answer the following Questions from the passage:-

(A) **What is the primary purpose of business according to the passage?**

(B) **List the various forms of business organization mentioned in the passage.**

(C) **Explain the economic objective of business.**

Part-3 – Application skills of Subject Tools & Concepts

Q.4. Prepare Diagram/Flow Charts on the topic given below

Diagram

a) Economic Activity

Flowchart

b) Non-Economic Activity

Q.5. Analyze the given picture & answer the following question

Picture :–

a) what are the factors that should be keep in mind while starting a business?

Q.6. **Read the following Case study & answer the questions.**

Case Study

Sunrise Organic Farms is a business that was started by Ms. Aditi in a rural area. Her primary aim was to produce and sell organic vegetables and fruits. The farm began with a small plot of land and has now expanded to several acres due to the growing demand for organic produce. The business's mission is to provide healthy, chemical-free food to consumers while promoting sustainable farming practices.

Sunrise Organic Farms operates with the following objectives:

1. **Economic Objective:** To earn profits and ensure the financial sustainability of the farm.
2. **Social Objective:** To provide healthy, organic food to consumers and improve public health.
3. **Human Objective:** To create employment opportunities for local people and ensure fair wages.
4. **National Objective:** To contribute to the national goal of sustainable agriculture and food security.
5. **Global Objective:** To promote environmental sustainability by reducing carbon footprint through organic farming methods.

Answer the following Questions from the case study:-

(A) **What type of business is Sunrise Organic Farms, and what is its primary aim?**?
(B) **List the various objectives that Sunrise Organic Farms operates with.**?
(C) **How does the economic objective benefit Sunrise Organic Farms?**

Q.7. Answer the following Short Answer Type Questions

1. List any five major commercial cities of ancient India.
2. What is Hundi?
3. List the major exports and imports in ancient India.
4. What were the different types of Hundi in use by traders in ancient times?
5. What do you understand by maritime trade?

.8. Answer the following Long Answer Type Questions

1. Discuss the development of indigenous banking system in Indian subcontinent.
2. Define business. Describe its important characteristics.
3. Compare business with profession and employment.
4. Define industry. Explain various types of industries giving examples.
5 Describe the activities relating to commerce.

Part-4 – Learning Homework

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

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Revision Assignment-2

Class: 11th Comm. **Subject: Business Studies**

Ch. No.: 02 **Ch. Name: Forms Of Business organization**

Part-1 – for Vocabulary skills

Q.1. Define the following Key Terms:

(i) Sole Proprietor **(ii) HUF** **(iii) Private company**
(iv) Public Company **(v) cooperative societies** **(vi) Partnership**
(vii) LLP **(viii) Minor** **(ix) Liability**
(x) One Person company

Part-2 – Reading skills

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

Passage Businesses can be organized in several forms, each with its unique characteristics, advantages, and disadvantages. The most common forms include sole proprietorship, partnership, and company.

A sole proprietorship is owned and managed by a single individual who is responsible for all aspects of the business. This form is easy to establish and offers complete control to the owner, but it also comes with unlimited liability, meaning the owner's personal assets can be used to settle business debts.

A partnership involves two or more individuals who share ownership and management responsibilities. Partnerships are relatively easy to form and can pool resources and expertise, but partners also share unlimited liability and potential conflicts can arise.

A company is a more complex form of organization where ownership is divided into shares. Companies offer limited liability, meaning shareholders are only liable to the extent of their investment. However, companies are subject to more regulations and higher administrative costs.

Answer the following Questions from the passage:-

(A) **What are the three common forms of business organization mentioned in the passage?**

(B) **Who owns and manages a sole proprietorship?**

(C) **What is one major advantage and one major disadvantage of a sole proprietorship?**

Part-3 – Application skills of Subject Tools & Concepts

Q.4. Prepare Diagram/Flow Charts on the topic given below

Diagram

a) Sole proprietorship

Flowchart

b) Private and public company

Q.5. Analyze the given picture & answer the following question

Picture:–

A) Explain in details about the forms of business?

Q.6. **Read the following Case study & answer the questions.**

Case Study

Case Study: ABC Enterprises' Organizational Journey

ABC Enterprises started as a sole proprietorship owned by Mr. Arjun, who ran a small bakery in his hometown. Over the years, the bakery gained popularity, and Mr. Arjun decided to expand his business. To manage the growing operations, he entered into a partnership with his friend, Mr. Ravi. Together, they opened multiple bakery outlets in the city.

As the business continued to flourish, they needed more capital to expand nationwide. They decided to convert their partnership into a private limited company, ABC Bakers Pvt. Ltd. This change allowed them to raise funds by issuing shares and also limited their liability.

ABC Bakers Pvt. Ltd. experienced rapid growth and eventually went public by becoming ABC Bakers Ltd., a public limited company. This move further increased their ability to raise capital and expanded their market presence, but also brought additional regulatory responsibilities and the need for greater transparency.

Answer the following Questions from the case study:-

(A) **What was the initial form of business organization for ABC Enterprises?**?

(B) **Why did Mr. Arjun decide to convert his sole proprietorship into a partnership?**?

(C) **What advantages did ABC Enterprises gain by becoming a private limited company?**

Q.7. Answer the following Short Answer Type Questions

1. Compare the status of a minor in a Joint Hindu Family Business with that in a partnership firm.
2. If registration is optional, why do partnership firms willingly go through this legal formality and get themselves registered? Explain.
3. State the important privileges available to a private company.
4. How does a cooperative society exemplify democracy and secularism? Explain.
5. What is meant by 'partner by estoppels'? Explain**.**

8. Answer the following Long Answer Type Questions

1. What do you understand by a sole proprietorship firm? Explain its merits and limitation..
2. Why is partnership considered by some to be a relatively unpopular form of business ownership? Explain the merits and limitations of partnership.
3. Why is it important to choose an appropriate form of organisation? Discuss the factors that determine the choice of form of organisation.
4. Discuss the characteristics, merits and limitations of a cooperative form of organisation. Also, describe the different types of cooperative societies briefly.
5. Distinguish between a Joint Hindu family business and a partnership.

Part-4 – Learning Homework

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

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Revision Assignment-3

Class: 11th Comm. **Subject: Business Studies**

Ch. No.: 03 **Ch. Name: Private, Public and Global Enterprises**

Part-1 – for Vocabulary skills

Q.1. Define the following Key Terms:

(i) Govt. company **(ii) Govt. undertaking** **(iii) Joint venture**
(iv) PPP **(v) Global Enterprises** **(vi) Departmental undertaking**
(vii) Joint venture **(viii) Statutory corporation** **(ix) Public corporation**
(x) MNC's

Part-2 – Reading skills

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

Passage Private and public enterprises play crucial roles in the economy. Private enterprises are owned and operated by individuals or groups with the primary goal of earning profits. They are characterized by quick decision-making, innovation, and efficiency due to market competition. Examples include companies like Reliance Industries and Tata Motors.

Public enterprises, on the other hand, are owned and operated by the government. Their primary objective is to provide essential services and promote social welfare rather than focusing on profit maximization. These enterprises often operate in sectors like transportation, utilities, and healthcare. Examples include Indian Railways and Bharat Heavy Electricals Limited (BHEL).

Answer the following Questions from the passage:-

(A) **What are the primary objectives of private enterprises?**

(B) **Give two examples of private enterprises mentioned in the passage.**

(C) **What is the main difference between private and public enterprises in terms of ownership?**

Part-3 – Application skills of Subject Tools & Concepts

Q.4. Prepare Diagram/Flow Charts on the topic given below

Diagram

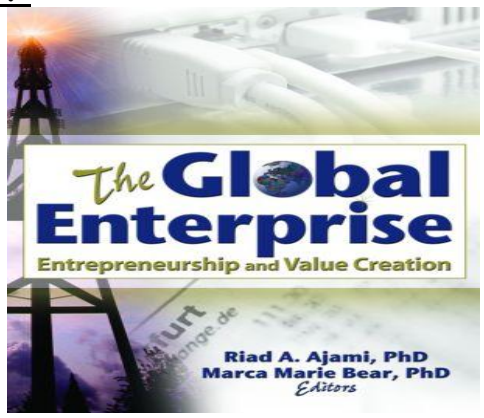
a) Private company

Flowchart

b) public company

Q.5. Analyze the given picture & answer the following question

Picture :–



A) Explain in detail about the MNC's?

Q.6. **Read the following Case study & answer the questions.**

Case Study

PrivCo Ltd. is a private sector company that manufactures consumer electronics. It is known for its innovative products, quick decision-making, and efficiency. PrivCo Ltd. is funded by private investors and operates with a primary goal of maximizing profits. The company enjoys considerable flexibility in its operations and is driven by market competition.

On the other hand, PubCo Corp. is a public sector enterprise that provides essential utilities like water and electricity. It is funded by the government and focuses on providing services to the public at affordable rates. PubCo Corp. operates with the aim of public welfare and social responsibility rather than profit maximization. It faces bureaucratic procedures, which can slow down decision-making but ensures accountability and transparency.

Answer the following Questions from the case study:-

(A) Define a private sector company and provide an example from the case study.
(B) Define a public sector enterprise and provide an example from the case study.
(C) What are the main objectives of Private Co Ltd. and Public Co Corp?

Q.7. Answer the following Short Answer Type Questions

1. Explain the concept of private sector and public sector.
2. State the various types of organisations in the private sector.
3. What are the different kinds of organisations that come under the public sector?
4. List the name of some enterprises under the public sector and classify them.
5. Why is the government company form of organisation preferred to other types in public sector**?**

Q.8. Answer the following Long Answer Type Questions

1. Describe the Industrial Policy 1991, towards the public sector.
2. What was the role of the public sector before 1991?
3. Can the public sector companies compete with the private sector in terms of profit and efficiency? Give reasons for your answer.
4. Why global enterprises are considered superior to other business organisations?
5. What are the benefits of entering into a joint venture and public private partnership?

Part-4 – Learning Homework

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

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Revision Assignment-4

Class: 11th **Subject: Business Studies**

Ch. No.: 04 **Ch. Name: Business Services**

Part-1 – for Vocabulary skills

Q.1. Define the following Key Terms:

(i) NEFT	**(ii) ATM**	**(iii) Debit Card**
(iv) Credit Card	**(v) RTGS**	**(vi) Digital cash**
(vii) Postal services	**(viii) Bank Draft**	**(ix) saving Account**
(x) current Account		

Part-2 – Reading skills

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

Passage

A mid-sized technology firm, recently expanded its business model by embracing various emerging modes of business. The company launched an e-commerce platform, integrated cloud computing for its operations, and adopted mobile commerce (m-commerce) to cater to the growing number of Smartphone users. Additionally, Tech. Solutions introduced digital payment options and invested in cyber security to protect its online transactions. These changes aimed to enhance customer convenience, streamline operations, and expand the market reach.

Answer the following Questions from the passage:-

(A) **What emerging modes of business has Tech. Solutions adopted?**

(B) **How does the e-commerce platform benefit Tech Solutions and its customers?**

(C) **What role does cloud computing play in Tech. Solutions' operations?**

Part-3 – Application skills of Subject Tools & Concepts

Q.4. Prepare Diagram/Flow Charts on the topic given below

Diagram

a) Banking Services

Flowchart

b) Telecommunication services

Q.5. Analyze the given picture & answer the following question

Picture :–

A) What do you mean by Insurance? Also explain its types?

Q.6. **Read the following Case study & answer the questions.**

Case Study

eMart is a rapidly growing online retail company that has capitalized on emerging modes of business. The company started as a small e-commerce platform but has expanded its services by adopting innovative business models and technologies. Key initiatives include:

1. Implementing a robust mobile app for seamless shopping.
2. Utilizing big data analytics to personalize customer experiences.

3. Expanding into the global market through strategic partnerships.
4. Offering a subscription-based delivery service for premium members.
5. Incorporating blockchain technology for secure transactions.

Answer the following Questions from the case study:-

(A) What are the key emerging modes of business that eMart has adopted?
(B) Explain the term Global market?
(C) What is block chain technology?

Q.7. Answer the following Short Answer Type Questions

1. Define services and goods
2. What is e-banking? What are the advantages of e-banking?
3. Write a note on various telecom services available for enhancing business.
4. Explain the principles of insurance briefly with suitable examples.
5. Explain warehousing and its functions?

Q.8. Answer the following Long Answer Type Questions

1. What are services? Explain their distinct characteristics.
2. Explain the functions of commercial banks with an example of each.
3. Write a detailed note on various facilities offered by the Indian Postal Department.
4. Describe various types of insurance and examine the nature of risks protected by each type of insurance.
5. Explain in detail the warehousing services.

Part-4 – Learning Homework

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

R.E.D. Group of Schools

Revision Assignment-5

Class: 11th Com **Subject: Business Studies**

Ch. No.: 05 **Ch. Name: Emerging Modes of Business**

Part-1 – for Vocabulary skills

Q.1. Define the following Key Terms:

(i) E-Commerce **(ii) E-Business** **(iii) Outsourcing**
(iv) B2B commerce **(v) B2C commerce** **(vi) C2C commerce**
(vii) Global Reach **(viii) Intra B-commerce** **(ix) Traditional Business**
(x) BPO

Part-2 – Reading skills

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

Passage Social responsibility refers to the obligation of a business to contribute to the welfare of society. This concept goes beyond earning profits and includes protecting the environment, ensuring fair practices, and contributing to the community's overall well-being. Businesses engage in various activities like reducing pollution, employing ethical labor practices, supporting charitable causes, and providing fair wages. These activities reflect the company's commitment to ethical behavior and respect for people, communities, and the environment.

Answer the following Questions from the passage:-

(A) Define social responsibility in the context of business?
(B) List two examples of activities that demonstrate a company's social responsibility.
(C) Why is it important for businesses to engage in social responsibility**?**

Part-3 – Application skills of Subject Tools & Concepts

Q.4. Prepare Diagram/Flow Charts on the topic given below
Diagram

a) B2B
Flowchart
b) B2C

Q.5. Analyze the given picture & answer the following question
Picture :–

A) what do you mean by E-business?

Q.6. **Read the following Case study & answer the questions.**

Case Study

GreenTech Electronics is a leading manufacturer of electronic devices. Recently, the company has undertaken several initiatives to enhance its social responsibility. These initiatives include:

1. Implementing a recycling program for electronic waste.
2. Switching to renewable energy sources for its manufacturing plants.

3. Ensuring all suppliers adhere to fair labor practices.
4. Launching a community outreach program to support local education.
5. Reducing the carbon footprint by optimizing logistics and transportation.

These actions have not only improved the company's public image but also contributed to a healthier environment and community.

Answer the following Questions from the case study:-

(A) **What social responsibility initiatives has GreenTech Electronics implemented?**

(B) **How does the recycling program benefit the environment?**

(C) **What are the advantages of switching to renewable energy sources for GreenTech Electronics?**

Q.7. Answer the following Short Answer Type Questions

1. State any three differences between e-business and traditional business.
2. How does outsourcing represent a new mode of business?
3. Describe briefly any two applications of e-business.
4. What are the ethical concerns involved in outsourcing?
5. Describe the data storage and transmission risks in e-business briefly.

Q.8. Answer the following Long Answer Type Questions

1. Why are e-business and outsourcing referred to as emerging modes of business? Discuss the factors responsible for the growing importance of these trends.
2. Elaborate on the steps involved in online trading.
3. Evaluate the need for outsourcing and discuss its limitations.
4. Discuss the salient aspects of B2C commerce.
5. Discuss the limitations of the electronic mode of doing business. Are these limitations severe enough to restrict its scope? Give reasons for your answer.

Part-4 – Learning Homework

- **Learning Homework:** Learn Ch- 05 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
   - A_4 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 **Subject: Economics**
Ch. No.: 01 **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).

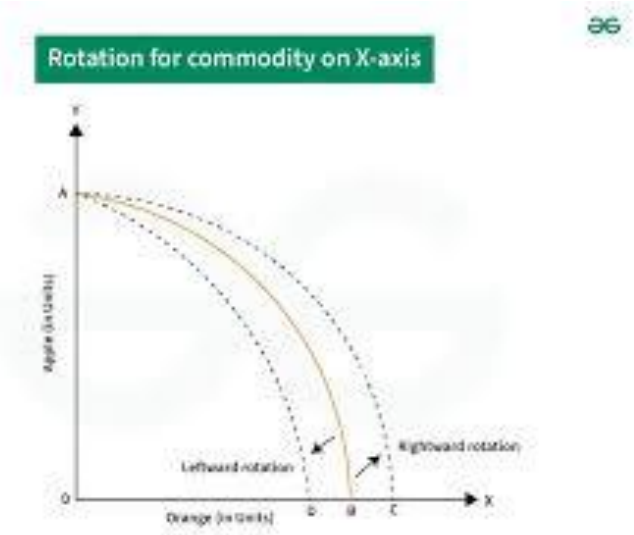
(2) Both Assertion (A) and Reason (R) are true, but Reason (R) is not the correct explanation of the Assertion (A).

(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 **Subject: Economics**
Ch. No.: 02 **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.

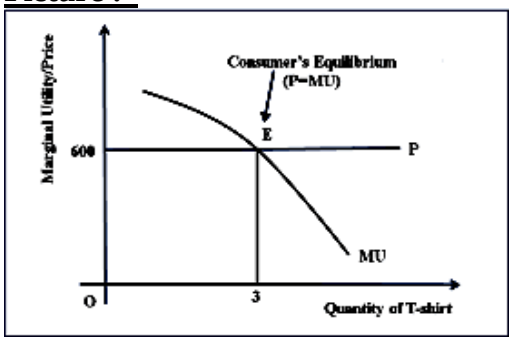
(i) Assertion (A) :
Marginal Utility can never be negative
Reason (R) :
Total Utility is maximum when Marginal Utility is zero.

(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 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 will buy at a given price.
4. Explain why an indifference curve is convex to the origin?
5. Define Marginal Rage 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 **Subject: Economics**
Ch. No.: 03 **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:

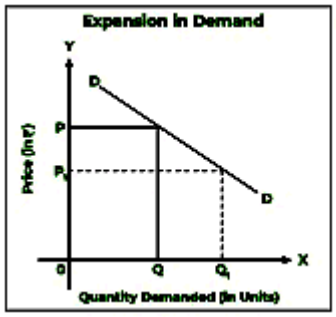
(a) If both Assertion and Reason are true and Reason is the correct explanation of Assertion.
(b) If both Assertion and Reason are true but reason is not the correct explanation of Assertion.
(c) If Assertion is true but Reason is false.
(d) If Assertion is false and Reason is true.

(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.

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

Class: 11th | **Subject: Economics**
Ch. No.: 04 | **Ch. Name: Elasticity of Demand**

Part-1 – for Vocabulary skills

Q.1. Define the following Key Terms:

(i) Elasticity **(ii) Price Elasticity** **(iii) Income Elasticity**
(iv) Cross Elasticity **(v) Perfectly Elastic** **(vi) Unitary Elastic**
(vii) Habbits **(viii) slope** **(ix) Time period**
(x) Share in total expenditure

Part-2 – Reading skills

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

Passage The price of crude oil continued to rise. As a result, the petrol and diesel prices also took an upward move. The oil refining companies studied the trend of the price rise in the last two years and reckoned that, though reluctantly, customers submitted to the price rise. However, after an unaffordable petrol price rise, a small class of people shifted from using their personal vehicles to public transport. Moreover, for travelling to short distances, they dropped using petrol run vehicles, and adopted bicycles that became the need of the hour. The oil refining companies studied the price elasticity of demand for petrol in short run and long run. And they reckoned that the short run elasticity for petrol is 0.2. Whereas, the long run elasticity is 0.4. The petrol authority decided to increase the price by 10%

Answer the following Questions from the passage:-

a) What will be the change in demand when the price of petrol increases by 15%?
b) In the long run, will there be a national agenda to find alternatives to petrol/diesel run vehicles if the price increases steadily? Explain.
c) What percentage of the oil companies revenue changes owing to the change in the price rise by 15%?
d) Explain the nature of Elasticity of Demand between Car and Bicycle.

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) **Perfectly Inelastic Demand** b) **Elastic Demand**

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) : Elasticity of demand is a unit free measure
Reason (R) : Elasticity of demand is not effected by the absolute change in demand or price.

(ii) Assertion (A) : **Luxury goods often high price elasticity of demand.**
Reason (R) : When price of luxury goods increase then there demand falls.
Complementary goods are demanded simultaneously to satisfy a particular want.

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

Picture :–

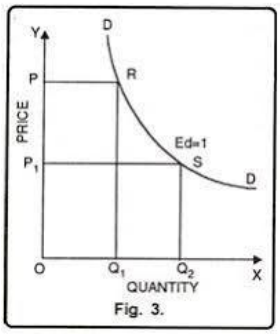


Fig. 3.

Q.6. Answer the following Short Answer Type Questions

i. Mention three factor effecting price elasticity of demand.
ii. When two demand curve intersect each other than which will be more elastic?
iii. What do you mean by perfectly inelastic demand?
iv. Why demand for water is 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 happened to the total expenditure of a commodity when its price falls?
ii. Discuss various factors effecting 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 effect 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 | **Subject: Economics**
Ch. No.: 05 | **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:

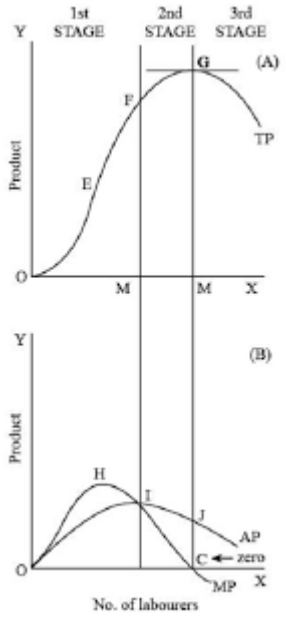
(a) If both Assertion and Reason are true and Reason is the correct explanation of Assertion.
(b) If both Assertion and Reason are true but reason is not the correct explanation of Assertion.
(c) If Assertion is true but Reason is false.
(d) If Assertion is false and Reason is true.

(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 realtion
   - 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
   - A_4Sheets
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.**

R.E.D. Group of Schools

Revision Assignment-1

Class: 11th **Subject: Maths**
Ch.No.: 01 **Ch. Name : Sets**

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) Finite (ii) Singleton (iii) Universal
(iv) Void (v) Cardinality (vi) Equivalent Set
(vii) Equal Sets (viii) Intersection (ix) Compliment
(x) Union

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

a) De - Morgan's law **b) Union of Two Sets**

Part-2 – Reading skills

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

Passage: The school organised a farewell party of 100 students and school management decided three types of drinks distributes in party are Milk (M), Coffee(C) and Tea (T). He reported the following 10 students had all the three drinks M, C, T, 20 had M and C, 30 had C and T; 25 had M and T; 12 had M only; 5 had C only; 8 had T only.

Answer the following Questions from the passage:-

(A) The number of students who did not take any drinks is
(B) The number of students who prefer Milk is
(C) The number of students who prefer Coffee is

Part-3 – Application skills of Subject Tools & Concepts

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

a) If A is finite set containing n elements, then find the number of proper subsets of A.
b) If A and B are disjoint sets. Then find $n(A \cap B)$
c) How many subsets can be formed from the set A={1,2,3}

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

i) $If\ A = \{x : x \in R \quad -10 \le x \le 100\}$

(a) [-10,100] (b) (-10,100) (c) [-10,100) (d)(10,100]

ii) Which of the following sets is subset of $\{\varphi, \{\varphi\}, 1, 2\{3, \varphi\}, 5\}$:

(a){1, 3} (b){2, 3} (c){3, φ} (d){{3, φ}}

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

(i) Assertion (A) : The interval is represented by (-4,6]
Reason (R) : The interval is represented by [-12,-10]
(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) : Let A = {a,b} and B = {a,b,c} then .
Reason (R) : If then

(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 ⊂ 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 ∩ 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. <u>Answer the following Short Answer Type Questions</u>

a) If A and B are finite sets such that $A \subset B$, *then* $n(A \cup B) =$ _____.
b) The symmetric difference of A = {1,2,3} and B = {3,4,5} is _____.
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. <u>Answer the following Long Answer Type Questions</u>

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 $A \cup B$.

<u>Part-4 – Homework</u>

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

R.E.D. Group of Schools

Revision Assignment-2

Class: 11th **Subject: Maths**
Ch.No.: 02 **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:

a) Domain and Range of a Relation
b) 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 = {Hari, Shyam, Madhuri, Ritika, Reena}
B = {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:-

(A) How many elements exist in set A and set B
(B) How many elements lie in n(A × B)
(C) 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: -

a) How many elements lie in the empty relation?
b) If n(A)=3 and n(B)=2 then find the total number of relations between set A and set B.
c) 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:

i) If $3x + 8 > 2$, x is an integer, then solution set is

(a) $\{x : x > -2, x \text{ is an int eger}\}$ (b) $(-2, \infty)$

(c) {-2, -1, 0, 1, 2,…….} (d) Z, the set of integer

ii) If A = {1, 2, 4},B = {2, 4, 5}, C = {2, 5}, then (A – B) × (B – C) is

(a) {(1, 2), (1, 5), (2, 5)} (b) {(1, 4)}

(c) (1, 4) (d) 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): $x - y$ is odd}. Write R in roster form.

Q.9. <u>Answer the following Short Answer Type Questions</u>

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 × 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. <u>Answer the following Long Answer Type Questions</u>

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 × A has 9 elements among which some elements are found (-1, 0) and (0, 1). Find the set A and remaining elements of A × A .

<u>Part-4 – Homework</u>

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

R.E.D. Group of Schools

Revision Assignment-3

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) 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:

a) Fundamental Trigonometric Identities
b) 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 :-

(A) The value sin 80° – sin20° is.
(B) The value of cos 15° – sin 15°.
(C) cos 51° +cos 81° – cos 21° is equal to.

Part-3 – Application skills of Subject Tools & Concepts

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

a) What is the maximum and minimum value of sin *x*.
b) Find the value of cos(–1710).
c) Which trigonometric function are positive in the third quadrant.

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

i) In a triangle ABC, the sides are 6 cm, 10 cm and 14 cm the obtuse angle of triangle will be:

(a) 120^0 (b) 110^0 (c) 130^0 (d) 150^0

ii) Two sides of a triangle are $\sqrt{3}-1$ *and* $\sqrt{3}+1$ units and their included angle is 60^0 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. <u>Answer the following Short Answer Type Questions</u>

a) If A and B are finite sets such that $A \subset B, then\ n(A \cup B) =$ _____.
b) The symmetric difference of A = {1,2,3} and B = {3,4,5} is _____.
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. <u>Answer the following Long Answer Type Questions</u>

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 $A \cup B$.

<u>Part-4 – Homework</u>

- **<u>Learning Homework:</u>** 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:

a) Transformation of a sum or difference into a product.
b) 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:

a) Cos (A + B) = cos A cos B – sinA sinB

b) Cos (A – B) = cos A cos B + sinA sinB

c) Sin (A + B) = sin A cos B + cos A sinB

d) Sin (A – B) = sin A cos B – cos A sinB

Based on the above information answer the following Questions:-

(A) 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).

(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).

(C) 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: -

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

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

i) The quadrant in which $\theta = -1930°$ 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 radian measure of angle 105° is $\frac{7\pi}{12}$.

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

(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 us 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. <u>Answer the following Short Answer Type Questions</u>

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. <u>Answer the following Long Answer Type Questions</u>

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.

<u>Part-4 – Homework</u>

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

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Revision Assignment-5

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) 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) sin2*x* =

b) cos2*x* =

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.

i. $\sin 2A = 2 \sin A \cos A$

ii. $\cos 2A = \cos^2 A - \sin^2 A = 2\cos^2 A - 1 = 1 - 2\sin^2 A.$

iii. $\tan 2A = \dfrac{2\tan A}{1-\tan^2 A}$

iv. $\sin 2A = \dfrac{2\tan A}{1+\tan^2 A}$

v. $\cos 2A = \dfrac{1-\tan^2 A}{1+\tan^2 A}$

vi. $\tan 3A = \dfrac{3\tan A - \tan^3 A}{1-3\tan^2 A}$

vii. $\sin 3A = 3\sin A - 4\sin^3 A$

viii. $\cos 3A = 4\cos^3 A - 3\cos A$

Based on the above information answer the following Questions:-

(A) If $\sin x = \dfrac{3}{5} where\ 0 < x < \dfrac{\pi}{2}$, then the value of sin 2*x* is.

(B) If $\tan x = -\dfrac{4}{3}$ and x lies in second quadrant, then cos $\dfrac{x}{2}$ is equal to .

(C) The value of tan $\dfrac{\pi}{8}$ is.

Part-3 – Application skills of Subject Tools & Concepts

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

a) Prove that: $\sin^4 x + \cos^4 x = 1 - 2\sin^2 x \cos^2 x.$

b) Prove that: $\sqrt{\sec^2 x + \operatorname{cosec}^2 x} = \tan x + \cot x.$

c) Prove that: $\dfrac{\sin x}{1+\cos x} + \dfrac{1+\cos x}{\sin x} = 2\operatorname{cosec} x.$

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

i) The quadrant in which $\theta = -1930°$ lies is

(a) I (b) II (c) III (d) IV

ii) The degree measure of $\left(\frac{7\pi}{12}\right)$ radians is

(b) 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 $\cos 75° = \frac{\sqrt{6}-\sqrt{2}}{4}$.

Reason (R) :cos 75° = cos (45° + 30°) = cos 30° sin 45° – sin 30° cos 45°.

(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. <u>Answer the following Short Answer Type Questions</u>

a) If $\sec\alpha = x+\frac{1}{4x}$, Pr*ove 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 $\sec^2 x + \operatorname{cosec}^2 x$ can never be less than 2.

Q.10. <u>Answer the following Long Answer Type Questions</u>

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
   - A_4Sheets
   - 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 **Subject:** Computer Science
Ch. No. 1 **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 facilities 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 facilities 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

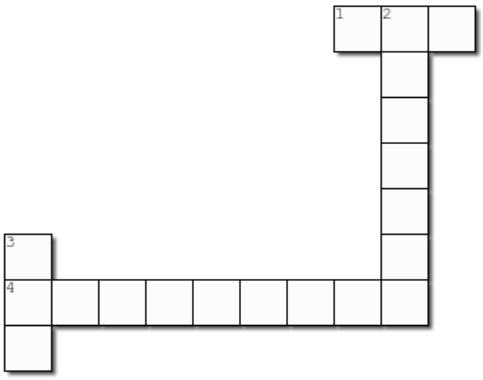
Flowchart:

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. <u>Answer the following Short Answer Type Questions</u>

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. <u>Answer the following Long Answer Type Questions</u>

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.

<u>Part-4 – Learning Homework</u>

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

R.E.D. Group of Schools

Revision Assignment-2

Class: 11th **Subject:** Computer Science
Ch. No. 2 **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 digits(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:

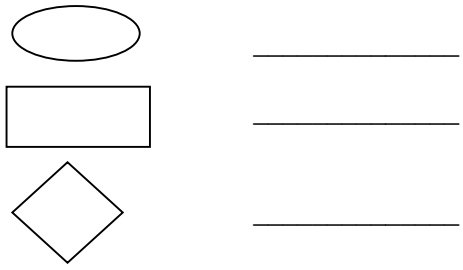
a) Design a logic circuit draw its diagram for the boolean expression – A+BC +D'
b) Prove that X.(X+Y)=X by truth table method.

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. <u>Answer the following Short Answer Type Questions</u>

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. <u>Answer the following Long Answer Type Questions</u>

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.

<u>Part-4 – Learning Homework</u>

- **<u>Learning Homework:</u>** 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 was Guido Van Rossum in February 1991.python is based on or influenced with two programming language.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 language contributed to python as a programming language?
(C) In how many different ways can 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
   - A_4Sheets
   - 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 pracice 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 **Subject: Phy. Edu.**
Ch. No.: 3,4 **Ch. Name: Yoga,Physical education and sports for CWSN**

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.