MODERN PUBLIC SCHOOL

Sec-37 Faridabad

Class – 11th (2025-26)

SUB-ACCOUNTANCY

Holiday Homework

Ques-1 Ruma started business of stationery with 15,00,000 as an initial investment. Out of which, he paid 3,00,000 for purchasing furniture and 6,00,000 for buying stationery items. He employed a sales person and clerk. At the end of the month, he paid 15,000 as their salaries. Stationery was sold for cash of 4,50,000 and for₹ 3,00,000 on credit to Vijay. Subsequently, he bought stationery of 4,50,000 from Anil. In the first week of next month, there was a fire and he lost ₹ 90,000 worth of stationery. A part of the furniture, which costed 1,20,000 was sold for 1,35,000.

On the basis of above, answer the following:

(i) What is the amount of capital with which Ruma started business?

(ii) What are the fixed assets he bought?

(iii) What is the value of the goods purchased?

(iv) Who is creditor and state the amount payable to him?

(v) What is the gain on furniture sold?

(vi) What is the loss he incurred?

(vii) What amount is receivable from debtor?

(viii) What is the total amount of expenses and losses incurred?

Ques-2 Show an Accounting Equation for the following transactions:

(1) D. Mahapatra commenced business with cash₹ 50,000 and 1,00,000 by cheque, goods 60,000; machinery₹ 1,00,000 and furniture ₹ 50,000.

(ii) 1/3rd of the above goods sold at a profit of 10% on cost and half of the payment is received in cash.

(iii) Depreciation on machinery provided @ 10%.

(iv) Cash withdrawn for personal use₹ 10,000.

(vi) Interest on drawings charged @ 5%.

(vii) Sold goods for Cash 10,000 at par.

Ques-3 Journalise the following transactions:

(1) Interest due but not received₹ 5,000.

(ii) Out of the interest for the year ended 31st March, 2025, ₹3,000 is due for receipt on 30th June, 2025.

(iii) Salaries payable to staff 25,000,

(Iv) Out of the rent paid this year, ₹10,000 relates to the next year.

(v) Provide 10% depreciation on furniture costing 50,000.

(Vi) Goods used in making Furniture (Sale Price 2,000; Cost₹ 1,500

(Vii) Received commission of 10,000 by cheque, half of which is in advance.

Ques-4 define deferred revenue expenditure with example

Ques – 5 describe all the types of assets in detail??

MODERN PUBLIC SCHOOL
SEC – 37 FARIDABAD
HOLIDAY HOMEWORK(2025-26)
CLASS – XI

Q.1) Answer the following questions :

a) **What is DBMS ? Define it ?**
b) **Write any three benefits of using DBMS ?**
c) **What is SQL ?**
d) **Write any three characteristics of SQL ?**
e) **Define the following terms :**

i. **Record**
ii. **Field**
iii. **Primary key**
iv. **Foreign key**
v. **Alternate key**

Q.2) Write the following queries based on the given table : Faculty

F_id	Fname	Fsalary	DOJ
101	Amit	25000	12-10-80
102	Aman	34000	10-02-90
103	Sumit	45000	23-07-93
104	Suman	22000	19-09-97
105	Sumati	50000	09-07-00

1) **Write a query to create the following table.**
2) **Display all records of table Faculty.**
3) **Show the name of the faculty where DOJ is "10-02-90".**
4) **Display all records in ascending order of name.**
5) **Insert one more record (106 , Sneha , 40000 , 10-03-88)**
6) **Delete the record of faculty where F_id =102.**
7) **Display the details of those faculties whose salaries are greater than 30000.**
8) **Increase the salary by 2000 where F_id is 04.**

Modern Public School

Holiday Homework (2025-26)

Class XI Sub- English

Q1. Create a poster on theme “The wonders of science” .Use compelling visuals and slogans to support your message.

Q2. You want to sell out your flat in Agra. Draft a suitable advertisement in about 50 words, to be published in the classified columns of a national daily. You are Suhani Talwar.

Q3. Choose any suitable passage and from your reference book and

1. Make notes on the above passage giving suitable headings, sub-headings and abbreviations.
2. Give suitable title of the passage and write summary.

Q4. Imagine you are the speaker in the poem ‘A Photograph’ by Shirley Toulson. Describe how absence of your mother has impacted your life, reflecting on the sense of emptiness, the flood of memories and the significance of moments shared with her.

Q5. What impression do you form about the narrator on the basis of reading ‘we are not afraid to die.....if we can all be together’?

Q6. The society in the story ‘The summer of the Beautiful White Horse’ runs successfully on two fundamental values of trust and truth. Do you agree ? Why/ Why not ?

Q7. Prepare a project file on the topic discussed in class. Make it neatly on A4 size sheet and paste pictures.

Q8. Create a short ‘TIME TRAVEL’ project on a historical event using all tenses.

Holiday Homework

Class XI

Subject Business Studies

1. Which of the followings cannot be classified as an Auxiliary to Trade?

(a) Oil Extraction (c) Warehousing

(b) Insurance (d) Transport.

2. Which of the following is/are the main reason(s) of decline in indigenous banking in India after Independence ?

(a) Nationalisation of banks

(b) Denationlisation of banks

(c) Emergence of modern commercial banks

(d) Both (a) and (c)

3. Primary industry engaged in the activity of breeding and reproducing plants and animals is known as

(a) Extractive Industry

(b) Processing Industry

(c) Genetic Industry

(d) Analytical Industry.

4. The uncertainty of rewards and a possibility of loss are known as

(a) Risks

(b) Rewards

(c) Profits

(d) None of these.

5. "Unexpected increase in competition" relates to which type of cause of Business Risk.

(a) Economic Cause

(b) Human Cause

(c) Natural Cause

(d) None of above.

6. The industries which provide support services to other industries are known as

(a) Primary industries

(c) Commercial industries

(b) Secondary industries

(d) Tertiary industries.

Q. Nos 7-10 are based on the following CASE PROBLEM.

Jetha wants to start a wholesale business of stationery items. But he is hesitating as it will involve hinda related to finding consumers, moving goods from place of production to market, storing goods because o gap between production and consumption, risk of theft, fire, accidents, procurement of capital to finance activities, providing information to the consumers about products, etc.

He approaches his friend Balwinder to discuss his problem. Balwinder, who himself imports the electric app for the purpose of exporting them to other countries, advises Jetha to carry on with his plan and explains various functions performed by the second limb of business, te, Commerce.

Balwinder elaborates on various advantages of 'trade' and 'Auxiliaries to Trade'. After getting convinced. advice given by Balwinder, Jetha starts the business and finds no major problems at all in converting his des an ongoing business

7. Trade may be broadly categorised into two categories. Name the category under which Jetha is doing the wholesale business of stationery items.

(a) Internal trade

(b) External trade

(c) Entrepot

(d) None of above

8. Before starting the business, Jetha was afraid of some hindrances which were removed by the functions commerce. Name that part of commerce which exclusively helps in the process of trading the goods and s

(a) Auxiliaries to trade

(b) Entrepot trade

(c) Import

(d) Export

9. External trade may be broadly classified into three types. Name the type under which Balwinder was c business.

(a) Ent repot

(b) Import trade

(c) Retail trade

(d) None of above

10. Name the service which helps Jetha to remove the hindrance of procurement of capital to finance business

(a) Banking

(b) Transportation

(c) Warehousing

(d) Insurance

11. Categories the following into business, profession and employment.

(c) A lawyer

(a) A doctor

(b) A clerk

(d) A merchant.

12. Differentiate between Partnership and Sole Proprietorship form of business.

13. Briefly discuss the various types of Partnership.

14. Discus the various types of partners and indicate in which cases, the partners have unlimited liability?

15. Differentiate between Partnership and Company form of business organisation.

16. There are various types of cooperative societies which vary in their nature of activities. Discuss any three such cooperative societies.

17. "Cooperative society offers various advantages as compared to other forms of business organisation Comment.

18. Discuss the various merits and limitations of Joint Stock Company.

19.. Discuss the meaning of public company and private company. What are the various privileges available to a private company over the public company?

मॉडर्न पब्लिक स्कूल
ग्रीष्मावकाश गृहकार्य (2025-26)
कक्षा - ग्यारहवीं
विषय - हिंदी

प्रश्न 1. जनसंचार माध्यमों का सकारात्मक तथा नकारात्मक प्रभाव बताइए।

प्रश्न 2. लिपि से मुद्रण तक का सफर कैसे तय किया गया। स्पष्ट कीजिए ।

प्रश्न 3. गोपियाँ मुरली के अलावा और किस - किस के प्रति ईर्ष्या-भाव रखती थीं, नाम लिखिए ।

प्रश्न 4. अभिव्यक्ति और माध्यम के पाठ-1,2 के अतिरिक्त प्रश्न कीजिए ।

प्रश्न 5. "भयंकर गर्मी में चौराहे पर बच्चों द्वारा भीख माँगना" विषय पर दृश्य लेखन लिखिए।

MODERN PUBLIC SCHOOL SEC.37 FBD

CLASS XI SUB. MATHS

(HOLIDAY HOMEWORK 2025-26)

CHAPTER-1 (SETS)

MULTIPLE CHOICE QUESTIONS::

Q.1 If A, B and C are any three sets, then A × (B ∪ C) is equal to:

A. (A × B) ∪ (A × C) B. (A ∪ B) × (A ∪ C)

C. (A × B) ∩ (A × C) D. None of the above

Q.2 The range of the function f(x) = 3x – 2, is:

A. (- ∞, ∞) B. R – {3} C. (- ∞, 0) D. (0, – ∞)

Q.3 How many elements are there in the complement of set A?

A. 0 B. 1 C. All the elements of A

D. None of these

Q.4 Empty set is a _____.

A. Infinite set B. Finite set C. Unknown set D. Universal set

Q.5: The number of elements in the Power set P(S) of the set S = {1, 2, 3} is:

A. 4 B. 8 C. 2 D. None of these

Q.6 Order of the power set P(A) of a set A of order n is equal to:

A. n B. 2n C. 2n D. n2

Q.7 Which of the following two sets are equal?

A. A = {1, 2} and B = {1} B. A = {1, 2} and B = {1, 2, 3}

C. A = {1, 2, 3} and B = {2, 1, 3} D. A = {1, 2, 4} and B = {1, 2, 3}

Q.8 Let U = {1, 2, 3, 4, 5, 6, 7, 8, 9, 10}, P = {1, 2, 5}, Q = {6, 7}. Then P ∩ Q' is :

A. P B. Q C. Q' D. None

Q.9 The cardinality of the power set of {x: x∈N, x≤10} is _____.

A. 1024 B. 1023 C. 2048 D. 2043

Q.10 Write X = {1, 4, 9, 16, 25,…} in set builder form.

A. X = {x: x is a set of prime numbers} B. X = {x: x is a set of whole numbers}

C. X = {x: x is a set of natural numbers} D. X = {x: x is a set of square numbers}

EXTRA QUESTIONS::

Q. 1: Write the following sets in the roster form.

(i) A = {x | x is a positive integer less than 10 and 2x – 1 is an odd number}

(ii) C = {x : x2 + 7x – 8 = 0, x ∈ R}

Q. 2: Write the following sets in roster form:

(i) A = {x : x is an integer and –3 ≤ x < 7}

(ii) B = {x : x is a natural number less than 6}

Q. 3: Given that N = {1, 2, 3, …, 100}, then

(i) Write the subset A of N, whose elements are odd numbers.

(ii) Write the subset B of N, whose elements are represented by x + 2, where x ∈ N

Q. 4: Let X = {1, 2, 3, 4, 5, 6}. If n represent any member of X, express the following as sets:

(i) n ∈ X but 2n ∉ X

(ii) n + 5 = 8

(iii) n is greater than 4

Q. 5: Let U = {1, 2, 3, 4, 5, 6}, A = {2, 3} and B = {3, 4, 5}.

Find A′, B′, A′ ∩ B′, A ∪ B and hence show that (A ∪ B)′ = A′∩ B′.

Q. 6: Use the properties of sets to prove that for all the sets A and B, A – (A ∩ B) = A – B

Q. 7: Let U = {1, 2, 3, 4, 5, 6, 7}, A = {2, 4, 6}, B = {3, 5} and C = {1, 2, 4, 7}, find

(i) A′ ∪ (B ∩ C′)

(ii) (B – A) ∪ (A – C)

Q. 8: In a class of 60 students, 23 play hockey, 15 play basketball,20 play cricket and 7 play hockey and basketball, 5 play cricket and basketball, 4 play hockey and cricket, 15 do not play any of the three games. Find

(i) How many play hockey, basketball and cricket

(ii) How many play hockey but not cricket

(iii) How many play hockey and cricket but not basketball

Q. 9: Let U = {x : x ∈ N, x ≤ 9}; A = {x : x is an even number, 0 < x < 10}; B = {2, 3, 5, 7}. Write the set (A U B)'.

Q. 10: In a survey of 600 students in a school, 150 students were found to be drinking Tea and 225 drinking Coffee, 100 were drinking both Tea and Coffee. Find how many students were drinking neither Tea nor Coffee.

Q.11 Let A, B and C be sets, then show that A ∩ (B ∪ C) = (A ∩ B) ∪ (A ∩ C).

Q.12 Out of 100 students; 15 passed in English, 12 passed in Mathematics, 8 in Science, 6 in English and Mathematics, 7 in Mathematics and Science; 4 in English and Science; 4 in all the three. Find how many passed:

i) in English and Mathematics but not in Science

ii) in Mathematics and Science but not in English

iii) in Mathematics only

iv) in more than one subject only

Q.13 Two finite sets have m and n elements, respectively. The total number of subsets of first set is 56 more than the total number of subsets of the second set. The values of m and n respectively are: (A) 7, 6 (B) 5, 1 (C) 6, 3 (D) 8, 7

Q.14 Let A and B be two sets, if A ∩ X = B ∩ X = φ and A U X = B U X for some set X, prove that A =B.

CHAPTER 2 RELATION AND FUNCTIONS

MULTIPLE CHOICE QUESTIONS

1. If f(x) = x3 – (1/x3), then f(x) + f(1/x) is equal to

(a) 2x3. (b) 2/x3 (c) 0. (d) 1

2. Let n (A) = m, and n (B) = n. Then the total number of non-empty relations that can be defined from A to B is

(a) mn. (b) nm – 1 (c) mn – 1 (d) 2mn – 1

3. If f(x) = x2 + 2, x ∈ R, then the range of f(x) is

(a) [2, ∞) (b) (-∞, 2]

(c) (2, ∞) (d) (-∞, 2) U (2, ∞)

4. What will be the domain for which the functions f(x) = 2x2 – 1 and g(x) = 1 – 3x are equal?

(a) {-2, 1} (b) {1/2, -2} (c) [2, 12] (d) (-1, 2)

5. If [x]2 – 5 [x] + 6 = 0, where [.] denotes the greatest integer function, then

(a) x ∈ [3, 4] (b) x ∈ (2, 3]. (c) x ∈ [2, 3]. (d) x ∈ [2, 4)

6. If f(x) = ax + b, where a and b are integers, f(–1) = – 5 and f(3) = 3, then a and b are equal to

(a) a = – 3, b = –1 (b) a = 2, b = – 3

(c) a = 0, b = 2 (d) a = 2, b = 3

7. The domain of the function f(x) = x/(x2 + 3x + 2) is

(a) [-2, -1] (b) R – {1, 2} (c) R – {-1, -2} (d) R – {2}

8. The range of f(x) = √(25 – x2) is

(a) (0, 5) (b) [0, 5]. (c) (-5, 5) (d) [1, 5]

9. The domain and range of the real function f defined by f(x) = (4 – x)/(x – 4) is given by

(a) Domain = R, Range = {–1, 1}

(b) Domain = R – {1}, Range = R

(c) Domain = R – {4}, Range = {– 1}

(d) Domain = R – {– 4}, Range = {–1, 1}

10. The domain and range of the function f given by f(x) = 2 – |x −5| is

(a) Domain = R+ , Range = (– ∞, 1]

(b) Domain = R, Range = (– ∞, 2]

(c) Domain = R, Range = (– ∞, 2)

(d) Domain = R+ , Range = (– ∞, 2]

EXTRA QUESTIONS:

Q.1: Write the range of a Signum function.

Q.2: The Cartesian product A × A has 9 elements among which are found (–1, 0) and (0,1). Find the set A and the remaining elements of A × A.

Q.3: Express the function f: A—R. f(x) = x2 – 1. where A = { -4, 0, 1, 4) as a set of ordered pairs.

Q.4: Assume that A = {1, 2, 3,…,14}. Define a relation R from A to A by R = {(x, y) : 3x – y = 0, such that x, y ∈ A}. Determine and write down its range, domain, and codomain.

Q.5: Let f(x) = x2 and g(x) = 2x + 1 be two real functions. Find

(f + g) (x), (f –g) (x), (fg) (x), (f/g) (x)

Q.6: Redefine the function: f(x) = |x – 1| – |x + 6|. Write its domain also.

Q.7: Find the domain and range of the real function f(x) = x/1+x2.

Q.8 Let A = {1, 2, 3}, B = {4} and C = {5}

(i) Verify that: A x (B – C) = (A x B) – (A x C)

(ii) Find (A x B) ∩ (A x C).

Q.9 Find x and y if: (i) (4x + 3, y) = (3x + 5, – 2) (ii) (x – y, x + y) = (6, 10)

Q.10 Find the domain for which the functions f (x) = 2x2 – 1 and g (x) = 1 – 3x and check whether they are equal.

Q.11. Find the domain and range of the real function f(x) = 1/(1 – x2).

Q12.. A relation R is defined from a set A = {2, 3, 4, 7} to a set B = { 3, 6, 9, 0} as follows R = ((x,y) ∈ R : x is relatively prime to y; x ∈ A, y ∈ B). Express R as a set of ordered pairs and determine the domain and range.

Q13. Draw the graph of the function f: R → R defined by f (x) = x3, x ∈ R

Q.14. If R3 = {(x, x) | x is a real number} is a relation, then find the domain and range of R3.

Q.15. Redefine the function f (x) = |x − 2| + |2 + x| , – 3 ≤ x ≤ 3.

Q.16. In each of the following cases, find a and b.

(i)(2a + b, a – b) = (8, 3)

(ii) {a/4, a – 2b) = (0, 6 + b)

Q.17.. If R1 = {(x, y)| y = 2x + 7, where x∈ R and -5 ≤ x ≤ 5} is a relation. Then find the domain and range of R1.

Q.18.. Let f and g be real functions defined by f(x) = 2x+ 1 and g(x) = 4x – 7.

(i) For what real numbers x, f(x) = g(x)?

(ii) For what real numbers x, f (x) < g(x)?

Q.19. The ordered pair (5, 2) belongs to the relation R ={(x, y): y = x – 5, x, y∈Z}

Q.20 The function f is defined by

$$f(x) = \begin{cases} 1-x, & x<0 \\ 1, & x=0 \\ x+1, & x>0 \end{cases}$$

Draw the graph of f(x).

MODERN PUBLIC SCHOOL

Sector-37 Faridabad

Holiday Homework

XI Economics

Session- 2025-26

1.Does production only take place on the PPC. Explain with properly labelled diagram.

2. Name and discuss the technical term used to denote the rate at which the quantity of output of one good is sacrificed to produce one more unit of the other good. Explain with example.

3.Distinguish between substitute goods and complementary goods with example of each.

4. Explain why there is inverse relationship between price and quantity demanded of a commodity? 4 points.

5. Explain the functions of statistics.

6. Price elasticity of demand of a good is (-) 0.50. calculate the percentage fall in its price that will result in 15% rise in its demand.

7. Price elasticity of demand of a good is (-) 1. At a given price the consumer buys 120 units of the good. How many units will the consumer buy if price falls by 10%?

8. You want to research on the popularity of vegetable Attta noodles among children design a suitable questionnaire for collecting this information.