K.V.M. PUBLIC SCHOOL HALDWANI
HOLIDAY WORK-2025-26
CLASS – XII COMMERCE
BUSINESS STUDIES

SHORT ANSWER QUESTIONS-

1. Define management. What do you mean by managers?

2. How is the principle of 'Unity of Command' useful to management? Explain briefly.

3. 'Science is a systematized body of knowledge that explains certain general truths or the operation of general laws.' In the light of this statement, describe management as a science.

4. Explain the technique of scientific management that is the extension of principle of division of work and specialisation.

5. "A successful enterprise has to achieve its goals effectively and efficiently" Explain.

6. Discuss the relevance of Taylor and Fayol's contribution in the contemporary business environment.

7. If an organisation does not provide the right place for physical and human resources in an organisation, which principle is violated? What are the consequences of it?

8. What do you mean by levels of management?

9. Discuss the following techniques of scientific management-
(a) Mental Revolution   (b) Simplification and standardisation of work

10. Why it is said that principles of management are mainly behavioural in nature.

LONG ANSWER QUESTIONS-

11. Co-ordination is the essence of management. Do you agree? Give reasons.

12. Explain the principle of 'Scalar Chain' and 'Gang plank'.

13. T limited was engaged in the business of food processing and selling its products under a popular brand. Lately the business was expanding due to good quality and reasonable prices. Also with more people working the market for processed food was increasing. New players were also coming to cash in on the new trend. In order to keep its market, share in the short run the company directed its existing workforce to work overtime. But this resulted in many problems. Due to increased pressure of work, the efficiency of the workers declined. Sometimes the subordinates had to work for more than one superior resulting in declining efficiency. The divisions that were previously working on one product were also made to work on two or more products. This resulted in a lot of overlapping and wastage. The workers were becoming undisciplined. The spirit of teamwork, which had characterised the company, previously was beginning to wane. Workers were feeling cheated and initiative was declining. The quality of the products was beginning to decline and market share was on the verge of decrease. Actually the company had implemented changes without creating the required infrastructure.
1. Identify the principle of management (out of 14 given by Henry Fayol) that were being violated by the company.
2. Explain these principles in brief.

14. Real Alliance Ltd. is a well-known cement company in India. It is able to earn adequate revenues to cover costs. Its capital base, number of employees and production turnover has increased manifolds over the years. The rate of profitability of the business is also creditable. The employees of the company are happy and satisfied with their remuneration, working conditions, promotion policy etc. As a part of its moral obligation, the company has taken many initiatives for providing employment to specially challenged persons and promoting literacy in the villages adopted by it.In the context of the above case:
1. Identify and explain the various types of objectives of management being fulfilled by Real Alliance Ltd by quoting lines from the paragraph.
2. List any two values that Real Alliance Ltd. wants to communicate to the society.

15. Rishitosh Mukerjee has recently joined AMV Ltd, a company manufacturing refrigerators. He found that his department was under-staffed and other departments were not cooperating with his department for smooth functioning of the organisation. Therefore, he ensured that his department has the required number of employees and its cooperation with other departments is improved.
1. Identify the level at which Rishitosh Mukerjee was working.

2. Also, state three more functions required to be performed by Rishitosh Mukerjee at this level.

ECONOMICS

NOTE: Answer the following questions in revision note book and complete the project as assigned to each student topic wise: -

1. What do you mean by factor income to abroad? State it's components.
2. "Machine purchased is always a Capital Good". Defend or Refute.
3. "Net Factor Income from Abroad can never be negative". Defend of Refute the statement.
4. Justify the following statements:
   a) Depreciation is a fall in the value of fixed asset due to expected obsolescence.
   b) Depreciation is fall in the value of an asset due to unexpected obsolescence.
   c) Leakages are withdrawals from the circular flow of income.
5. "Circular flow of income in a two sector economy is based on the axiom that one's expenditure is other's income". Do you agree with the given statement? Support your answer with valid reasons.
6. "In a two sector economy, national product is always equal to national income". Comment.
7. State True or False with reason.
   a) Domestic income of a country can be more than its national income.
   b) GDP at MP can be greater than GDP at FC.
   c) Domestic product of a country is always lesser than national product.
   d) India's economy was poor and backward before the colonial rule.
   e) Primary motive of deindustrialization by the British rule was to promote India's economy.
   f) Land ceiling refers to change in the ownership of landholdings..
   g) There was a risk of pest attack under green revolution.
8. State the situation when National Income is equal to Domestic income.
9. State the utility of NIT and NFIA.
10. 'Atmanirbhar Bharat' had been at the roots of the Indian planning process in the form of 'self reliance' as an objective of the planning process. Do you agree with the given statement? Justify the rationale of the given statement.
11. Discuss briefly the rational behind the 'License Raj' under the IPR, 1956.
12. The goal of equity was fully served by ' Abolition of Intermediaries'. Comment.
13. "Indian agriculture did not suffer due to partition". Defend or Refute.
14. "The demographic condition during the British rule exhibited all features of a backward Indian economy ". Do you agree? Give reasons in support of your answer.
15. "The debate over farm subsidies in India is enraged at different platforms". Discuss any two arguments against farm subsidies.

ACCOUNTANCY

Make Specific project on any two of the following topics: -

1) **Ratio Analysis**
2) **Segment Analysis.**
3) **Cash Flow Statement Source Documents and Vouchers.**

The project should be prepared and presented in this order:

1- Cover Page	2- Acknowledgement	3- Index
4- Certificate	5- Index	6- Content Pages
7- Conclusion	8- Bibliography	9- Teacher's remark

Instructions: i. It must be hand written.

ii. Relevant Financial Statements and pictures must be pasted.

PHYSICAL EDUCATION

Prepare track and field file. The file must include the following points and should be in the given sequence: -
*Hockey, football, volleyball, kho kho, kabaddi, basketball, table tennis, cricket, judo (any one game)
*History (world and Indian)
*Dimensions of game with diagram
* Equipment used in game
*Terminology use in game
*Skill of game
*Awardes name
(Arjun Award, Dronacharya Award, Major Dhyaan Chand Khel Ratna Award)
(Write only those who got first time and recently only)
*Famous personality international (5 males and 5 female) and national both (5 males and 5 female)
(Write few points regarding the players)
*Venue (5 International and 5 National)
•   Relevant pictures and maps must be pasted.

ENGLISH

1. Read any of the following classic texts from the options below:
Hamlet - William Shakespeare
Twelfth Night - Shakespeare
Julius Caesar - Shakespeare
Arms and the Man- George Bernard Shaw
Strife - John Galsworthy
2. Write an analytical response for any of the plays. (400–500 words each) including:
a. Summary (in your own words, 100–120 words)
b. Main conflict (internal or external? How is it resolved?)
c. Character analysis – Focus on one main character
d. Central theme/message of the story
e. Use of literary devices (irony, symbolism, foreshadowing, etc.)
f. Personal reflection – What did the story teach you? Did it surprise you?

YOGA

1. What are the benefits of practicing yoga for physical and mental health?
2. Explain the concept of Asanas and their importance in yoga.
3. Describe the different types of Pranayama and their benefits.
4. What is the significance of Shatkarma in yoga and how does it contribute to overall well-being?
5. Discuss the importance of relaxation and meditation in yoga.

MATHEMATICS

1. Show that: $2 \tan^{-1}\left\{\tan\frac{\alpha}{2}\tan\left(\frac{\pi}{4}-\frac{\beta}{2}\right)\right\} = \tan^{-1}\left(\frac{\sin\alpha\cos\beta}{\cos\alpha\sin\beta}\right)$.

2. Find the real solution of $\tan^{-1}\sqrt{x(x+1)} + \sin^{-1}\sqrt{x^2+x+1} = \frac{\pi}{2}$

3. Show that each of the relation R in the set A = { x ∈ Z : 0 ≤ x ≤12}, given by
        (i) R = { (a, b): |a-b| is a multiple of 4}
          (ii) R = { (a, b): a=b is an equivalence relation.
          Find the set of all elements related to 1 in each case

4. Let f : R - $\left\{-\frac{4}{3}\right\}$ →R be a function defined as f(x) = $\frac{4x}{3x+4}$. Show that in f: R - $\left\{-\frac{4}{3}\right\}$ → Range of f , f is one – one and onto.

5. Express the following matrix as the sum of symmetric and skew symmetric matrix, and verify your result. $\begin{bmatrix} 3 & -2 & -4 \\ 3 & -2 & -5 \\ -1 & 1 & 2 \end{bmatrix}$

6. Let A = $\begin{bmatrix} 2 & 3 \\ -1 & 2 \end{bmatrix}$ Then show that $A^2 - 4A + 7I = 0$. Using this result calculate A^8.

7. Find the matrix A satisfying the matrix equation $\begin{bmatrix} 2 & 1 \\ 3 & 2 \end{bmatrix} A \begin{bmatrix} -3 & 2 \\ 5 & -3 \end{bmatrix} = \begin{bmatrix} 1 & 0 \\ 0 & 1 \end{bmatrix}$.

8. Prove that every square matrix can be uniquely expressed as the sum of a symmetric and skew symmetric matrix.

9. If A and B are symmetric matrices, such that AB and BA are both defined, the prove that AB-BA is a skew symmetric matrix.

10. Determine the product $\begin{bmatrix} -4 & 4 & 4 \\ -7 & 1 & 3 \\ 5 & -3 & 1 \end{bmatrix} \begin{bmatrix} 1 & -1 & 1 \\ 1 & -2 & -2 \\ 2 & 1 & 3 \end{bmatrix}$ and use it to solve the system of equations
x- y+ z=4, x-2y-2z=9 , 2x+y+3z=1.

11. If X and Y are two sets having 2 and 3 elements respectively, then find the number of functions from X to Y

12. Let A = { x ∈ R : -1 ≤ x ≤1}= B. show that f: A→ B given by f(x) = x |x| is a bijection.

13. Let A = R – {2} and R = R- {1}. If f: A→ B is a function defined by $f(x) = \frac{x-1}{x-2}$, show that f is one-one and onto.

14. Determine whether each of the following relations are reflexive, symmetric and transitive:
(i)Relation R in the set A = {1, 2, 3…13, 14} defined as
R = {(x, y): 3x − y = 0}
(ii) Relation R in the set **N** of natural numbers defined as
R = {(x, y): y = x + 5 and x < 4}
(iii) Relation R in the set A = {1, 2, 3, 4, 5, 6} as
R = {(x, y): y is divisible by x}
(iv)Relation R in the set **Z** of all integers defined as
R = {(x, y): x − y is as integer}

15. Check the injectivity and surjectivity of the following functions:

(i) f: **N** → **N** given by f(x) = x^2 (ii) f: **Z** → **Z** given by f(x) = x^2 (iii) f: **R** → **R** given by f(x) = x^2

INFORMATICS PRACTICES

General Instructions:
▪ Neatly write all the answers in your I.P notebook.

Answer the following questions:

Q1.What is the difference between a Series and Data Frame data structure of Pandas?

Q2.Consider the following command to generate a data series "b".
    b=pd.Series([37,20,45.5,np.NaN,40],index=['a','b','c','d','e'])
Write the command to sort the values in ascending order for the above mentioned series. Also write the output generated after sorting.

Q3.What is Head and tail Function in Pandas data structures? What happens when no parameter is passed to these functions? Explain with an example

Q4.Give the output for the following:
import pandas as pd1
s = pd1.Series ([1, 2, 3, 4, 5], index = ['a','b','c','d','e'])
 print (s.head (3))
 print (s.tail (3))

Q5. Write the output of the following: import pandas as pd
emp={'TNO':['T01','TO2','T03','T04','TO5'],'TNAME':['AMIT','RAJESH','BINNY','CHARU','MEENAKSHI'],'TADD':['123 PASCHIM VIHAR','6/11 RAMESH NAGAR','5 WEST PUNJABHI BAGH','23 MALVIYA NAGAR','19 MEERA BAGH'],'SALARY':[23000,34000,12000,45000,34000]}
df=pd.DataFrame(emp,columns=['TNO','TNAME','TADD','SALARY'])
(a) print(df) (b) print(df['TNAME']) (c) print(df.iloc[1:3]) (d) print(df.loc[2:6])