

## Home Assignment Class XII Commerce

### English

1. Write a classified advertisement for a professional photographer seeking a high profile job with an ad agency ,a video company or a fashion house. Write in about 50 words.
  2. As the Sports' Captain of your school, write a letter to the Principal informing him of the urgent need of repairs to the tennis and basketball courts. Also request to purchase some cricket items. [Word limit 120-150]
  3. After class 12, students are apprehensive about choosing the course and the college. The Mission Admission organized by the Times of India is a great platform for college aspirants. It would help them to get knowledge about emerging opportunities in various streams. Write an article in 150-200 words emphasizing the need of career counseling to help students with the admission process.
  4. Prepare a speech to be delivered on 'Power of Positive Thinking' in the morning assembly in about 150-200 words.
  5. You saw a train accident last week when a train collided with another train while changing the track .Write a report in about 150-200 words.
  6. The whole nation and its citizens are witnessing unprecedented time. The threat of COVID-19 has affected all the lives – from a commoner to a billionaire. Amidst this crisis people have found innovative ways to spend their time during lockdown of 21 days. What do you do to spend your time, write a paragraph on your practices during the self isolation.
  7. Colors are the essence of life .There are many idioms in English which have colours name in them for instance – Green Thumb means a person fond of gardening , Golden opportunity means a good chance. Find out ten such interesting idioms with their meanings and use them in sentences of your own.
  8. Design a poster to sensitize the people regarding the threat of COVID-19. Create your own jingle to make it impactful.
6. "A reader lives a thousand lives before he dies." Here is a list of some classic novels for you to read and enrich yourself. You can read them in summary form on internet .
- The Tempest by William Shakespeare  
David Copperfield by Charles Dickens  
Wuthering Heights by Emily Bronte  
Tess of the D'Urbervilles by Thomas Hardy  
Silas Marner by George Eliot
- Once you read them , write a short note on the novel you liked most and on the character that you found interesting stating the reason for your liking in about 100 words.

**Note-All the work should be done meticulously in a separate file or thin notebook .**

### Mathematics

- Q.1. Find the sum of the series  $5^3 + 6^3 + \dots + 10^3$
- Q. 2 Find the number of all one-one functions from set  $A = \{1, 2, 3\}$  to itself.
- Q. 3 Show that if  $f : A \rightarrow B$  and  $g : B \rightarrow C$  are one-one, then  $g \circ f : A \rightarrow C$  is also one-one.
- Q.4 Show that the relation  $R$  on the set  $Z$  of all integers, given by  $R = \{(a, b) : 2 \text{ divides } (a - b)\}$  is an equivalence relation
- Q.5 : If roots of the equation  $(a - b)x^2 + (c - a)x + (b - c) = 0$  are equal, then  $a, b, c$  are in
- (i) A.P. (ii) H.P. (iii) G.P. (iv) none of these
- Q. 6 A committee of two members is selected from two men and two women. What is the probability that the committee will have one man.

Q.7 Given that P (3, 2, -4), Q (5, 4, -6) and R (9, 8, -10) are collinear. Find the ratio in which Q divides PR.

Q. 8 Given that the events A and B are such that  $P(A) = 1/2$ ,  $P(A \cup B) = 3/5$ , and  $P(B) = p$ . Find p if they are (i) mutually exclusive

(ii) independent

Q.9 Determine the principal value of  $\cos^{-1}(-1/2)$

Q.10 There are twenty students in a class. If 8 of them are girls and a team of 2 boys and 2 girls is to be selected from the class for its anniversary, in how many ways it can be done.

Q.11 If 15 men or 24 women or 36 boys can do a piece of work in 12 days, working 8 hours a day, how many men must be associated with 12 women and 6 boys to do another piece of work  $2\frac{1}{2}$  times as great in 30 days working 6 hrs a day?

Q.12 Find the equation of the lines through the point of intersection of the lines  $x - y + 1 = 0$  and  $2x - 3y + 5 = 0$  and whose distance from the point (3,2) is  $7/5$ .

Q.13 Find the equation of one of the sides of an isosceles right angled triangle whose hypotenuse is given by  $3x + 4y = 4$  and the opposite vertex of the hypotenuse is (2,2).

Q.14 Evaluate  $\lim_{x \rightarrow \pi/4} \frac{\tan x^3 - \tan x}{\cos(x + \frac{\pi}{4})}$

Q.15 Project (i) Project on history of Mathematicians: It may include history of Indian mathematicians such as Aryabhata, Brahmgupta, Varahamihir, Sridhara, Bhaskaracharya, Ramanujan etc., and history of foreign mathematicians such as Cantor, Pythagoras, Thales, Euclid, Appollonius, Descartes, Fermat, Leibnitz, Euler, Fibonac, Gauss, Newton, etc.

(ii) Prepare a project based on the Fibonacci sequence, their properties and similar pattern found in nature.

## Accountancy

Financial statements of Not-for-profit Organisations

1. Distinguish between Income and Expenditure Account and Receipt and Payment Account on the basis of :

I) Nature II) Nature of items III) Period

2. Explain the following terms : I) Capital Fund II) Legacy III) Specific Donations.

3. How would a Non-Profit organisation record the following items while preparing the Income and Expenditure Account and Balance Sheet:

I) Entrance fees II) Life Membership fees III) legacy IV) General Donation

4. Solve the problem no. 10 to 16 page no. 1.69

21 to 29 page no. 1.70

Problem no. 4 to 14 page no. 1.73 to 1.75

## Subject :- Business Studies

### Chapter :-Nature and Significance of management

I) Multiple choice questions :-

1."Management is the art of getting things done through and with the people in formally organised group ".Who said this :-

- a) Koontz and O'Donnell      b) Henry Fayol      c) George R. Terry      d) Peter F. Drucker

2.Effectiveness refers to complete the task :-

- a) On time.      b) No matter whatever is the cost.      c) Both a and b above.      d) In a cost effective manner

3."Management is what management does. "-Newman and Logan lay down which of the following function as aspects of managerial job :-

- a) Determining policies and objectives.      b) Developing resources.      c) Guiding the execution of plans.      d) All of the above

4."Management is a profession. "This statement is of:-

- a) George R. Terry.      b) American Management Association  
c) Henry Fayol.      d) None of these

5.Policy formulation is the function of :-

- a) Top-level managers      b) Middle -level managers      c) Operational management  
d) All of these

6.The essence of management is:-

- a) Co-ordination.      b) Organisation      c) Staffing.      d) Both a and b above

7.Higher -level management spend on planning part of time is :-

- a) 35%      b) 50%      c) 75%      d) 80%

8.Ramesh works as a production manager in A to Z Enterprises Limited. He has been given the task of getting 1000 units of hand woven table mats manufactured at the cost of Rs. 150 per unit within 10 days. In order to be acknowledged as an effective manager, he must ensure that :

- a) The cost of production does not exceed Rs. 150 per unit.  
b) The work is completed within 10 days even at higher cost per unit.  
c) The cost of production is less than rs. 150 per unit.  
d) all of the above.

9.Mohan is working as a marketing manager in a company. Has been given the task of selling 1,00,000

units of a product at the cost of Rs. 100 per unit within 20 days. He is able to sell all the units within the stipulated time, but had to sell last 1,000 units at 20% discount in order to complete the target. In such a situation, he will be considered to be :-

- a) An efficient manager
- b) An effective manager
- c) Both effective and efficient manager
- d) None of the above

10. Keeping in view the changes in the consumer demands and preferences 'Tastemaker Bakery' has reduced the sugar and fat content in its products. This approach of business shows that management is :-

- a) An intangible force
- b) A group activity
- c) A dynamic function
- d) A multidimensional activity

II State whether the following statements are True or false :-

1. Management is an art, not science.
2. Management is an integral part of the society.
3. Management is the foundation of America's property.
4. Management process is universal.
5. Planning is a process of thinking about past.
6. Management also involves quick and correct decisions.
7. Functions of management are simultaneously performed by all managers all the time.
8. There is no compulsion for managers to be the members of any management association nor does it have any statutory backing.

III Fill in the blanks :-

1. The main cause of slow progress of India is the lack of.....
- 2.....is the essence of management.
3. Planning is the process of thinking about.. ..
- 4.....motivates employees to do more work.
5. Management starts from.....

IV State the correct answer :-

1. "Successful organisations do not achieve their goals by chance by following a deliberate process. Identify the process highlighted here."
2. Identify the nature of management when it is said to be systematised body of knowledge that explains

some general truths.

3.Name the level of management that is responsible for the welfare and survival of the organization.

4.In which level of management does directing taken place.

5."Supply of quality goods at reasonable price. "Which objectives of business is covered in this?

V Long answer questions :-

Q. 1 Management is both a science and an art. In the light of this statement explain the nature of management?

Q. 2 Co-ordination is needed at all the levels of management. Explain this statement?

Q. 3 Describe briefly multi -dimension functions of management?

Q. 4 'Management is a series of continuous interrelated functions. 'Comment.

Q5 In the absence of management all the resources of an organisation remain as resources only and never become production. Explain the importance of management in the light of this statement.

## **Economics**

Macro - Chapter 1-3

IED- Ch 1 & 2

Read the Chapters given and write the answers of chapter end exercises in fair note books.

PROJECT WORK

Work upon following;

Title, Collection of research material/ data, Organisation of material /data, presentation of material data, Analysing the material/ data for conclusion, Draw the relevant conclusion Presentation of Project work.

CHECKLIST

Introduction of the topic

Identifying the causes, consequences and remedies

Various stakeholders and effect on each of them

Advantages and disadvantages

Short term and long term implications

Validity, reliability, appropriateness and relevance of data used

Coherence in topic

Citation of contents, foot notes, resource section, bibliography etc.

## TOPICS

Small Scale Industries, Contemporary Employment situation in India, GST and its impact on GDP, HDI, Corona an undeclared war and its impact on world/ indian economy, Self -Help Group, Monetary Policy, Govt. Budget, foreign Exchange Determination, livestock- Backbone of rural India, Waste Management in India, Digital India, Make in India, Food supply Channels in India, Organic Farming, RBI, Inclusive Growth Strategy , Health Expenditure of Uttarakhand, Rain Water Harvesting, Alternate Fuel , Credit creation by commercial banks

Select any one from the list and compile facts, data, contents, picture, graph etc.

## Physical Education

Project file of any one game and sports:- Basketball, Volleyball, Handball, Kabaddi, Kho Kho, Football

Contents:-

1 history

2 fundamental skill

3 field and measurement

4 terminology

5 common sports injuries

6 Important personality

7 Tournaments

8 Equipments

9 Essential nutritional for players