

HOLIDAY HOMEWORK 2023-24
CLASS XII COMMERCE

BUSINESS STUDIES

Ch -1 NATURE AND SIGNIFICANCE OF MANAGEMENT

Case Studies

Q1. Delhi CM Mr. Arvind Kejriwal launched Odd Even rule for cars in Delhi to cut pollution by restricting the number of cars running on city road.

- a) Identify and explain the objective of Management highlighted by our Chief Minister in the above case.
b)

Q2. Mrs. Wason passed her MBBS examination and passed MS examination as an eye specialist. After 2 years of completing her studies, she joined a big hospital as an eye surgeon. Now she is performing successfully since last few years. Mr. Madan founder of CTA feels that Mrs. Wason is experiencing the aspect of science and Ms. Sachdeva feels that she is experiencing the aspect of Art. Who is right? Give reasons in support of your answer.

Q3 Shiv Nadar, chairman and CEO of HCL attributes the success of the group to its management team and their entrepreneurial spirit which together have enabled it to handle rapid changes in the environment and technologies. At HCL management believes that happy, satisfied and self motivated employees help in reducing costs and increase productivity. It also has a strong sense of social responsibility and has set up educational institutions in the field of management, engineering, computers etc.

Identify and explain the significance of understanding management by quoting relevant lines from the case study.

Q4 Raman agreed to be an employee of a company on the condition that he will be given a project offering competitive salary, career advancement opportunity, promotion and recognition. Mr. John, (general manager) puts Raman in a project in which promotion is not possible. Raman gets disheartened and feels frustrated all the time. Such frustration also reflected in his work and he could not bring desired results.

- (a) Which objective of management Raman could not achieve? Explain.
(b) Identify the other two objectives.

(c) What should Mr. John do to avoid such problem?

Q6 The production manager assigned a target of producing 1,000 TV sets in the month of October among the group of 10 workers. They mutually decided to produce 100 TV sets each. Among them 3 of the workers of the group fell sick. The other worker refused to divide his work among and concentrated only on the production of their own individual target of production the group target of 1,000 TV sets could not be achieved.

(i) Which characteristic of management is violated in the above para?

Q7 XYZ Power Ltd. Set up a factory for manufacturing solar lanterns in a remote village as there was no reliable supply of electricity in rural areas. The revenue earned by the company was sufficient to cover the costs and the risks. The demand of the lanterns was increasing day-by-day. So the company decided to increase production to generate higher sales. For this, they decided to employ people from the nearby villages as very few job opportunities were available in that area. The company also decided to open school and creches for the children of its employees.

(i) Identify and explain the objectives of management discussed above.

(ii) State any two values which the company wanted to communicate to the society.

Q8 Kamal, Khan and David are partners in a firm engaged in the distribution of dairy products in Madhya Pradesh. Kamal is a holder of Senior Secondary School Certificate from Central Board of Secondary Education with Business Studies as one of his elective subjects. Khan had done his post-graduation in Hindi literature and David in Dairy Farming. One day there was a serious discussion between Khan and David regarding the nature of 'Management as a Science'. Khan argued that Management was not a science whereas David believed Management was a science. Kamal intervened and corrected both Khan and David about the nature of Management as a Science with the help of his knowledge of Business Studies. Explain, how Kamal would have been able to satisfy both Khan and David.

Q9 Shahrukh Khan is an epitome of success. He adds humour and humane touch in his performances at the live shows. He has redefined the image of a lead actor in cinema and given it a 'negative, sympathetic and glamorous look'. A manager also redefines and creates styles and techniques based on his experience and imagination. Identify the nature of management form the given statement

Q10 Alia Enterprises, a company was initially producing grinders and mixers. Now, with the changing scenario and emerging trends of working women there is a greater demand for a product which is more efficient and a multi-tasker. On analysing the situation, the company decided to penetrate the market for producing Food Processor. Which level of management will take this decision?

Chapter 2 (Principles of management)

1. Mr. Neeraj, the salesman in Progress Ltd., designed a new cost saving advertisement technique ' through his personal experience and suggests the same to his sales manager but it was not appreciated by his sales manager and he also warned him not to come with any suggestions in future. Which principle of Fayol is being overlooked by the sales manager? What should have been the appropriate way of response by the sales manager?
2. The production manager assigned a target of producing 1,000 TV sets in the month April, to group of 10 workers. They mutually decided to produce 100 W sets each. Among them, Vishal (one of the workers in the group) fall sick. The other workers refused to divide his work among themselves and concentrated only on the production of their own individual target of production. As a result, target of 1,000 TV sets could not be achieved.

- (a) Name the principle of Fayol which is violated in the given case.
- (b) What does it state?
- (c) What should have been the appropriate course at action

3. Rama" Ltd. was engaged in the business of manufacturing auto components. Lately, its business was expanding due to increased demand for cars. The competition was also increasing. In order to keep its market share intact, the company directed its workforce to work overtime. But this resulted in lot of problems. Due to increased pressure of work the efficiency of workers declined. Sometimes the subordinates had to work for more than one superior. The workers were becoming undisciplined. The spirit of teamwork, which had characterized the company previously, had begun to wane.

Identify any three principles of management which were being violated, quoting the lines from the above case.

4. 'Puneet Constructions Ltd'. had never given any importance to the suggestions of its employees. All the employees in the company considers themselves superior than the other. They neither help anybody nor get help from anybody. Last year, Mr. Shivam was appointed as Chief Manager of the company. He was an MBA from IMM Ahmedabad and also seven-year experience of the same post. Immediately after taking charge he

decided to deal with both the problems of the company. He convened a meeting of all the employees and said, "All the employees are free to give their suggestions. Besides, the one who gives the best suggestion will be awarded a prize. In addition, he advised them to discard ego and extend help in each other's work. We will have to give it the shape of a movement. Those who participate in this movement will be promoted at the earliest." Shivam proved to be a good leader.

Identify and explain the principles of management discussed above by quoting the lines.

5. 'New Delhi Ltd.' is a famous services providing company. Mr. Aman Malhotra is its Managing Director. He continuously motivates his Research and Development department that new and latest methods of doing work be explored. The provisions has also been made to give reward to those employees who will participate in a particular exploration. He also believes that two groups working on managerial and non-managerial posts are similar to two wheels of an organisational vehicle. If this vehicle (organisation) is to be driven in a right way then both the wheels should be property aligned. Mr. Aman is a successful leader. Among his employees, he has instilled the feeling that no decision will be taken without consulting the subordinates. To excel in this field, is the main motive of Mr. Aman and he paid lot of attention to training of employees

Identify the principles of scientific management discussed above by quoting the lines

6. Voltechindia Ltd, is manufacturing LED bulbs to save electricity and running under heavy losses. To revive from losses, the management thought of shifting the unit to backward area where labour is available at the low cost .The management also asked workers to work overtime without any additional payment and promised to increase the wages of the workers after achieving the mission
- i) State principle of management discussed above
 - ii) Identify two values which company wants to communicate to the society
7. On 27th September, 2015, PM Narendra Modi visited the headquarters of 'Facebook' in California. This news was covered by ABP News Channel. The news item highlighted the following unique features of Facebook's office: Office spread over 4.5 lakh sq feet area of land. Within the office, the employees use skates to move from one place to another. 10, 000 employees working in the office, all at same level. No cabin or separate room for any employee. There is open work place to ensure mutual understanding and team work. All meeting is held in a conference room having walls made of glass. Anyone can see with whom the manager is meeting or interacting. Focus is not on working hours,

rather on quality of work. There is ample provision for leisure activities, rest rooms, widespread clean and green environment, and beautiful nursery at the terrace for the employees.

Based on above information, answer the following questions:

- a) Name one principle of Fayol followed in the Facebook's office.
 - b) State any two values followed by the Facebook's office.
8. Mohan always comes 1 hour late in the office and leave half an hour before the scheduled time. No penal action is taken against him. Other employees also started coming late in the office. Management is very disturbed with this and has started scolding the employees.
- (a) Which management principle is being violated in the given case?
 - (b) Explain the principle.
 - (c) Mention one probable adverse consequence of violation of the given principle
 - (d) State the value being ignored by employees in above case.

ACCOUNTANCY

- Practice all illustrations and unsolved questions of the chapters which we have covered till now.
- One specific project based on financial statement analysis of a company covering:
Ratio Analysis
Cash Flow statement

SL. No.	SUBJECT	TOPIC/CHAPTERS/ACTIVITY	Home Work/Assignment/Project
1	ACCOUNTS	Chapter 3 RATIO ANALYSIS	All the Illustrations of must be done in the notebook. All the unsolved questions must be done in the notebook. Project based on Ratios after analysing financial statement of any company.
2	ACCOUNTS	Chapter 4 Cash flow statement	All the Illustrations of must be done in the notebook. All the unsolved questions must be done in the notebook. Project based on Cash flow statement after analysing financial statement of any company.

ECONOMICS

SL. No.	SUBJECT	TOPIC/CHAPTER S/ACTIVITY	Home Work/Assignment/Project
1	ECONOMICS	Chapter 1: INTRODUCTION TO MACROECONOMICS	<p>Q1. Differentiate between Microeconomics and Macroeconomics with the help of examples.</p> <p>Q2. Macroeconomics is the study of aggregates while Microeconomics is not. Comment.</p>
2		Chapter 2: Basic concepts of Macroeconomics	<p>Q3. ' The same good may be Final or Intermediate '. Justify the statement with 2 examples.</p> <p>Q4. What is capital formation? Discuss the significance of Net investment and Inventory Investment .</p> <p>Activity :</p> <p>Q5: Draw circular flow of income with two sector model on file paper and explain it with examples. Make use of sketch pens.</p>
3	ECONOMICS Part 2 INDIAN ECONOMIC DEVELOPMENT	INDIAN ECONOMY ON THE EVE OF INDEPENDENCE	<p>Q6. Examine the characteristics of Indian economy before the advent of the Britishers to India.</p> <p>Q7. Discuss the two fold policy adopted by the Britishers in India.</p> <p>Q8. Examine the characteristics of different sectors of Indian economy at the time of Independence.</p>

OTHER INSTRUCTION ABOUT PORTFOLIO:

Every student is required to present his/her portfolio that should contain his/her achievements, creative workpieces (samples) , test papers (class test) and so on.

(SUBJECT ENGLISH 301)

READING

Do unseen Passages 1 to 10 (Solve it on the printout of the passage)

WRITING

* Write a letter to the Editor of a national daily highlighting the neglect of our national monuments

and how these are being damaged in the present day world

* Write an article on the topic-‘How Google controls the life of an average person?’ 150-200 words. In fair notebook

*As an active member of the Animals Lovers’ Club of your school write an article for your School magazine describing the change in the environment during lockdown, The need for peaceful coexistence with the animals and the effect on pollution level etc .You are Amar/ Amrita of Std. XII.

*Do practice of notice writing (5 notice writing in English copy)

* Read an English newspaper daily and cut samples of the following in the fair notebook

a) 3 Reports

b) 3 Articles

c) 2 new words and write synonyms and antonyms in notebook.

LITERATURE

1. Do all the reference to context (extracts) of lesson 1 and 2 of Flamingo and poetry 1 and 2 (FLAMINGO)

Do extracts of lesson 1 of Vistas in English copy

PROJECT

Make a project file according to the topics allotted.

Sub:-Mathematics- 041

Q1. If $x^{16}.y^9=(x^2+y)^{17}$, prove that =

Q2. If $x^m.y^n=(x+y)^{m+n}$ prove that

Q3. If $x\sin(a+y)+\sin a \cos(a+y)=0$,prove that

Q4. Differentiate the following with respect to x: $x^{\sin x}+(\sin x)^{\cos x}$

Q5. If $x = \cos t(3 - 2\cos^2 t)$ and $y = \sin t(3 - 2\sin^2 t)$,

find the value of

Q6. Find the intervals in which the function $f(x) = 3x^4 - 4x^3 - 12x^2 + 5$ is

(a) strictly increasing (b) strictly decreasing

Q7. Prove that the height of the cylinder of maximum volume that can be inscribed in a sphere of radius R is. Also find the maximum volume.

Q8. Show that a cylinder of a given volume which is open at the top has minimum total surface area, when its height is equal to the radius of its base.

Q9. A window is of the form of a semicircle with a rectangle on its diameter. The total perimeter of the window is 10 m. Find the dimensions of the window to admit maximum light through the whole opening.

Q10. The side of an equilateral triangle is increasing at the rate of 2 cm/s. At what rate is its area increasing when the side of the triangle is 20 cm?

Q11. If $x^y = y^x$ find

Q12. Using matrices solve the following system of linear equations:

$$x - y + 2z = 7, \quad 3x + 4y - 5z = -5 \quad \text{and} \quad 2x - y + 3z = 12$$

Q13. NCERT New or Old book all questions of chapter Inverse Trigonometric Functions.

Q14. NCERT exemplar new or old book (all Continuity questions)

Q15. Relations and Functions (one-one and onto function at least 8 questions)

Q16. Make Activity File for Math internal Exam for (2023-2024).

Q17. Matrices (chapter -3) and determinants (chapter-4) (Miscellaneous NCERT all)

Informatics Practices

1. **Write code to create the following series.**

Mukul Welcome to TCS

Sushila Welcome to TCS

Khwaish Welcome to TCS

Sujal Welcome to TCS

2. **Write code to create the following series. (Using Dictionary and List)**

January 31
February 28
March 31
April 30
May 31

3. Write code to create the following series. (using Numpy)

10 40
11 44
12 48
13 52

4. Write code to create the following series.

Term1 45
Term2 65
Term3 24
Term4 89

A) Write a Python statement to arrange/Sort the series on Marks. (Ascending Order)

B) Write Python statement to arrange/Sort the series on Marks. (Descending Order)

5. Write a program in Python Pandas to create the following Series S1 and give the code for the questions that follows:

A 5
B 10
C 15
D 20

(i) code to display numbers greater than 15.

(ii) code to display the series in reverse order of index.

(iii) code to change the index to 1,2,3,4.

(iv) code to create a new series object S2 with this order of index 'D','B','C','A'.

6. Given two series S1 and S2, Give the outputs for the following

S1		S2	
A	10	A	5
B	12	B	6
C	14	X	7
D	16	Y	8

- (i) print(S1 > 12)
- (ii) print(S1[S1>12])
- (iii) print(S2.head(3))
- (iv) print(S1.tail(2))
- (v) print(S1+ S2)
- (vi) print(S1- S2)
- (vii) print(S1* S2)
- (viii) print(S1/ S2)
- (ix) print(S1 * 2)
- (x) print(S2 ** 2)

7. Given are two objects, a list object namely **Lst1** and a Series object namely **Ser1**, both are having similar values i.e. [2,4,6,8]. Find out the output produced by following statements: (A) print(Lst1*2) (B) print(Ser1*2)

8. **What will be the output of the following program?**

```
import pandas as pd
Fst=[9,10,11]
Scd=pd.Series((fst)
Obj1=pd.Series (data=Fst*2)
    Obj2=pd.Series(data=Scd*2)
    print("Obj 1:",Obj1)
    print("Obj 2:",Obj2)
```

9. **What will be the output of following code?**

```
import pandas as pd.
data=[17,14,15,4,5,3,8,9,10] S1=pd.Series(data)
print(S1[:3])
print(S1[-3:])
print(S1[0:9:2])
print(S1[::2])
print(S1[:-1])
print(S1[1:6:3])
print(S1.sort_values().head(3))
print(S1.sort_values(ascending=False).head(3))
print(S1.sort_values().tail(4))
print(S1.sort_values (ascending=False).tail())
```

10. Given a Series object Ser that store the area of some states in km². Write code to find out 3 smallest and 3 biggest areas from the series.

```
Ser1=pd.Series([34567, 890, 450, 67892, 34677, 78902, 256711, 678291, 637632, 25723, 2367,
117899, 345, 256517])
```

Find from the Series Ser1 created in above Question, which states has the population more than 50000.

11. Write a code to sort a Series **ser1** as per the instruction given below and store it into **Ser2**.

- (i) In ascending order of data values
- (ii) in descending order of data values.

- (iii) In ascending order of index.
- (iv) in descending order of index

12. Given following Series Object.

S1	S2
0 3	0 12
1 5	2 10
2 6	3 15
4 10	4 20
5 12	6 27

- (A) What will be the output of S1 + S2 ?
- (B) What will be the output of S1 - S2 ?
- (C) print(S1[S1>=10])
- (D) print(S2[S2<20])

13. Mr. Asmit is the class teacher of Class- XII-C. He created a table named "Student" to store records like StuID, Name, Gender, Age and AvgMark of his section students.

Based on the data given above answer the following questions:

- (i) Identify the most appropriate column which can become a Primary Key. Justify your answer.
- (ii) Find the degree and cardinality of the above relation if 5 new students record is added to the existing records.

StuID	Name	Gender	Age	AvgMark
CB01	Abhijeet	Boy	19	87
CB02	Monal	Girl	18	91
CB03	Divya	Girl	17	89
CB04	Sujata	Girl	18	78
CB05	Chirag	Boy	18	77

- (iii) Write the statements to:
 - a. Insert the following record into the table CB06, Navneeth, Boy, 18, 80.
 - b. Increase the AvgMark of all Girls by 3.
 - c. Delete the record of students whose age is 17.
 - d. Add a column REMARKS in the table with datatype as varchar with 50 characters.

14. Lucky Corporation has set up its new centre at Noida, Uttar Pradesh for its office and web-based activities.

It has 4 blocks of buildings as Block A, Block B, Block C and Block D :-

Distance between the various blocks is as follows

A to B = 40 m B to C = 120m C to D = 100m

A to D = 170m B to D = 150m A to C = 70m

Computers in various buildings:

Block A - 25 Block B - 50 Block C - 125 Block D - 10

- a. Suggest and draw the cable layout to efficiently connect various blocks of buildings within the Noida center for connecting the digital devices.
- b. Suggest the placement of the following device with justification
 - i. Repeater
 - ii. Hub/Switch
- c. Which kind of network (PAN/LAN/WAN) will be formed if the Noida office is connected to its head office in Mumbai?
- d. Which fast and very effective wireless transmission medium should preferably be used to connect the head office at Mumbai with the center at Noida?
- e. Suggest the most appropriate block/location to house the SERVER to get the best and effective connectivity. Justify your answer.

PHYSICAL EDUCATION (048)

Complete your project file as discussed in the class.

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PHYSICAL EDUCATION (048)

Complete your project file as discussed in the class.