



Q.P. Code: D 07PMCA01

(For the Candidates Admitted from 2007 onwards)

M.COM (CA) DEGREE EXAMINATION, JUNE- 2008

COMPUTER APPLICATIONS

FIRST YEAR

MANAGERIAL ECONOMICS

Time: 3hours

Maximum: 100marks

Answer Any FIVE Questions  
Each Question Carries 20 marks

(5 x 20 =100 marks)

1. Explain how managerial economics is related to 'Economics', 'Statistics', 'Mathematics' and 'Accounting'.
2. What is meant by elasticity of demand? Explain its types.
3. Define Demand forecasting'. State the different methods of demand forecasting Outline the various steps which would be necessary if you were asked to forecast demand for a typical mass consumption item.
4. "A firm buys inputs in quantities determined by the production function and the prices of the inputs" Discuss.
5. Discuss the managerial uses of break –even analysis as a tool for profit planning . state its limitations.
6. What are the main features of monopoly ? How dose it differ from pure competition?
7. Describe the various phases of business cycle . Discuss the steps a business man may take to safeguard himself against the evil effects of a business cycle.
8. Define 'Industrial sickness'. What are its causes?

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Q.P. Code: D 07PMCA02

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M.COM (CA) DEGREE EXAMINATION, JUNE- 2008

COMPUTER APPLICATIONS

FIRST YEAR

COST AND MANAGEMENT ACCOUNTING

Time: 3hours

Maximum: 100marks

Answer Any FIVE Questions  
Each Question Carries 20 marks

(5 x 20 =100 marks)

1. Describe the different methods of costing and the particular industries to which they are applied.
2. What is labour turnover? What are its causes ? Indicate the steps which may reduce labour turnover.
3. Define 'Management Accounting' What are the tools which make it useful for the management.
4. What is a fund flow statement ? Examine its uses and significance for management.
5. You are supplied with the following data. Calculate overhead hourly rate in respect of production departments A ,B and C.

The primary overheads are:

Production Departments		Service Departments	
	<u>RS</u>		<u>Rs</u>
A	7,810	X	4000
B	12,543	Y	2600
C	4,547		

Contd....2

Expenses of service departments X and Y are apportioned as under:

	A	B	C	X	Y
X	30 %	40 %	20 %	-	10 %
Y	10 %	20 %	50 %	20 %	-

Estimated working hours are: A = 1,000; B = 2,500; C = 1,400.

6. The product of a manufacturing concern Passes through two processes A and B and then to finished stock . In each process, normally , 5 % of the total weight is lost and scrap is 10 % which from process A and B realises Rs.80 Per ton and Rs.200 Per ton respectively.

The following are the figures relating to both the Processes.

	Process A	Process B
Material in tons	1000	70
Cost of materials per ton	Rs.125	Rs.200
Wages	Rs.28,000	RS.10,000
Manufacturing Expenses	Rs.8,000	Rs.5,250
Out put in tons	830	780

Prepare Process cost Accounts showing cost per ton of each Process. There was no stock or work-in-Progress in any Process.

7. Assuming that the cost structure and selling price remain the same in periods I and II, find out;

(a) P / V ratio

(d) Sales required to earn a profit of Rs.20,000

(b) BEP sales

(e) Margin of safety in II period

(c) Profit when sales are Rs .1,00,000

Period	Sales (Rs)	Profit (Rs)
I	1,20,000	9,000
II	1,40,000	13,000

contd...3

8. Draw up a flexible budget for overhead expenses on the basis of the following data and determine the overhead rate at 70%, 80 % and 90 % plant capacity.

Particulars	<u>At 70 % Capacity</u>	<u>At 80 % Capacity (Rs )</u>	<u>At 90 % Capacity</u>
<u>Variable over head:</u>			
Indirect labour	-	12,000	-
Stores including spares	-	4,000	-
<u>Semi- Variable Over head:</u>			
Power (30 % fixed)	-	20,000	-
Repairs-& Maintenance (40 % variable)	-	2,000	-
<u>Fixed Over head:</u>			
Depreciation	-	11,000	-
Insurance	-	3,000	-
Salaries	-	10,000	-
Total over head	-	62,000	-
Estimated Direct Labour Hours	-	1,24,000	-



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**M.COM (CA) DEGREE EXAMINATION, JUNE- 2008**

**COMPUTER APPLICATIONS**

**FIRST YEAR**

**DATA BASE MANAGEMENT SYSTEM**

**Time: 3hours**

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**Maximum: 100marks**

**Answer Any FIVE Questions  
Each Question Carries 20 marks**

**(5 x 20 =100 marks)**

1. Define DBMS. Discuss the steps that you would take in setting up a data base for a particular enterprise.
2. Explain additional relational and extended relational algebra operations.
3. What is meant by 'Embedded SQL' ? Compare the use of Embedded SQL with the use in SQL of functions defined in a general – purpose Programming language.
4. Explain normal forms with example.
5. Write an essay an IMS data structure in hierarchical approach.
6. Explain the following in the net work approach:
  - ( i ) External level of DBTG
  - (ii ) DBTG data manipulation.
7. Define 'Architecture of a DBMS' . Discuss its levels.
8. Discuss the Program communication Block in hierarchical approach with an example.





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**M.COM (CA) DEGREE EXAMINATION ,JUNE- 2008**

**COMPUTER APPLICATIONS**

**FIRST YEAR**

**OBJECT ORIENTED PROGRAMMING WITH C ++**

**Time: 3hours**

**Maximum: 100marks**

**Answer Any FIVE Questions  
Each Question Carries 20 marks**

**(5 x 20 =100 marks)**

1. What is oop? State its merits and demerits.
2. Discuss the different types of statements used in C ++
3. What is an operator? List out the various types of operators used in C ++
4. What is a multidimensional array? Summarises the syntactic rules governing the declaration of a multi dimensional array.
5. What is a default constructor? Under what circumstances a default constructor is well suited for automatic initialization of objects?
6. Write a Program in C ++ to find the simple and compound Interest ( I ) of a given principal ( P ), rate of interest ( R) and number of years ( N), using operator overloading.
7. Write a Program to demonstrate how a pure virtual function is defined, declared and invoked from the object of a derived class through the pointer of the base class .
8. Write a program to read a data for the structure elements such as name, age, sex, height and weight from the key board and to store them on a specified file .Again, the same file is opened for reading and displaying the contents of the file on the screen.