

Reg. No. :

D 571

Q.P. Code : ID 07 PMC A 011

(For the candidates admitted from 2007 onwards)

M.Com. (CA) DEGREE EXAMINATION,
DECEMBER 2009.

First Year

Computer Applications

MANAGERIAL ECONOMICS

Time : Three hours

Maximum : 100 marks

Answer any FIVE questions.

Each question carries 20 marks.

(5 × 20 = 100)

1. What is managerial economics? Discuss the nature and scope of managerial economics.
2. Define price-elasticity of demand and distinguish its various types. Discuss the role of price-elasticity of demand in business decisions.
3. Discuss briefly the various methods of forecasting demand and point out their limitations. What are the criteria of a good forecasting method?

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4. What is a production function? Show how a production function can be plotted in an isoquant diagram. State and explain the properties of an isoquant.
5. "Economics of scale may be either internal or external ; they may be technical, managerial, financial or risk bearing" elucidate.
6. How is the equilibrium of a firm determined
(a) Under competitive conditions
(b) Under monopolistic conditions?
7. Define Business cycle. Discuss the methods employed by businessmen to avoid or minimise the ill - effects of the business cycle.
8. Identify the major causes of industrial sickness in the country. Discuss the steps to be taken to prevent the industrial sickness.

The output for the month was 150 tonnes of A and 50 tonnes of B. The selling price of product B is Rs. 400 per tonne. The profit on B is $33\frac{1}{2}\%$ on cost price.

Prepare accounts showing the cost of main Product A and by-product B.

8. From the following information, prepare a balance sheet. Show the workings.

- (a) Working capital – Rs. 75,000
- (b) Reserves and surplus – Rs. 1,00,000
- (c) Bank overdraft – Rs. 60,000
- (d) Current ratio – 1.75
- (e) Liquid ratio – 1.15
- (f) Fixed assets proprietors funds – 0.75
- (g) Long term liabilities – Nil.

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Computer Applications

COST AND MANAGEMENT ACCOUNTING

Time : Three hours

Maximum : 100 marks

Answer any FIVE questions.

Each question carries 20 marks.

(5 × 20 = 100)

1. Discuss any four methods of pricing of material issues with an example.
2. What is meant by 'Secondary distribution of overheads'? Explain the different methods of secondary distribution of overhead.
3. Define process costing. State its features. Also distinguish between process costing and job costing.

4. "Marginal costing is valuable aid for managerial decisions" Discuss.

5. The sales director of a manufacturing company reports that next year he expects to sell 50,000 units of a particular product.

The production manager consults the store keeper and casts his figures as follows :

Two kinds of raw materials A and B are required for manufacturing the product. Each unit of the product requires 2 units of A and 3 units of B.

The estimated opening balances at the commencement of the next year are :

Finished product : 10,000 units

Raw materials : A = 12,000 units

B = 15,000 units.

The desirable closing balances at the end of the next year are :

Finished product : 14,000 units

Raw materials : A = 13,000 units

B = 16,000 units

Prepare production budget and material purchase budget for the next year.

2

D 572

6. From the following data, calculate total monthly remuneration of three workers A, B and C.

(a) Standard production per month per worker is 1000 units

(b) Actual production during a month :

A = 850 units ; B = 720 units ; C = 960 units.

(c) Piece work rate per month of actual production = 20 paise

(d) Dearness wages - Rs. 50 per month (fixed)

(e) House rent allowance - Rs. 20 per month (fixed)

(f) Time allowance - Rs. 20 per month (fixed)

(g) Additional production bonus @ Rs. 5 for each percentage of actual production exceeding 80% of the standard.

7. A factory is engaged in the production of chemical 'A'. In the course of its manufacture, a by-product B is produced which after a separate process has a commercial value. Following information relates to a week.

	Joint expenses		Separate expenses	
	A Rs.	B Rs.	A Rs.	B Rs.
Material	20,000	4,000	5,600	
Labour	8,000	5,000	5,000	
Overheads	5,000	2,800	2,000	

3

D 572

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First Year

Computer Applications

DATA BASE MANAGEMENT SYSTEM

Time : Three hours

Maximum : 100 marks

Answer any FIVE questions.

Each question carries 20 marks.

(5 × 20 = 100)

1. Discuss the various approaches in DBMS.
2. Explain the term 'keys'. Discuss the various keys used in the relational data structure.
3. What is meant by normalization? Explain normal forms with example.
4. What are the operations on cursors in SQL? Explain.

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5. State the meaning of embedded SQL. Explain in detail the clauses in SQL.
6. Discuss the architecture and data structure of DBTG.
7. Define IMS. Discuss its external level.
8. What is DBMS? Enumerate the steps taken to set up a data base in an organisation.

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First Year

Computer Applications

OBJECT ORIENTED PROGRAMMING WITH C++

Time : Three hours

Maximum : 100 marks

Answer any FIVE questions.

Each question carries 20 marks.

(5 × 20 = 100)

1. Discuss the benefits and applications of OOPs.
2. Explain the concept of inline and library function.
3. What is a class? Describe the syntax for declaring a class with example.
4. Define 'Destructor'. Explain with example.
5. Write a program for 'Multiple inheritance'.

6. Enumerate and explain the rules for operator overloading.

7. What are abstract classes? Write a program having student as an abstract class and create many derived classes such as engineering, science, medicine etc from the student class. Create their objects and process them.

8. Write a program in C++ using virtual function.

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