

Total No. of Questions : 12]

P3694

SEAT No. :

[Total No. of Pages : 2

[4961]-32

S.Y. M.C.A. (Engineering)
DATABASES CONCEPTS AND SYSTEMS
(2008 Pattern) (Semester - III) (610902)

Time : 3 Hours]

Instructions to the candidates:

[Max. Marks : 70

- may-16*
- 1) Answer to the two sections should be written in separate answer books.
 - 2) Neat diagrams must be drawn wherever necessary.
 - 3) Figures to the right side indicate full marks.
 - 4) Assume Suitable data if necessary.

SECTION - I

- Q1) a) What is database? Explain three schema architecture of database. [6]
b) Explain the difference between physical and logical data independence. [5]

OR

- Q2) a) Define the term data model. Explain relational data models and network data model. [6]
b) Explain data abstraction in database system with suitable example. [5]

- Q3) a) Explain the different constraints on specialization/generalization with suitable example. [6]
b) Explain in detail stored and derived attributes and composite attributes. [6]

OR

- Q4) a) Draw the E-R diagram for the university system which includes information about students, department, professors, courses, which student are enrolled in which course, which professor are teaching in which courses, student grades, which courses a department offers. Consider suitable assumption wherever required. [6]
b) Explain strong entity set and weak entity set with example. [6]

- Q5) a) List and explain codd's rule in detail. [6]
b) What is constraint? Explain primary key and foreign key, [6]

OR

P.T.O.

- Q6) a) What is a view? Explain how to create non updatable view with example. [6]
b) Explain index and sequence with example. [6]

SECTION - II

- Q7) a) What is cursor? Explain explicit cursor with %rowcount, %isopen. [6]
b) What is trigger? Explain statement level trigger and row level trigger with example. [6]

OR

- Q8) a) Explain inner join and outer join with example. [6]
b) Explain embedded sql. [6]

- Q9) a) Explain in detail functional dependency. [6]
b) What is normalization? Explain in detail first, second normal form. [6]

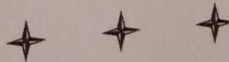
OR

- Q10) a) Describe the concept of full functional dependency and describe how this concept relates to 2NF. [6]
b) Consider relation [6]
R(orderno, orderdate, itemno, itemname, quantity, unitprice).
i) Is this , relation is in 2NF? If not, why?
ii) Normalize the relations to 2NF and 3NF.

- Q11) a) Describe Deadlock with suitable example and also explain about recovery from the deadlock. [6]
b) What is transaction? Explain ACID properties of transaction with example. [5]

OR

- Q12) a) Explain in details logs based recovery technique. [6]
b) What is lock? What are the various types of locks used for concurrency control? [5]



Total No. of Questions :12]

P3695

SEAT No. :

[Total No. of Pages :3

[4961]-33

S.Y.M.C.A (Engineering Faculty)
FINANCIAL ACCOUNTING AND MANAGEMENT
(2008 Pattern) (Semester - III) (610903)

Time : 3 Hours]

may-16

Instructions to the candidates:

[Max. Marks :70

- 1) Answer any three questions from each section
- 2) Answer to the two sections should be written in separate books
- 3) Neat diagrams must be drawn wherever necessary.
- 4) Figures to the right indicate full marks.
- 5) Assume suitable data, if necessary.

SECTION -I

- Q1) a) Explain the accounting Principles and Conventions? [6]
- b) What are objectives of financial statements? [6]

OR

- Q2) a) Journalize the following transaction: [8]
- 1) Shriram started business with cash Rs 75000.
 - 2) Purchase goods for cash Rs.10000.
 - 3) Sold goods for cash Rs.7000.
 - 4) Purchase machinery from M/s Hiralal bro. for cash Rs.9200.
 - 8) Sold goods to Madhuri Rs.4200 on credit.
 - 15) Paid rent Rs.5500.
 - 17) Received cash from Madhuri Rs.4200.
 - 20) Bought goods from Sudhakar Rs.3000 on credit
- b) Write notes on Trial Balance? [4]

P.T.O.

- Q3) a) Differentiate between variable overhead cost and fixed overhead cost. [6]
b) Explain the various financial ratios? [6]

OR

- Q4) a) From the following information relating to XYZ Pvt. Ltd, calculate the break-even point and the turnover required to earn a profit of Rs.1,20,00/-
Fixed overhead Rs.84,00/-
Variable Overhead Rs.8 per unit.
Selling price Rs.20/- per unit.
If the company is earning a profit of Rs.1,20,00/- what is the margin of safety available to it? [8]
b) Write note on Cash budget? [4]

- Q5) a) Elaborate the following factors affecting the requirements of working capital: [8]
a) Nature of business.
b) Business fluctuations.
c) Operating cycle.
d) Economies of scale.
b) Discuss the working capital policy in brief. [3]

OR

- Q6) a) What is Working Capital? Explain the importance of working capital and types of working capital? [8]
b) What are current assets? How do they differ from fixed assets? [3]

SECTION- II

- Q7) a) Explain different limitations of capital budgeting? [6]
b) Explain the process of Capital budgeting for any project? [6]

OR

Q8) Write short notes: (Any three)

- a) Payback period. [12]
b) Concept of Future value.
c) Concept of capital expenditure.
d) Internal rate of return.

Q9) a) What are the various approaches to the estimate of overall cost of capital? Explain in brief? [6]

- b) A share holder purchased a share of Rs.100/- for 5 years he received dividend at the rate of 10% per year. At the end of 5 years, he sold his share for Rs.550/- what is his rate of return? [6]

OR

Q10) a) What is cost of capital? Why should a financial manager know the cost of capital of his firm? [6]

- b) A company has issued 20 year bonds of Rs.1000/-face value at Rs.900/- each Rate of interest is 10% and the tax rate for the company is 52%. The company has taxable profit. What is the cost of bond capital. [6]

Q11) a) How the different services of Tally 9.0 is useful to a finance manager? [6]

- b) What are the Advantages and Disadvantages of computerized accounting system? [5]

OR

[11]

Q12) Explain following with suitable example:

- a) Features and significance of it in accounting.
b) How tally useful for debit and credit purpose.

