

Total No. of Questions : 12]

SEAT No. :

P1030

[4661] - 51

[Total No. of Pages : 2

T.Y.M.C.A. (Engg.)

**PRINCIPLES AND PRACTICES FOR IT PROJECT MANAGEMENT
(2008 Pattern) (710901) (Semester - V)**

Time : 3 Hours]

[Max. Marks : 70

Instructions to the candidates:

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

SECTION - I

Q1) Discuss the importance of management & elaborate the functions of management. **[12]**

OR

Q2) a) What is project management? Describe project management life cycle. **[6]**
b) Explain principles of management. **[6]**

Q3) How information technology can be applied in marketing management? Justify your answer by giving suitable example. **[12]**

OR

Q4) How information technology can be applied in agriculture & service sector? Justify your answer by giving suitable example. **[12]**

Q5) a) What is Gantt Chart? Draw a Gantt chart for website development phases. **[6]**

b) What is formal technical review of project? **[5]**

OR

P.T.O.

- Q6)** a) Write a short note on Risk Management. [6]
b) Explain the process of budgeting. [5]

SECTION - II

- Q7)** a) Explain the process of revision of project plan. [6]
b) Explain how project team is created and team issues are managed? [6]

OR

- Q8)** a) How project progress is tracked? Explain with example. [6]
b) Explain tracking of financial obligations in project management. [6]

- Q9)** a) What is importance of group? Explain types of groups. [6]
b) How Conflict Management is done in IT projects. [6]

OR

- Q10)** a) List the strategies for resolving destructive conflicts. [6]
b) Write a short note on stress management. [6]

- Q11)** a) How supply chain management incorporates IT. [5]
b) Write note on [6]
i) CMM
ii) Six Sigma

OR

- Q12)** a) Explain the concepts of knowledge management. [5]
b) Write a note on PSP and TSP. [6]



Total No. of Questions : 12]

SEAT No. :

P1032

[4661] - 53

[Total No. of Pages : 3

T.Y.M.C.A. (Under Engineering Faculty)
ADVANCED DATABASES
(2008 Pattern) (Semester - V) (710903)

Time : 3 Hours]

[Max. Marks : 70

Instructions to the candidates:

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

SECTION - I

- Q1)** a) What are the factors in estimating the performance of a query? **[4]**
b) Discuss the Linear Search Algorithm in case of selection operation. **[8]**

OR

- Q2)** Answer the following in short. Each answer carries 2 marks. **[12]**
- a) What is the work done by parsing phase in processing a query?
 - b) How is the time required to transfer b blocks and perform s seeks, calculated?
 - c) Why is the block read not equal to block write in terms of time?
 - d) What is the expression to calculate the cost of merge join?
 - e) What are the steps in duplicate record elimination?
 - f) What is the concept behind hash join?

- Q3)** a) Discuss distributed database. **[6]**
b) Explain transaction server process structure. **[6]**

OR

P.T.O.

- Q4)** a) Discuss Parallel Database Architecture. [6]
b) What are data servers? Discuss issues in data server systems. [6]

- Q5)** a) A college maintains a database for students and teachers. A database schema is as given below. [6]

name: f_name, m_init, l_name

address: street _no, city, state, zipcode

person: name, address, date _ of _ birth

teacher: person, department, designation, date _ of _ joining, salary

student: person, course, date _ of _ admission, fees

Construct an SQL: 1999 schema definition for this database. Use inheritance where appropriate.

- b) Explain array and multiset types in SQL. [5]

OR

- Q6)** a) Explain the need of complex data type with example. [6]
b) Write short note on persistent programming language. [5]

SECTION - II

- Q7)** a) Discuss the characteristics of data warehouse. [6]
b) Explain the various operations on CUBE. [6]

OR

- Q8)** a) With a neat and labeled diagram, explain the data-warehouse architecture. [6]
b) Explain the schema for multidimensional databases. [6]

- Q9)** a) Discuss outlier analysis in detail. [5]
b) What is clustering? Explain k means algorithm. [6]

OR

- Q10)** a) Discuss classification. [6]
b) Discuss the various text mining approaches. [5]

Q11) Answer the following in short. Each answer carries 3 marks. **[12]**

- a) What are synonyms and homonyms?
- b) What is similarity based retrieval?
- c) What are web search engines?
- d) What is information retrieval?

OR

Q12) Answer the following in short. Each answer carries 3 marks. **[12]**

- a) What is a page rank?
- b) What are synonyms and ontologies?
- c) What is document indexing?
- d) What are the two approaches for relevance ranking using terms?



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SEAT No. :

P1033

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[Total No. of Pages : 2

**T.Y.M.C.A. (Under Engineering Faculty)
ENTERPRISE RESOURCE PLANNING
(2008 Pattern) (Semester - V) (710904)**

Time : 3 Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) Neat diagrams must be drawn wherever necessary.*
- 2) Figures to the right side indicate full marks.*
- 3) Use of probability table, electronic pocket calculator is allowed.*
- 4) Assume suitable data if necessary.*

- Q1)** a) Why is ERP important to company? [6]
b) What do you understand by the term competitive advantage? How should an organization go about achieving it? [6]

OR

- Q2)** a) Explain the importance of an Integrated System? [6]
b) Enlist tangible and non-tangible benefits the ERP can provide? [6]
- Q3)** a) What is change management? How are major challenges related with change management handled while developing ERP system? [6]
b) Explain the organizational structure of Implementation team with role? [6]

OR

- Q4)** a) Explain Process Integration with ERP system by Example? [6]
b) Explain requirement elicitation process? [6]
- Q5)** a) Explain ERP implementation Strategies used by Indian Companies? [6]
b) Explain the ERP Architecture with suitable diagram? [5]

OR

P.T.O.

- Q6)** a) Compare any two available ERP products in details? [6]
b) Explain following ERP transition strategies: [5]
i) Big Bang Strategy.
ii) Phased Strategy.

- Q7)** a) Explain the selection criteria for ERP Package? [6]
b) Discuss why it is not a good idea to develop an ERP package in-house. [6]

OR

- Q8)** a) Explain the ERP design and customization issues. [6]
b) What is BPR? Explain role of IT in implementation in it. [6]

- Q9)** a) What is the difference between CRM and SCM systems? [6]
b) Explain Service Oriented Architecture of ERP solutions? [6]

OR

- Q10)** a) How does BPR help in the implantation of ERP systems? [6]
b) Explain the differences between domestic and global ERP implementation. [6]

- Q11)** a) Explain the relationship among Production, Scheduling, Manufacturing and Sales and Marketing modules of ERP. [6]
b) Explain the Finance and Costing module of ERP. [5]

OR

- Q12)** a) Explain the HRM and Production modules of an ERP. [6]
b) Explain the functions of material management module of ERP. [5]

