



**MAULANA ABUL KALAM AZAD UNIVERSITY OF
TECHNOLOGY, WEST BENGAL**

Paper Code : IT-604D

ERP

Time Allotted : 3 Hours

Full Marks : 70

The figures in the margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

GROUP - A

(Multiple Choice Type Questions)

1. Choose the correct alternatives for the following :

10 × 1 = 10

- i) Which of the following cost elements for ERP systems include hidden factors ?
- a) User training ☒ b) Software licenses
- c) Computer hardware d) None of these.
- ii) Which of the following modules are parts of a typical ERP system ?
- a) Finance and accounting
- b) Production and material management
- c) Human resources
- ☒ d) All of these.

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- iii) Which of the following is valid BPR objective ?
- a) Downsizing
 - ☒ b) Software re-engineering
 - c) Process improvement
 - ☒ d) Process innovation.
- iv) Which of the following is not a valid parameter for testing ERP system implementation ?
- ☒ a) Profile of vendor
 - b) Database connection pool size
 - c) Data back-up support
 - d) Data migration support.
- v) Which among the following is/are true in reference to OLAP ? <http://www.makaut.com>
- ☒ a) Transaction-processing tool
 - ☒ b) Decision support tool
 - ☒ c) Both (a) and (b)
 - ☒ d) None of these.
- vi) In multi-tier ERP architecture, what is the role of the presentation server ?
- a) Database management
 - ☒ b) Hosting application logic
 - c) User interface management
 - d) None of these.
- vii) Which of the following is a benefit of ERP system ?
- a) Reduction in inventory cost
 - b) Improved customer satisfaction
 - c) Reduction in cycle time
 - ☒ d) All of these.

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viii) Which of the following ERP vendors has the highest market share ?

- ☒ a) SAP b) People Soft
c) Baan d) Oracle.

ix) Which of the following is not an ERP life-cycle phase ?

- a) Package selection b) Re-engineering
☒ c) Recruitment d) Customization.

x) Which of the following is/are the feature(s), new to ERP II ?

- a) Project management
b) Workflow management
c) Internet and www integration
☒ d) All of these.

GROUP - B

(Short Answer Type Questions)

Answer any *three* of the following. $3 \times 5 = 15$

- ☒ 2. What is SCM ? What is the advantage of SCM in extended ERP system ? $2 + 3$
3. Explain Richard L. Nolan Stages of growth model (SGM).
4. Explain the Service Oriented Architecture (SOA) & Open Source ERP.
- ☒ 5. Explain ERP in Sales and Distribution system.
6. What are the business reasons to rise and popularity ERP ?

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GROUP - C

(Long Answer Type Questions)

Answer any *three* of the following. $3 \times 15 = 45$

7. a) What is EAI ? What are the advantages and disadvantages of EAI ?

b) Discuss the EAI architecture.

c) What are the benefits of M-commerce ? $5 + 5 + 5$

8. a) What is Enterprise ? What is ERP ? Describe the features of ERP.

b) What are the benefits of an ERP system ?

c) Explain MRP (I) with its advantages and disadvantages. $(1 + 2 + 2) + 5 + 5$

9. a) Explain the Enterprise Architecture of ERP Systems with respect to Two-tier & Three-tier Architecture.

b) How is Web Architecture different from component ?

c) Explain the evolution of Business processes, Organization structure & IT Architecture. $5 + 5 + 5$

10. a) Discuss the main objectives of ERP implementation.

b) Give an overview of the data migration process.

c) What are the risks of ERP implementation ?

$5 + 5 + 5$

11. Write short notes on any *three* of the following : 3×5

a) Data warehousing and ERP

b) Supply Chain Management (SCM)

c) Data mining

d) Baan

e) Extended ERP or Enterprise System (ERP-II).