



**ENGINEERING & MANAGEMENT EXAMINATIONS, DECEMBER - 2008**  
**BUSINESS SYSTEMS AND APPLICATIONS**  
**SEMESTER - 1**

Time : 3 Hours ]

[ Full Marks : 70

**GROUP - A****( Multiple Choice Type Questions )**1. Choose the correct alternatives for the following : 10 × 1 = 10

i) When personnel can send and receive information from wherever they are, this corresponds to the information technology new process design option of

- a) Shared databases technology
- b) Wireless communications technology
- c) Automatic identification and tracking technology
- d) Telecommunications networks and EDI technology.

ii) The activities that go into producing an information systems solution to an organizational problem or opportunity describes

- a) Enterprise analysis
- b) Systems development
- c) Conceptual modeling
- d) Implementation.

iii) When is the new system reviewed by both users and technical specialists to determine how well it has met its original objectives and to decide whether any revisions or modifications are in order ?

- a) During production
- b) During implementation
- c) During conversion
- d) During systems design.



iv) The stage in the systems lifecycle that analyzes the problems of existing systems, defines the objectives to be attained by a solution and evaluates various solution alternatives is the

- a) Project definition stage                      b) Design stage  
c) Systems study stage                              d) Installation stage.

v) The stage in the systems lifecycle that translates the design specifications produced during the design stage into software program code is the

- a) Design stage    b) Programming stage  
c) Systems study stage                                      d) Installation stage.

vi) The preliminary working version of an information system for demonstration and evaluation purposes best describes

- a) Prototype    b) Logic model  
c) Program    d) Data model.

vii) A detailed list of questions submitted to vendors of packaged software or other services to determine if the vendor's product can meet the organization's specific requirements is called

- a) Enterprise analysis                                      b) A request for proposal  
c) JAD    d) RAD.

viii) Disadvantages of outsourcing include

- a) it is slow and expensive  
b) it is inappropriate for large, complex systems  
c) it can lead to proliferation of uncontrolled information systems  
d) the loss of control over the information systems function.



ix) Disadvantages of using an application software package include

- a) it is slow and expensive
- b) it may not meet the organization's unique requirements
- c) it can lead to proliferation of uncontrolled information systems
- d) the loss of control over the information systems function.

x) Advantages of end-user development include

- a) it is necessary for large complex systems and projects
- b) it is rapid and inexpensive
- c) the design, programming and maintenance work are reduced
- d) the user controls systems building.

### GROUP - B

( Short Answer Type Questions )

Answer any *three* of the following :

3 × 5 = 15

2. What is feasibility study ?
3. Describe a typical Data-warehouse with a suitable diagram.
4. What are the limitations of traditional waterfall model ?
5. Compare between structured and unstructured decisions.
6. Discuss the functions of DSS.

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**GROUP - C****( Long Answer Type Questions )**Answer any *three* of the following. $3 \times 15 = 45$ 

7. What is MIS ? In a business pyramid, identify and define the roles of various IS in the bottom, middle and top levels of the organization. Explain briefly cost-benefit analysis.  $3 + 7 + 5$
8. What is ERP ? What are the features of ERP ? Write down ERP Architecture. What are value chain and supply chain ?  $2 + 3 + 5 + 5$
9. What is system ? What are the different types of system ? Explain in brief.  $5 + 10$
10. What is D.F.D. ? What are the different symbols used in it ? Explain with the help of an example. What is the advantage of D.F.D. ? Discuss in details.  $4 + 3 + 8$
11. a) What are the uses of ERP in Modern Business ?
- b) Why CRM is necessary in Today's Business Scenario ?
- c) What is an Expert System ? Give an example also.  $3 + 6 + 6$

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