



Name :

Roll No. :

Invigilator's Signature :

**CS/BCA/SEM-1/BCA-102/2011-12
2011**

BUSINESS SYSTEM & APPLICATIONS

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) Strategic planning is related with

- a) top level
- b) middle level
- c) bottom level
- d) none of these.

ii) MIS considers

- a) only qualitative factors
- b) only quantitative factors
- c) both (a) and (b)
- d) none of these.



- iii) System is a
 - a) single entity
 - b) collective entity
 - c) both (a) and (b)
 - d) none of these.
- iv) Video conferencing is related with
 - a) MIS
 - b) DSS
 - c) EIS
 - d) OAS.
- v) The nature of tasks of DSS is
 - a) highly structured
 - b) semi structured
 - c) unstructured
 - d) both (b) and (c).
- vi) BPO means
 - a) Business Presentation Offer
 - b) Business Presentation Organisation
 - c) Business Process Outsourcing
 - d) Business Process Organisation.
- vii) Data validation related with
 - a) MIS
 - b) TPS
 - c) DSS
 - d) EIS.
- viii) Inference engine is one of the component of
 - a) artificial intelligence
 - b) expert system
 - c) end user
 - d) OAS.
- ix) Cognitive science is a branch of
 - a) social science
 - b) biological science
 - c) chemistry
 - d) AI.
- x) BPR means
 - a) Business Presentation Reconstruction
 - b) Business Preview Render
 - c) Business Process Reengineering
 - d) none of these.



GROUP - B

(Short Answer Type Questions)

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

2. What is SDLC and what are its parts ?
3. What is information system ? Briefly explain the components of an information system. $2 + 3$
4. Explain applications of Artificial Intelligence (AI) in different fields.
5. Distinguish between data and information. What is planning ? $3 + 2$
6. Define MIS and discuss its objectives. $2 + 3$

GROUP - C

(Long Answer Type Questions)

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

7. What is decision making ? How many types of decision making models are there ? Explain about these models in brief. Write down the characteristics of a decision. $2 + 2 + 6 + 5$
8. a) Describe the general model of any TPS with suitable example.
b) Why has office automation system gained greater importance in recent years ? Identified different types of office automation system.
c) What is understood by client server computing ? Explain with suitable sketches. $4 + (3 + 3) + 5$

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9. a) Explain distributed database processing and compare it with centralized processing.
- b) What are the disadvantages of a DBMS in a business information system ?
- c) What is the difference between exception reports and demand reports ? Explain with an example.
- d) What is organisational hierarchy ? $4 + 4 + 3 + 4$
10. a) What is DSS ? What are the differences between MIS and DSS ?
- b) What is business process re-engineering ? What steps are required to make it possible ?
- c) What is executive information system ?
 $(2 + 4) + (2 + 4) + 3$
11. Write short notes on any *three* of the following : 3×5
- a) CRM
- b) Supply Chain Management
- c) Data warehouse
- d) Local Area Network (LAN)
- e) ERP
- f) E-Business.