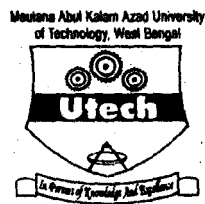


CS/MCA/ODD SEM/SEM-1/MCA-102/2016-17



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

Paper Code : MCA-102

BUSINESS SYSTEM & APPLICATION

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) EDI stands for

- a) Electronic Data Interchange
- b) Electronic Device Interchange
- c) Electronic Data and Informance
- d) none of these.

ii) Online retail is sometimes known as

- a) e-retail
- b) e-tail
- c) conferencing
- d) all of these.

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- iii) The internal information within an organization is generated in terms of
- a) Reports
 - b) Memos
 - c) Notices
 - d) all of these.
- iv) Strategic planning is measurable in terms of
- a) Months
 - b) Weeks
 - c) Years
 - d) Days.
- v) e-mail is an important function of
- a) Expert System
 - b) OAS
 - c) TPS
 - d) DSS.
- vi) Wage analysis is an example of
- a) Operational informance
 - b) Tactical information
 - c) Strategic information
 - d) none of these.
- vii) Solar system is an example of
- a) Physical system
 - b) Virtual system
 - c) Living system
 - d) all of these.

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viii) is the system function which compares the o/p to predetermined standards.

- a) Feedback b) Control
- c) System boundary d) none of these.

ix) A collection of logically related records is

- a) File b) Data
- c) Information d) Tuple.

x) is also known as paperless office.

- a) MIS b) OAS
- c) TPS d) ESS.

GROUP - B

(Short Answer Type Questions)

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

2. What are the basic differences between data, information and knowledge ?
3. Describe the Role of Artificial Intelligence and Expert system in business.
4. Explain the concept of datamining & Data warehousing.
5. Mention three functions of transaction processing.
6. Describe various network topologies.

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GROUP - C

(Long Answer Type Questions)

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

7. Explain the following with their advantages and disadvantages : $5 + 5 + 5$
- a) Waterfall model
 - b) Spiral model
 - c) Prototype model.
8. Differentiate between ERP and BRP. What is Knowledge Management ? Write the steps of knowledge management. $5 + 3 + 7$
9. What are the basic elements of IT infrastructure ? What IT resources are required to generate information ? Define MIS and discuss its objectives. Where do you conduct Cost Benefit analysis in an SDLC ? $2 + 2 + 6 + 5$
10. Differentiate between OLTP and OLAP. Differentiate between LAN and WAN. What is end user computing ? Why is end user computing necessary ? $5 + 5 + 2 + 3$
11. What is transaction processing system ? Explain the merits and demerits of batch processing system. Explain different types of decision making phases. $2 + 5 + 4 + 4$
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