CS/BCA/ODD/SEM-1/BCA-102/2017-18



MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, WEST BENGAL

Paper Code: BCA-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)

Choose the correct alternatives for the following:
 10 × 1 = 10

- i) Which level of management formulates operational plans & objectives?
 - a) Top management
 - b) First level mangers
 - c) Middle management
 - d) Supervisors.
- ii) OLRT processes input data immediately and output data
 - a) slowly

- b) moderately fast
- c) immediately
- d) none of these.

iii)	The	overall concept	ual or	logical view of the					
	rela	relationships between the data in a database is							
referred to as									
	a)	data redundancy	b)	schema					
	c)	mappings	d)	none of these.					
iv)	Dat	ta origination, pro	cessing,	ready-access storage					
and destruction are the stages of									
	a)	SDLC	b)	DBMS					
	c)	data life cycle	d)	none of these.					
v)	o analyse data stored								
	at different network places or data warehou								
	known as								
	a)	BPR	b)	OLRT					
	c)	AI	d)	OLAP.					
vi)	SA	SAP R/3 and Microsoft Dynamics are examples of							
	a)	ERP systems	b)	TPS					
	c)	SIS	d)	MIS.					
vii)	Abi	Ability to support the solution of complex problems							
	is a characteristic of								
	a)	TPS	b)	DSS					
	c)	OAS	d)	AI.					
viii) To	To apply BPR, IS uses re-engineering and							
	a)	a) Reverse engineering							
	b)	Operational database							
	c)	IS architecture							
	d)	Civil engineering							

ix)	Artificial intelligence is applied in the field of									
	a)	BPR		b)	robotics					
	c)	staffing		d)	ERP.					
x)	A language used to communicate with database is									
	a)	OLRT		b)	DDL					
	c)	OAS		d)	SIS.					
GROUP - B										
(Short Answer Type Questions)										
Answer any three of the following. $3 \times 5 = 15$										
Briefly discuss the various activities performed by MIS										
in an organization.										
Elucidate the pyramid structure of MIS.										
De	fine	Decision	Support	Sy	stem. D	escribe its				
		eristics.				2+3				
Define network topology. Briefly describe the different										
ne	twor	k topologies.				2+3				
Briefly describe "Data Warehousing".										
GROUP - C										
(Long Answer Type Questions)										
Answer any three of the following. $3 \times 15 = 45$										

- Briefly explain MIS as a tool for management a) 7. process.
 - Explain the limitation of MIS. b)
 - What is Executive Information System? 6+5+4 c)

2.

3.

4.

5.

6.

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- 8. a) What is decision making?
 - b) How many types of decision making models are there?
 - c) Explain about these models in brief.
 - d) Write down the characteristics of a decision.

2+4+6+3

- 9. a) Explain in detail, Transaction Processing System (TPS).
 - b) Differentiate between TPS and MIS.
 - c) Explain Distributed Data Processing. 7+5+3
- 10. a) What is SDLC? What are its parts?
 - b) What is virtual office? Mention its advantages and disadvantages.
 - c) Discuss office automation. (2+3)+(2+3)+5
- 11. Write short notes on any three of the following: 3×5
 - a) CRM
 - b) Supply Chain Management
 - c) Local Area Network (LAN)
 - d) E-Business
 - e) Groupware.