MCA-102

BUSINESS SYSTEM AND APPLICATIONS

Time Allotted: 3 Hours Full Marks: 70

The questions are of equal value. 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.	Answer all questions.		$10 \times 1 = 10$
(i)	To protect the data from unauth	norized access is used.	
	(A) E-Business	(B) e-mail	
	(C) exception principle	(D) encryption	
(ii)	A method of checking the accuracy of transmission of data in which the received data are returned to the sending device for comparison with the original data is		
	(A) exchange check	(B) echo check	
	(C) return check	(D) dynamic check	
(iii)	Information system supports clerical office work		
	(A) DSS	(B) MIS	
	(C) TPS	(D) OAS	
(iv)	The system has no interaction with the environment is calledsystems.		<u> </u>
	(A) man made	(B) closed	
	(C) external	(D) probabilistic	
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(v)	B2B stands for			
	(A) business-to-business	(B) BUS-to-BUS		
•	(C) back office-to-business	(D) BUS-to-business		
(vi)	A visit to assess the accidental damage information is			
	(A) observation	(B) experiment		
	(C) survey	(D) estimation		
(vii)	The is defined as a system which provides information support for decision making in the organization.			
	(A) management	(B) decision		
	(C) MIS	(D) DIS		
(viii)	Example of transaction documents is/are			
	(A) payslips	(B) invoices		
***	(C) both A and B	(D) none of these		
(ix)	Knowledge that comes from experience	isknowledge.		
	(A) heuristic	(B) procedural		
	(C) tacit	(D) heuristic		
(x)	Computers are used to help engineers design better products using			
	(A) CAD	(B) CAE		
	(C) both (A) and (B)	(D) none of these		

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GROUP B (Short Answer Type Questions)

Answer any three questions.

 $3 \times 5 = 15$

- 2. Is it always beneficial to serve the additional information need? Explain.
- 3. What are the methods of Data and Information collection?
- 4. How modern technology is implemented at Business System?
- 5. Write down the advantages and disadvantages of GDSS.
- 6. Analyze banking system and identify the following
 - (i) The inputs
 - (ii) The outputs
 - (iii) The boundary
 - (iv) The environment
 - (v) The process feedback

GROUP C (Long Answer Type Questions)

Answer any three questions.

 $3 \times 15 = 45$

- 7. Give one comparative study between Centralized Processing and 6+3+6 Distributed Processing. What is SDLC? Describe the major steps of SDLC?
- 8. What do you mean by BPR? Write down the major processes involve in BPR with a suitable diagram. What are the differences between Value chain and Supply chain?
- 9. What is Office Automation? Write down the block diagram of Office 3+4+4+4 Automation System. What is End User Computing? What is DSS generator?

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- 10. Write down the major application areas of Information Technology? 6+4+5=15 What is Information Audit? What do you mean by Data Warehouse and Date mining?
- 11. Write short notes on the following topics: (any two)

2×7.5

- (a) ERP
- (b) Artificial Intelligence
- (c) Structured and Unstructured Decision
- (d) E-Commerce
- (e) Extranet and Internet

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