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Name.....

Reg. No.....

FOURTH SEMESTER B.C.A. DEGREE EXAMINATION, APRIL 2017

(CUCBCSS—UG)

Complementary Course

BCA 4C 08—MANAGEMENT INFORMATION SYSTEM

Time : Three Hours

Maximum : 80 Marks

Part A

Answer all questions.

Each carries 1 mark.

1. A person machine-system and a highly integrated grouping of information-processing functions designed to provide management with a comprehensive picture of specific operation is called :

- (a) DSS.
- (b) MIS.
- (c) IIS.
- (d) All of the above.

2. Management information systems (MIS) :

- (a) Create and share documents that support day-today office activities.
- (b) Process business transactions (e.g., time cards, payments, orders, etc.).
- (c) Capture and reproduce the knowledge of an expert problem solver.
- (d) Use the transaction data to produce information needed by managers to run the business.

Top level Managers use :

- (a) Strategic information.
- (b) Tactical information.
- (c) Operational information.
- (d) None of these.

A system is called _____ when the inputs, process and the outputs are not known with certainty.

- (a) Probabilistic.
- (b) Deterministic.
- (c) Open.
- (d) Close.

Turn over

5. An MIS provides :
(a) Past information.
(b) Present information.
(c) Future information.
(d) All of the above.
6. A system must be composed of more than one
(a) Subsystem.
(b) Element.
(c) Super system.
(d) All of the above.
7. The Management Information System (MIS) provides timely and effective information to support decision making and other necessary management functions. Can you point out the subsystem which does not belong to the MIS ?
(a) Transaction Processing System (TPS).
(b) Decision Support System (DSS).
(c) Data Communication System.
(d) Automated Office System.
8. Which of the following level of managers develop short-and medium-range plans, schedules, and budgets and specify the policies, procedures, and business objectives for their sub - units of the company ?
(a) Strategic.
(b) Tactical.
(c) Operational.
(d) Front Line.
9. Information is :
(a) Data.
(b) Processed Data.
(c) Manipulated input.
(d) Computer output.
10. A computer based information system is needed because :
(i) The size of organization have become large and data is massive.
(ii) Timely decisions are to be taken based on available data.
(iii) Computers are available.
(iv) Difficult to get clerks to process data.
(a) (ii) and (iii).
(b) (i) and (ii).
(c) (i) and (iv).
(d) (iii) and (iv).

Part B

*Answer all questions.
Each carries 2 marks.*

11. What is office automation ?
12. What are the operating elements of an information system in terms of physical components ?
13. What do you mean by unstructured decisions ?
14. What are the advantages of prototyping approach to system development ?
15. What do you mean by probabilistic system ?

(5 × 2 = 10 marks)

Part C

*Answer any five questions.
Each carries 4 marks.*

16. What is a system ? Differentiate between open and closed system.
17. Briefly explain the information system for strategic planning of an organization.
18. Explain the phases in the decision making process.
19. Explain the administrative model of decision maker.
20. Define information. Explain quality of information in terms of various utilities.
21. What do you mean by conversion in system installation and operation stage ? Explain the conversion process.
22. Write a note on top management information system control and quality assurance duties.
23. Discuss the general model of the human as an information processor.

(5 × 4 = 20 marks)

Part D

*Answer any five questions.
Each carries 8 marks.*

24. Explain the prototyping approach to application system development with the help of a diagram.
25. Briefly explain the life cycle development stage of application system.

Turn over

26. What are the major modifications of basic organizational structure ? Explain in detail.
27. Explain the system concept applied to Management Information System.
28. Explain the Newell - Simon Model of Human Information Processing System.
29. Discuss the major concepts used to explain organizational decision making ?
30. Explain Management Information System support for decision making.
31. Explain the structure of management information system based on organizational function.

(5 × 8 = 40 marks)