

D 50030

(Pages : 3)

Name.....

Reg. No.....

**FIFTH SEMESTER (CUCBCSS—UG) DEGREE EXAMINATION
NOVEMBER 2023**

B.Com.

BCM 5B 11—COMPUTER APPLICATION SPECIALIZATION II—BUSINESS
INFORMATION SYSTEMS

(2018 Admissions)

Time : Three Hours

Maximum : 80 Marks

Part A*Answer all questions.**Each question carries 1 mark.*

I. Choose the correct answer from the options given below :

- 1 The logical data structure with one to many relationships is a _____ model.
(a) Tree. (b) Chain.
(c) Network. (d) Relational.
- 2 The most important step of ERP implementation is _____ phase.
(a) Installing. (b) Training.
(c) Gap Analysis. (d) Testing.
- 3 In a database, related fields are grouped into :
(a) File. (b) Bank.
(c) Menu. (d) Data record.
- 4 _____ are designed solve complex problems by reasoning through the bodies of knowledge.
(a) Computer System. (b) Expert System.
(c) Operating System. (d) Transaction Processing System.

Turn over

- 5 A _____ can integrate all multiple variables and produces an outcome.
- (a) DSS. (b) ESS.
(c) TPS. (d) All of these.

II. Fill in the blanks :

- 6 The heart of any ERP system is its _____.
- 7 In _____ model, data are stored in the form of objects.
- 8 A collection of interrelated records is called _____.
- 9 The processed data is called _____.
- 10 In any hierarchy of data organization, the smallest entity to be processed as single unit is called _____.

(10 × 1 = 10 marks)

Part B

*Answer any **eight** questions.
Each question carries 2 marks.*

11. What is physical data independence ?
12. What are the features of a database ?
13. What is meant by expert system ?
14. What is logical data model ?
15. What do you mean by external information ?
16. What do you understand by management reporting system ?
17. What is DDL ?
18. List out the components of DSS.
19. What do you understand by ERP software ?
20. Define MIS.

(8 × 2 = 16 marks)

Part C

*Answer any **six** questions.
Each question carries 4 marks.*

21. Write a note on executive information system.
22. What is relational model of database? Write up its advantages.
23. Explain the steps involved in ERP implementation.
24. What are the importance of information?
25. Explain the features of transaction processing system.
26. Why do the business need ERP packages?
27. Explain the role of ICT in Business.
28. Describe the process of business process reengineering.

(6 × 4 = 24 marks)

Part D

*Answer any **two** questions.
Each question carries 15 marks.*

29. Discuss the different models of DBMS.
30. What is business process reengineering ? What are the problems of it ? How can it be cured ?
31. Explain how MIS helps the business.

(2 × 15 = 30 marks)

D 50030–A

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(Multiple Choice Questions for SDE Candidates)

Time : 15 Minutes**Total No. of Questions : 20****Maximum : 20 Marks****INSTRUCTIONS TO THE CANDIDATE**

1. This Question Paper carries Multiple Choice Questions from 1 to 20.
2. The candidate should check that the question paper supplied to him/her contains all the 20 questions in serial order.
3. Each question is provided with choices (A), (B), (C) and (D) having one correct answer. Choose the correct answer and enter it in the main answer-book.
4. The MCQ question paper will be supplied after the completion of the descriptive examination.

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(Multiple Choice Questions for SDE Candidates)

1. Office automation means _____.
 - (A) Introduction of technology to manage regular activities.
 - (B) Ensuring smooth running of an office.
 - (C) Computerization in an office.
 - (D) None of these.

2. Processed data is called _____.
 - (A) Field.
 - (B) Information.
 - (C) Record.
 - (D) File.

3. The expert system uses a (n) _____ to select the most appropriate response.
 - (A) Inference engine.
 - (B) Decision support system.
 - (C) Knowledge base.
 - (D) Data source.

4. Which of the following information systems are used in the daily running of the business ?
 - (A) Transaction processing systems (TPS).
 - (B) Operational planning systems.
 - (C) Office automation systems (OAS).
 - (D) All of the above.

5. Materials Requirements Planning (MRP) software is an example of an information systems application in which of the following areas ?
 - (A) Office automation systems.
 - (B) Operations management.
 - (C) Marketing.
 - (D) Human resource management.

6. Which of the following is true about ERP software ?
 - (A) Always adaptable to how the business works.
 - (B) Extensive skills available for development.
 - (C) Supplier costs kept low.
 - (D) Simplified support and maintenance through a supplier.

7. In terms of the resources that support information systems, the procedures used by people are an example of :
- (A) Hardware resources. (B) Software resources.
(C) People resources. (D) Data resources.
8. Decision support systems usually :
- (A) Serve managers interested in weekly, monthly, and yearly results, not day-to-day activities.
(B) Help managers make decisions that are unique, rapidly changing, and not easily specified in advance.
(C) Provide managers with a generalized computing and telecommunications capacity that can be applied to a changing array of problems.
(D) Perform and record the daily routine transactions necessary to the conduct of business.
9. Information has three dimensions. They are :
- (A) Time, content, and form. (B) Time, content, and form.
(C) Cost, content, and form. (D) Time, content, and Value.
10. Which of the following involves analyzing complex relationships among thousands or even millions of data items stored in data marts, data warehouses, and other multidimensional databases to discover patterns, trends, and exception conditions ?
- (A) OLTP. (B) OLAP.
(C) OISE. (D) OLALA.
11. _____ is an electronic device which converts raw data into meaningful information.
- (A) Computer. (B) Hardware.
(C) Software. (D) Compiler.
12. Example of Office automation tools are _____.
- (A) Pencil and Pen. (B) File and Rack.
(C) Table and Desk. (D) Electronic Mail and Internet System.
13. Software of computer means _____.
- (A) Electronic circuit and devices.
(B) Printing device.
(C) Interface between operator and machine.
(D) Magnetic disk.

Turn over

14. Application software is ———.
- (A) Menu driven specific software. (B) Software for specific operation.
(C) Software for programming. (D) Printing device.
15. Which of the following is not a characteristic of good information ?
- (A) Interchangeability. (B) Relevance.
(C) Cost effectiveness. (D) Accuracy.
16. Which is true in Enterprise resource planning (ERP) ?
- (A) Has existed for over a decade.
(B) Does not integrate well with functional areas other than operations.
(C) Is inexpensive to implement.
(D) Automates and integrates the majority of business processes.
17. All of the following are advantages of enterprise resource planning (ERP) except it :
- (A) Creates commonality of databases.
(B) Increases communications and collaboration worldwide.
(C) Helps integrate multiple sites and business units.
(D) Requires major changes in the company and its processes to implement.
18. Lowest level of schema in a database is :
- (A) Physical schema. (B) Logical schema.
(C) Subschema. (D) None of these.
19. In MS Excel, Which function calculates the largest value in a set of numbers ?
- (A) Average. (B) Count.
(C) Minimum. (D) Maximum.
20. Which of the following is not an example of word processor ?
- (A) WordStar. (B) Soft word.
(C) MS Word. (D) MS Office.