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Question Paper Code : 96225

M.C.A. DEGREE EXAMINATION, FEBRUARY/MARCH 2014.

Elective

DMC 1675 — MANAGEMENT INFORMATION SYSTEMS

(Regulations 2007)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. What is management information system?
2. What is the difference between structured and unstructured information?
3. What do you mean by personnel information system?
4. What is meant by system analysis?
5. What are the types of MIS?
6. How the information needs of MNCs differ from those of domestic firms?
7. What is risk with regard to information systems?
8. What are the difficulties of carrying out a cost benefit analysis?
9. Differentiate between verification and validation.
10. What is software reliability?

PART B — (5 × 16 = 80 marks)

11. (a) Can MIS be helpful in information organisations? – Discuss.

Or

- (b) In what ways do you think organisation structure influences MIS and in turn MIS influence the organisational structure – Discuss.

12. (a) What is meant by design specifications? Discuss various phases involved in preparing design specifications.

Or

- (b) Is it necessary to follow systems analysis and design methodologies when building an information system? Why not just build the system in any random manner? What would happen?
13. (a) Explain briefly how computer based information systems can enhance marketing function in a firm.

Or

- (b) How can a DSS help make decisions? How do MIS and DSS differ?
14. (a) Explain in detail the strategies adopted for testing security.
- Or
- (b) How the risk is assessed and managed in information systems? Explain the various risk assessment methodologies and tools.
15. (a) What are software metrics? Why and how software metrics are used? State its types.

Or

- (b) Define software quality assurance. Explain the objectives and importance of SQA.
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Question Paper Code : 86225

M.C.A. DEGREE EXAMINATION, AUGUST 2013.

Elective

DMC 1675 — MANAGEMENT INFORMATION SYSTEMS

(Regulation 2007)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. What are the components of an information system?
2. What are the layers that consist information system architecture?
3. What are the purposes of system development?
4. What are the differences between logical design and physical design?
5. What are the functions of marketing information system?
6. State the importance to include a model in a DSS.
7. List the various cost benefit evaluation methods.
8. Why is testing important?
9. What is the primary objective of software quality assurance?
10. How are the various software development life cycle models classified?

PART B — (5 × 16 = 80 marks)

11. (a) Why do we study organizational systems in order to design MIS?

Or

- (b) Can MIS be useful in informal organizations? Elaborate.

12. (a) Explain why prototyping has become a popular way to develop new computer based systems.

Or

- (b) Examine in detail the various phases of System Development Life Cycle. Which phase in the SDLC is most important?

13. (a) Describe the management information system in functional areas of business with examples.

Or

- (b) Explain the basic structure of DSS and its components. Why is model selection for DSS difficult?

14. (a) Why is input validation important? Describe the different types of input validation methods.

Or

- (b) What are the various components and steps involved in the development of a test plan that is used for software testing?

15. (a) Why should information systems be audited? Enumerate useful audit procedures.

Or

- (b) What are the objectives of verification and validation? Where exactly verification and validation occur in software life cycle?
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Question Paper Code : 86225

M.C.A. DEGREE EXAMINATION, FEBRUARY/MARCH 2013.

Elective

DMC 1675 — MANAGEMENT INFORMATION SYSTEMS

(Regulation 2007)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. What is transaction processing system?
2. Distinguish between open system and closed system.
3. What is top-down programming structure?
4. What is technical feasibility?
5. Distinguish between model base and knowledge base.
6. State the importance of database in international information system.
7. Define software testing.
8. Distinguish between transcription error and transposition error.
9. What is context diagram?
10. Distinguish between verification and validation.

PART B — (5 × 16 = 80 marks)

11. (a) Trace the evolution of information systems.

Or

- (b) Give a schematic view of a business model and explain its components.
Also, discuss the integration of MIS with business model.

12. (a) Explain the steps of structured system development strategy with an example.

Or

(b) List and explain the steps of system life cycle method.

13. (a) Explain the steps of developing expert system.

Or

(b) Give a detailed account of hierarchy of decisions in MIS. Also, discuss its linkages with the degree of structuredness of the decisions.

14. (a) Explain the cost-benefit analysis of system development with an example.

Or

(b) List and explain different coding techniques.

15. (a) What is software metrics? Illustrate it with an example.

Or

(b) List different software life cycle models and explain any one of them.

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Question Paper Code : 76525

M.C.A. DEGREE EXAMINATION, AUGUST 2012.

Elective

DMC 1675 — MANAGEMENT INFORMATION SYSTEMS

(Regulation 2007)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. What is an Information System?
2. Mention some advantages of MIS.
3. What is meant by Knowledge?
4. What is a Structure?
5. What is the function of Production Department?
6. What is EIS?
7. What is testing?
8. What do you mean by detection of errors?
9. Define Software Metrics.
10. What is Validation Testing?

PART B — (5 × 16 = 80 marks)

11. (a) Explain the Business Model which implement an MIS.

Or

- (b) Give a detailed description of Information System Architecture.

12. (a) Explain the various stages of developing computerized systems.

Or

(b) Describe the significant aspects of Modularity with suitable example.

13. (a) Explain Marketing Sub-system in detail.

Or

(b) Explain the concept of DSS and ES.

14. (a) Explain some of the coding techniques in detail.

Or

(b) Discuss in detail about cost benefit analysis.

15. (a) Explain software quality assurance activities in detail.

Or

(b) Describe any two Software Life Cycle Models with reference to the application.

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Question Paper Code : 86525

M.C.A. DEGREE EXAMINATION, FEBRUARY 2012.

Elective

DMC 1675 — MANAGEMENT INFORMATION SYSTEMS

(Regulation 2007)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Define MIS.
2. What are the components of Information System?
3. What do you mean by Structured Methodologies?
4. Explain System Development Life Cycle.
5. What is an Accounting System?
6. Define Decision Support System.
7. What is meant by Coding Technique?
8. Explain the characteristics of Control Processes.
9. What do you mean by Software Specification?
10. Define Verification and Validation.

PART B — (5 × 16 = 80 marks)

11. (a) Describe the necessity of information in the management of organizations.

Or

- (b) Explain the role of users in developing an information system for decision making. Does this exercise give rise to its classification?

12. (a) What are the steps involved in the system design and system implementation of a computer based information system?

Or

- (b) (i) Explain system Development Life Cycle.
(ii) Explain the methods used for designing structured programs?

13. (a) Using examples compare and contrast expert system and DSS.

Or

- (b) Give examples of how information system can support the five functions of management, the ten roles of management and the three levels of management activities.

14. (a) "Structural analysis is an important step and a vital tool for system analysis". Highlight its impact on the outcome of cost / benefit analysis.

Or

- (b) Explain various methods of implementing a system? How proper design helps during implementation stage of a system?

15. (a) (i) Explain the merits and demerits of system audit. Give example.
(ii) Name and describe the principal controls for a computerized systems.

Or

- (b) Explain software life cycle models and stages in model development.

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Question Paper Code : 96725

M.C.A. DEGREE EXAMINATION, AUGUST 2011.

Elective

DMC 1675 — MANAGEMENT INFORMATION SYSTEMS

(Regulation 2007)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Distinguish between data and information.
2. Distinguish between strategic planning and management control.
3. What is DFD?
4. Define database. Distinguish it from database management system.
5. Define model base.
6. Define knowledge base.
7. Distinguish between transcription error and transposition error.
8. What is technical feasibility?
9. Define software specification.
10. Distinguish between verification and validation.

PART B — (5 × 16 = 80 marks)

11. (a) Give the framework for MIS organisation and explain its components.

Or

(b) Give a detailed account of the evolution of information systems.

12. (a) List and explain the steps of the structured methodologies of information system development.

Or

(b) List and explain the steps of system development life cycle method of information system development.

13. (a) What are the functional areas of management? Also, list and explain the subsystems of each of the functional areas of management.

Or

(b) What are the types of decision support system? Explain them in detail.

14. (a) List the techniques of coding and explain any one of them in detail.

Or

(b) What are the methods of input validation? Explain them in detail.

15. (a) List different software life cycle models and explain any one of them in detail.

Or

(b) Write short notes on:

(i) Software metrics

(ii) Software quality assurance.

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Question Paper Code : 85726

M.C.A. DEGREE EXAMINATION, FEBRUARY 2011.

Elective

DMC 1675 — MANAGEMENT INFORMATION SYSTEMS

(Regulation 2007)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Define Information System.
2. What do you mean by Business Model?
3. How the information is gathered for System Planning?
4. What is a Production System?
5. Define Hardware and Software.
6. What is the role of Computer in MIS?
7. How will you detect errors?
8. What is meant by Validation?
9. Define Software Metrics.
10. What is the significance of System Testing?

PART B — (5 × 16 = 80 marks)

11. (a) Briefly explain the evaluation of MIS. Explain the various benefits of MIS in detail.

Or

- (b) Explain the role of users in developing an information system for decision making. How will you establish the framework?

12. (a) Detail various stages of SDLC. Highlight the use of computers in every phase of it.

Or

(b) What are the components of critical success factors? Explain them in detail.

13. (a) Explain how MIS is used in marketing and finance department.

Or

(b) (i) Distinguish between MIS and DSS.

(ii) Relate MIS with organization structure.

14. (a) What are uses of cost benefit analysis in MIS? Explain.

Or

(b) Describe various method of implementing a system. How different it is for carrying out to an existing organization? Illustrate.

15. (a) Explain various stages of system design. How proper design helps during implementation stage?

Or

(b) Detail the procedure involved in conducting system audit. Highlight the role of system analyst in streamlining the audit procedure. Give example.

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Question Paper Code : GG 2543

M.C.A. DEGREE EXAMINATION, AUGUST 2010.

Elective

DMC 1675 — MANAGEMENT INFORMATION SYSTEMS

(Regulation 2007)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Define MIS.
2. What is business model?
3. Explain economic feasibility.
4. What is context diagram?
5. Distinguish between DSS and ES.
6. Define knowledge base.
7. Distinguish between transcription error and transposition error.
8. Define software security.
9. What is software quality assurance?
10. Distinguish between verification and validation.

PART B — (5 × 16 = 80 marks)

11. (a) Give the information system architecture and explain its components.

Or

- (b) List and explain different types of information system.

12. (a) What is DFD? Illustrate the construction of DFD for a real life application.

Or

(b) List and explain the steps of system life cycle method.

13. (a) List and explain the components of DSS.

Or

(b) Give a design of the MIS for the inventory control system of an automobile company.

14. (a) List and explain different input validation techniques.

Or

(b) What are the coding techniques? Explain them in brief.

15. (a) Define software engineering quality. List and explain its dimensions.

Or

(b) List different software life cycle models and explain any one of them.

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Question Paper Code : YY 2546

M.C.A. DEGREE EXAMINATION, FEBRUARY 2010.

Elective

DMC 1675 — MANAGEMENT INFORMATION SYSTEMS

(Regulation 2007)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. What is the purpose of Management Information System (MIS)?
2. Define the term “Information”.
3. What is software testing?
4. What is “Work break down structure” of an MIS project?
5. Distinguish between Information System and Computer based Information System.
6. What is the function of a “Chief Information Officer” in an organization?
7. How is cost benefit analysis of MIS performed?
8. What is the importance of validation of an MIS installation?
9. Why is system audit required?
10. What are the aspects measured by software quality?

PART B — (5 × 16 = 80 marks)

11. (a) (i) What are the functions of an MIS? Discuss. (8)
(ii) How is the framework for an MIS established? Describe. (8)

Or

- (b) (i) What are the functions of an MIS? Discuss in detail. (8)
(ii) Distinguish between a data processing system and MIS. (8)

12. (a) (i) What are the features of modern information systems? Discuss. (8)
(ii) Discuss the designing of structured programs with an example. (8)

Or

- (b) Discuss the various stages in the System Development Life Cycle (SDLC) applied to MIS development.

13. (a) How is MIS applied in Financial Management? Discuss in detail its applications including accounting, query, decision analysis etc.

Or

- (b) Discuss the following aspects of Expert Systems as part of MIS.
(i) Structure of an expert system. (5)
(ii) Forward and backward chaining. (5)
(iii) Explanation System. (6)

14. (a) Discuss with a case study a conceptual model for MIS implementation in an industry.

Or

- (b) How is the value and risk of an MIS analyzed? Explain with a case study.

15. (a) Discuss any eight software quality factors.

Or

- (b) Discuss the following :
(i) Software quality assurance. (5)
(ii) Software life cycle model. (5)
(iii) Human dimension of software quality. (6)