Reg. No. : ☐☐☐☐☐☐☐☐☐☐☐

# K 4512

## M.B.A. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2007.

### Second Semester

### BA 1655 — MANAGEMENT INFORMATION SYSTEM

### (Regulation 2005)

Time : Three hours                                     Maximum : 100 marks

Answer ALL questions.

### PART A — (10 × 2 = 20 marks)

1.  Identify the framework of an Information System.

2.  Differentiate between Data, information and knowledge.

3.  Name the important features of Management Information System.

4.  Define structured programs.

5.  Name the important components of D.S.S.

6.  Where are Expert System used?

7.  Why is Cost Benefit Analysis used?

8.  Define validation.

9.  What is software quality assurance?

10. What is meant by Software metrics?

### PART B — (5 × 16 = 80 marks)

11. (a) (i)  What characteristics of an Information System make it Management Information Systems?          (8)

    (ii) Highlight the evolution of Information system.          (8)

Or

    (b) Discuss the architecture of Management Information System.

12. (a) Discuss the different phases of System Development Life Cycle.

Or

(b) Explain the various steps involved in designing Computer based Information Systems for a hospital and present the feasibility report for the same.

13. (a) Identify the various components of Manufacturing Information System.

Or

(b) What is the relevance of Expert Systems in production engineering?

14. (a) What are the different types of Coding Techniques? What is Encryption? How does it serve security purposes?

Or

(b) How is value and risk of information systems assessed?

15. (a) Explain the significance of Software Lifecycle Models.

Or

(b) (i) Describe briefly the concept of Software Specification with a suitable illustration. (8)

(ii) Differentiate software quality assurance and Software Quality Control. (8)

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