Reg. No. : | | | | | | | | | | |

Question Paper Code: 31867

B.E. / B.Tech. DEGREE EXAMINATION, NOV 2016

Elective

Information Technology

01UIT907 - MANAGEMENT INFORMATION SYSTEMS

(Regulation 2013)

Duration: Three hours Maximum: 100 Marks

Answer ALL Questions

PART A - (10 x 2 = 20 Marks)

1. Define Management Information Systems.
2. List out the common job responsibilities of functional analyst.
3. Distinguish between deterministic and probabilistic (stochastic) mathematical modeling.
4. What are the properties of a good heuristic algorithm?
5. Differentiate between information and data.
6. Mention the characteristic of business decision making.
7. Why On-line Transaction Processing System (OLTP) is fast compared to batch processing?
8. What is SET?
9. Define Prototyping.
10. How spiral model is differs from agile model?

PART - B (5 x 16 = 80 Marks)

11. (a) (i) Illustrate the functions of an Information System with a neat diagram. (10)

(ii) How Information system and organization influence one another. (6)

Or

(b) Summarize the user roles in systems development process. (16)

12. (a) Describe the mathematical models in detail. (16)

Or

(b) Illustrate about information flow in an organization. (16)

13. (a) What is Information theory? Describe about Shannon's theorem and ideas in brief with an example. (16)

Or

(b) Explain about classification and compression in brief. (16)

14. (a) (i) Draw a data flow diagram for an order entry system. (8)

(ii) Write short notes on purchasing system with an example. (8)

Or

(b) (i) Evaluate the different reasons of system projects. (10)

(ii) Summarize the sources of project requests. (6)

15. (a) Describe about System Development Life Cycle (SDLC) in brief with neat diagram. (16)

Or

(b) (i) Summarize the limitations of SDLC in brief. (8)

(ii) What is outsourcing? Analyze the outsourcing process of a firm and write a note on it. (8)
