

Registration no:

--	--	--	--	--	--	--	--	--	--

Total Number of Pages: 2

B.TECH
PETX5412

8th Semester Regular / Back Examination 2016-17

MANAGEMENT INFORMATION SYSTEM

BRANCH(S): MECHANICAL

Time: 3 Hours

Max Marks: 70

Q.CODE: Z156

**Answer Question No.1 which is compulsory and any five from the rest.
The figures in the right hand margin indicate marks.**

- Q1 Answer the following questions: (2 x 10)**
- a) What is the significance of MIS to an organization?
 - b) Differentiate between decision making under certainty and uncertainty.
 - c) What do you mean by SRS document?
 - d) Define and explain data dictionary?
 - e) Define Coupling. What is meant by control coupling?
 - f) What is OLTP and OLAP?
 - g) Explain E R diagram.
 - h) What are the uses of HIPO diagram?
 - i) What are the main features of ethical choice?
 - j) What is Critical Success Factor?
- Q2 a) What is MIS? Explain the characteristics of MIS. (5)**
- b) Discuss the three types of Information based on their use at different levels of management. (5)**
- Q3 a) What do you mean by DFD? Draw context level and first level DFD for Marks Scored and its corresponding Grade calculation/display software. (5)**
- b) What are the two main behavioral models for Decision Making? Explain. (5)**
- Q4 What do you mean by System Development Life Cycle model? Explain the steps of Waterfall model. (10)**
- Q5 a) What do you mean by feasibility study? Describe different types of feasibility study? (5)**

- b) What is a decision tree? (5)
- A University has rules for student to give grade based on % of marks.
- (i) If % of marks ≥ 90 then 'O' grade
 - (ii) If % of marks ≥ 80 and ≤ 89 then 'E' grade
 - (iii) If % of marks ≥ 70 and ≤ 79 then 'A' grade
 - (iv) If % of marks ≥ 60 and ≤ 69 then 'B' grade
 - (v) If % of marks ≥ 50 and ≤ 59 then 'C' grade
 - (vi) If % of marks ≥ 40 and ≤ 49 then 'D' grade
 - (vii) Otherwise F Grade

Draw a decision tree for the above problem.

- Q6** a) What are the basic characteristics of a good system design? (5)
- b) What is Enterprise Resource Planning (ERP) System? Explain its advantages and disadvantages. (5)
- Q7** a) How does the Information System affect the social environment? What is Information System hacking? (5)
- b) Discuss the role of MIS in marketing. (5)
- Q8** Write short notes on any two: (5 x 2)
- a) Data Warehouse
 - b) Structure Charts
 - c) Decision support system (DSS)
 - d) MIS in HRM