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Total Number of Pages: 2

**B.Tech**  
**PETX5412**

**8<sup>th</sup> Semester Regular / Back Examination 2016-17**  
**MANAGEMENT INFORMATION SYSTEM**

**BRANCH: CIVIL**

**Time: 3 Hours**

**Max Marks: 70**

**Q.CODE: Z107**

**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 are the differences between data and information?
  - b) What is information system?
  - c) State the role of SRS in system analysis and design.
  - d) What is perfective maintenance?
  - e) What is the role of ER diagram in information system?
  - f) What is context diagram? Explain with an example.
  - g) Why requirement analysis is an important part of system life cycle.
  - h) How information system is helpful for a manager?
  - i) What are the main features of ethical choice?
  - j) State two moral dimensions of information age.
- Q2 a) Why Tactical Information System is different from Operational Information System? (2)**
- b) How Decision Support System is helpful in taking quality decision? (8)**  
What are the different types of DSS?
- Q3 a) What are the different phases of decision making? (5)**
- b) What is the use of DFD? Construct upto the second level DFD for standard deviation calculation software. (5)**
- Q4 a) What is spiral model? Define the phases of spiral model with its advantages and disadvantages. (5)**
- b) Why information systems are vulnerable and how we can ensure security? (5)**

- Q5** a) Choose a specific industry and identify three common decisions within it. Identify one decision at each level (operations, tactical, and strategic). (5)  
b) What are the different characteristics of information? (5)
- Q6** a) Write the differences between waterfall model and prototype model. (5)  
What are the advantages of prototype model over waterfall model?  
b) What is decision tree? Give a suitable example of decision tree. (5)
- Q7** State the differences between cohesion and coupling. Explain different classes of cohesion and coupling. (10)
- Q8** Write short answer on any TWO: (5 x 2)  
a) ERP system  
b) Data Mining  
c) Privacy Vs Security  
d) HRM