

**III/SEM/CSE/IT/2015(W)**

**( 2 )**

**MANAGEMENT INFORMATION SYSTEM**

**Sub Code-CST-302**

**Full Marks : 70**

**Time : 3 hours**

**Answer any five questions**

*The figures in the right-hand margin indicate marks*

- 1. (a) Define MIS. 2
- (b) Define the terms data and information. Discuss the differences between data and information. 5
- (c) Discuss various categories of MIS and their role in decision making. 7
- 2. (a) What is an expert system ? 2
- (b) What is a transaction processing system and how does it support operational decision making ? Why is a TPS often considered the data lifeline of an organization ? 5
- (c) Explain decision making in MIS. What are the two types of decisions ? Explain each one of them with suitable example. 7

**( Turn Over )**

- 3. (a) Identify the time and space units of a computer. What does MIPS stand for ? 2
- (b) What is the main difference between OCR and MICR in terms of how the data is read ? 5
- (c) Describe the classification of Software. 7
- 4. (a) What determines the transmission speed of a channel ? 2
- (b) Describe the advantages and disadvantages of databases over traditional files. 5
- (c) Identify the hardware components of a telecommunication network with a neat diagram. Explain about each component in brief. 7
- 5. (a) Define database schema and subschema. 2
- (b) Explain integrated office. 5
- (c) Describe different methods to organise data in a file-oriented environment. 7
- 6. (a) Define client-server technology. 2

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**( Continued )**

( 3 )

- (b) Identify and explain any three characteristics of a decision support system. 5
- (c) What are the different components of a client-server system ? Explain in brief about each component with illustration. 7
7. (a) Define Quality Information System. 2
- (b) Give a brief idea about Research and Development Information System. 5
- (c) What is prototyping and what is its use in SDLC ? Also discuss different types of prototypes, their advantages and disadvantages. 7

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