1 SEM TDC ITN (CBCS) DSC 1

2 0 2 1

(March)

INFORMATION TECHNOLOGY

(Discipline Specific Course)

Paper : DSC–1

(Information System)

Full Marks : 80
Pass Marks : 32

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

1. Answer the following :   1×5=5

   (a) What is WWW?

   (b) Define input and output devices of computer.

   (c) What is telecommunication of communication system?

   (d) What is distributed processing of computer?

   (e) Define system software.

2. Answer the following :   2×5=10

   (a) Explain briefly about performance-based information system.

   (b) Write the difference of Internet and Intranet services.

   (c) Write briefly the basic characteristics of DRAM.

   (d) Write briefly about two popular DBMS softwares.

   (e) Explain briefly about E-commerce.

3. Answer any *two* of the following :   4×2=8

   (a) Write the characteristic of communication system.

   (b) What is CPU? Write different elements of CPU.

   (c) Explain the concept of hierarchical data model.

4. Answer any *five* of the following :   5×5=25

   (a) Briefly explain the secondary devices of computer.

   (b) Explain briefly the system development trend of information system.

   (c) State different types of network topologies used in computer system.

(3)

(d) Explain briefly the C2B model with example.

(e) Write briefly about machine and assembly language.

(f) Discuss electronic payment system with examples.

(g) Explain the role of Internet in information system.

5. Write briefly about sequential and random access memory with example.　　5

6. Write briefly about main components of information system.　　7

7. Explain the strategies for success of application in E-commerce.　　10

8. Explain the relationship between organization and information system in IT.　　10

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