Roll No. ☐☐☐☐☐☐☐☐☐☐☐☐   Total No. of Pages : 02

Total No. of Questions : 08

M.Tech.(IT)/(CSE Engg.) (E-IV)   (Sem.–3)
BUSINESS INFORMATION SYSTEMS
Subject Code : CS-526
M.Code : 35424

Time : 3 Hrs.   Max. Marks : 100

INSTRUCTION TO CANDIDATES :
1. **Attempt any FIVE questions out of EIGHT questions.**
2. **Each question carries TWENTY marks.**

1. An understanding of the nature of information is fundamental to the study of information systems. Using specific examples, you are required to :

   (a) Define Information. (5)

   (b) Describe the characteristics that will be present in information of high quality. (5)

   (c) Describe how the value of information can be determined. (10)

2. Describe the different approaches to file processing. What are the major characteristics, advantages and disadvantages of each? (20)

3. You have been approached for advice by the manager of a small company. The manager wishes to purchase a number of software packages in order to improve the productivity of staff. Prepare a guide that can be used by the manager when selecting appropriate applications. (20)

4. What are the advantages and disadvantages of the following types of media? Is each more likely to be found in a local- or wide-area network?

   (a) Copper cable (5)

   (b) Fibre-optic (5)

   (c) Satellite (5)

   (d) Microwave (5)

5.   Why is it difficult and often impossible for a software project manager to balance the three constraints of time, budget and quality? You should relate your answer to two different aspects of the quality of the delivered information system.   (20)

6.   Which different types of validation need to occur on data input to a system to ensure information quality?   (20)

7.   What motivates an individual or organization to create a computer virus? Justify.   (20)

8.   "*The cost of software applications leaves some users no choice but to make illegal copies.*" Make a case in favour or against this argument.   (20)

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.