



RN-8093

B. E. - II (Sem. III) (IT) Examination

May / June - 2010

Business Information System

Time : 3 Hours]

[Total Marks : 100

Instructions :

(1)

नीचे दृशविवेक निशानीवाणी विगतो उत्तरवडी पर अवश्य लखवी.
Fillup strictly the details of signs on your answer book.

Name of the Examination :
B. E. - 2 (Sem. 3) (IT)

Name of the Subject :
Business Information System

Subject Code No. : 8 0 9 3 Section No. (1, 2,.....): 1&2

Seat No. :

Student's Signature

- (2) Use separate answer sheet for each section.
(3) Make assumptions wherever required.
(4) Numbers on the right side indicate marks.

SECTION - I

- 1 (a) Answer the following : 6
- (1) The expansion ratio is a measure of growth of the file. (True/False). 1
- (2) Explain simplex, half duplex, duplex data transmission mode. 2
- (3) Write full name of following : ASCII, EBCDIC, PROM, EPROM. 2
- (4) A compiler is similar to an interpreter except that the source program statements are converted one at a time into object program instructions immediately before execution. (True/False) 1
- (b) Write objectives of system design. 4
- (c) Explain indexed-sequential searching. 5
- (d) Explain advantage and disadvantage of key-to-disk systems.. 5

- 2 (a) Explain in brief : Reconstruction mode and overlay mode. 8
 (b) Explain exception reports and Ad hoc reports. 7

OR

- 2 (a) Explain fact finding methods in detail. 8
 (b) Explain advantages and disadvantages of COM. 7

- 3 Answer any **three** : 15
 (a) Write short note on data dictionary.
 (b) Explain Modulus-11 check digit system.
 (c) Three terminals (A, B and C) have reliability factors 0.6, 0.9 and 0.8 respectively. The requirement is for at least two terminals at a time. Find the reliability factor 'r' for the given system.
 (d) Explain levels of information.

SECTION – II

- 4 (a) Answer the following : 10
 (1) Define probabilistic system. 1
 (2) Explain data transmission. 2
 (3) Explain LAN, WAN. 2
 (4) In the rule based tree of an expert system the top node of the tree is called the _____ node. 1
 (5) Define feasibility survey. 2
 (6) What does the following "Pictures" ? Define : 2
 (a) A(12)
 (b) 99/99/99.
 (b) What is terminal ? What are the types of terminal ? Explain in detail. 5
 (c) Explain software testing. 5
- 5 (a) What is data switching ? Explain two types of data switching in detail. 8
 (b) Explain Drum Printer and chain printer. 7

OR

- 5 (a) Explain Microcomputers. Explain characteristics of microcomputers. 8
- (b) Explain different method of obtaining security and accuracy. 7
- 6 Answer any **three** : 15
- (a) Describe decision table in detail.
- (b) What are the design features of printed documents ?
- (c) Explain Electronic Mail (EM).
- (d) Explain logical file subsystem.
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