First Year B.C.A (Semester - I) Examination
Paper - 15BCA104
File System And Business Data Processing

Time : Three hours]   [Full Marks - 60

N.B. :   i)   All questions carry equal marks
ii)   Due credit will be given to neatness & adequate dimensions.
iii)   Assume suitable data wherever necessary.
iv)   Use Blue/Black ink/refill only for writing the answer book.

Q.1   Choose correct alternative.   5
a)   Finding the location of a given item in a collection of items is called _____
i)   Discovering   ii) Finding
iii)   Searching   iv) Mining
b)   To move a copy of file one computer to another over a communication channel is called ?
i)   File transfer   ii) File encryption
iii)   File modification   iv) File copying
c)   File type can be represented by _____
i)   File name   ii) File extension
iii)   File identifier   iv) None of the mentioned
d)   You organize files by storing them in ___
i)   Archives   ii) Folders
iii)   Indexes   iv) Lists
e)   Which of the following is an external sorting.
i)   Insertion sort   ii) Bubble sort
iii)   Merge sort   iv) Tree sort

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Q.2 a) Explain what is File & Basic file operation in detail. 6
     b) Differentiate between Logical File & Physical File. 5

OR

Q.3 a) Explain types of file organization. 6
     b) Explain in short sorting, searching & merging. 5

Q.4 a) Explain Index Sequential File Organization. 5
     b) Explain File Merging & Retrieval of Information. 6

OR

Q.5 a) Describe Hash File in detail. 6
     b) Explain sequential file organization with its
         advantages. 5

Q.6 a) What is Distributed File ? Explain in detail. 6
     b) Write advantages & uses of Data Structure. 5

OR

Q.7 a) Explain File Security Issues & Implementation. 6
     b) Explain Storage Organization. 5

Q.8 a) Differentiate between Data & Information. 5
     b) What is MIS ? Explain characteristics if MIS. 6

OR

Q.9 a) What is MIS ? Explain with its need. 6
     b) Explain Data Processing Cycle in detail. 5

Q.10 a) Explain Mechanical & Electronic Data processing ?
         Write its advantages & disadvantages. 6
     b) What are the elements of data processing ? Explain
         the level of data processing. 5

OR

Q.11 a) Explain offline & online data processing ? Write its
         advantages & disadvantages. 6
     b) Explain Multiprogramming & multiprocessing in data
         processing. 5

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