

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 Solve the following using correct option. 5

- a) Arrangement of data into a specific order is classified as,
 - i) Sorting
 - ii) Ordering
 - iii) Learning
 - iv) Enquiring
- b) Organized collection of records is considered as ____
 - i) Record
 - ii) File
 - iii) Rows
 - iv) Column
- c) Two sequential files with ordered records are combined in single file is considered as
 - i) Searching
 - ii) Merging
 - iii) Finding
 - iv) File learning
- d) Fields may includes
 - i) Fixed length
 - ii) Variable length
 - iii) Item length
 - iv) Both (i) and (ii)
- e) Set of operations carried on to process gathered data is called.
 - i) Information technology
 - ii) Information cycle
 - iii) Data processing cycle
 - iv) Information

- Q.2 a) Explain :- 6
 i) Fields ii) Records iii) Files
 b) What is Index ? Explain 5

OR

- Q.3 a) Write any six differences between logical and 6
 physical file.
 b) Explain :- 5
 i) Searching ii) Merging

- Q.4 a) Write algorithms for searching and sorting of files in 6
 detail.
 b) Explain sequential file organisation in detail. 5

OR

- Q.5 a) Explain Hash File ? And state the advantages and 6
 disadvantages of relative files.
 b) What is File Merging and Retrieval of information ? 5
 Explain in detail.

- Q.6 a) Explain file structure with its advantages and use. 6
 b) Write any five advantages of data structure. 5

OR

- Q.7 a) What is Distributed File ? Explain in detail. 6
 b) Explain storage organization in detail. 5

- Q.8 a) Explain data processing system in detail. 6
 b) What is information system ? Explain in detail. 5

OR

- Q.9 a) What is MIS ? State its characteristics. 5
 b) Explain development of data processing in detail. 6

- Q.10 a) Explain transaction and real time data processing in 6
 detail.
 b) What is Multiprogramming and multiprocessing in 5
 detail.

OR

- Q.11 a) Explain offline and online data processing in detail. 6
 b) Explain batch data processing in detail. 5
