

Paper Code: DSE47103

School of Management, BBD University

Program: BBA

Sem: 5th

Second Sessional Test Paper Odd Sem (2024-25)

Subject: Data Base Management System

Time: 60 Minutes

Max. Marks: 30

SECTION-A

(This section contains very short answer-type questions)

Q. No. 1. Attempt *All parts* of the following:

[5*1 = 5]

- a) What is a File?
- b) What do you mean by B+ Tree?
- c) What is RAID?
- d) Mention 4 input and output devices each.
- e) Explain trivial and non-trivial FD with examples.

SECTION-B

Q.No.2. Attempt *any Two* of the following:

[7.5*2 = 15]

- a) Differentiate between database and file system.
- b) Discuss various types of normalization. Explain with the help of an example.
- c) What are the security considerations in a Database Management System?
- d) Explain the term memory hierarchy. What are the differences between primary, secondary, and tertiary storage? Give an example of each.

SECTION-C

Q. No. 3. Attempt *any One* of the following:

[10*1 = 10]

- a) Define Functional Dependency. Also, explain 6 types of inference rules in FD with examples.
- b) Explain types of Information Systems and their Applications.
- c) Briefly explain the various types of file organization with examples.