

Seat No. : \_\_\_\_\_

# MJ-227

May-2025

BCA, Sem.-II (NEP 2020)

IDC-BCA-124 T : DMBS

(Data Management Software for Business)

Time : 1:00 Hour]

[Max. Marks : 25

1. (A) Explain in detail about the experimental project that was carried out in ancient India. 5
- (B) What is the role of Artificial Intelligence ? Explain in detail. 5

**OR**

1. (A) Which technological descriptions in Ancient Indian texts have modern scientific proofs ? 5
- (B) Explain present effects of AI and its impact on smarter future. 5
2. (A) Differentiate between Data and Information with suitable examples of each. 5
- (B) Explain set operations with suitable examples. 5

**OR**

2. (A) What is DBMS ? Which are its functions ? 5
- (B) Explain various types of relationships among relations (tables) in relational database. 5
3. Answer the following : (Any Five) 5
  - (1) \_\_\_\_\_ is a subcategory of data analytics.
    - (a) Data analysis (b) Data segmentation
    - (c) Data sorting (d) Data indexing
  - (2) Mahrishi Bhardwaj established \_\_\_\_\_ as a learning center of India in vedic era.
    - (a) Prayagraj (b) Kashi
    - (c) Nalanda (d) Takshashila

- (3) Ancient Indian Texts are written in \_\_\_\_\_ language.
- (a) the English                      (b) the Sanskrit  
(c) the Roman                      (d) the Greek
- (4) SQL is referred as \_\_\_\_\_ Query Language.
- (a) Standard                      (b) Stored  
(c) Sophisticated                      (d) Structured
- (5) Each column in a relation is called a \_\_\_\_\_.
- (a) tuple                      (b) table  
(c) domain                      (d) attribute
- (6) \_\_\_\_\_ gives a vertical subset of a table.
- (a) Union                      (b) Join  
(c) Intersection                      (d) Project
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