PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BCom DEGREE EXAMINATION DECEMBER 2023
(Third Semester)

Branch – **COMMERCE (BUSINESS ANALYTICS)**

<u>NOSQL-MONGO DB</u>

Time: Three Hours   Maximum: 50 Marks

<u>SECTION-A (5 Marks)</u>
Answer ALL questions
ALL questions carry EQUAL marks   (5 x 1 = 5)

1.   What is a MongoDB database?
      (i) A group of related collections   (ii) A group of related documents
      (iii) A group of related tables   (iv) A group of related data values

2.   Which of the following is a command used to create a new database in MongoDB?
      (i) INSERT   (ii) UPDATE   (iii) DELETE   (iv) None of the above

3.   What is the use of the $unset operator in MongoDB?
      (i) To remove a field from a document
      (ii) To remove a document from a collection
      (iii) To set the value of a field in a document to null
      (iv) None of the above

4.   The Collections screen ___ the existing collections & views in the selected database.
      (i) Lists   (ii) Package
      (iii) Network   (iv) None of the mentioned above

5.   What is MapReduce in MongoDB?
      (i) A Data Modeling Technique
      (ii) A query optimization Method
      (iii) A distributed data Processing Paradigm
      (iv) A Document Storage format

<u>SECTION - B (15 Marks)</u>
Answer ALL questions
ALL questions carry EQUAL Marks   (5 x 3 = 15)

6. a. Explain the key features and advantages of using MongoDB as a NoSQL database.

OR

   b. Compare different Database types in Mango DB .

7   a. Describe parsing csv in Mango DB.

OR

   b. Explain $in and $all operators in Mango DB.

8. a. Explain Field Quires and Projection Quires.

OR

a. Outline Storing concept in Mango DB.

9. a. Summarise the Data Replication in Server.

OR

b. Explain Mango DB Indexes.

10. a. Explain about Text processing in Mango DB.

OR

b. Explain Map Reduce Concept in Mango DB.

SECTION -C (30 Marks)
Answer ALL questions
ALL questions carry EQUAL Marks   (5 x 6 = 30)

11. a Compare and explain Mango DB and RDBMS Databases.

OR

b. Discuss about Mango DB Configuration.

12. a. Highlight how to Create a database, Read, Update and delete in mango DB.

OR

b. Explain Operators in Mango DB with example.

13. a. Examine Aggregation Framework in Mango DB.

OR

b. Discuss about Aggregation Operator in Mango DB.

14. a. Summarise the Mango DB Relationships.

OR

b. Discuss Mango Db Object Id.

15 a. Discuss Text Processing of Large data Sets.

OR

b. Survey on regular Expression Case study in mango DB.

Z-Z-Z   END