

M.Sc.(IT & CA) Semester - 1 (CBCS) Examination
OCT/NOV-2024 (AS PER SYLLABUS YEAR JUNE-2018)
NoSQL DATABASE: MongoDB(CORE)

Time: 2:30 Hours**Marks:70****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate marks.

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- Que.1(A) Answer the following questions. (03)
1. What is document?
 2. What is Collection?
 3. What is Scalability?
- Que.1(B) Answer the following question. (Any Two) (06)
1. Explain advantages of NoSQL.
 2. Define collection and Database in MongoDB.
 3. Write down steps to install MongoDB.
 4. Explain Data Model Design.
- Que.1(C) Answer the following question. (Any one) (05)
1. Describe BASE in NoSQL.
 2. Explain Characteristics of NoSQL databases.
- Que.2(A) Answer the following questions. (03)
1. RDBMS Full form.
 2. What is relational model?
 3. What is upsert.?
- Que.2(B) Answer the following question. (Any Two) (06)
1. Explain sort() Method.
 2. Explain find() method.
 3. Explain Normalized Data Models.
 4. Explain db and dbpath.
- Que.2(C) Answer the following question. (Any one) (05)
1. Explain update () with example.
 2. Explain how to display data from mongodb using php with example.
- Que.3(A) Answer the following questions. (03)
1. What is Session_id()?
 2. What is HTTP Session?
 3. What is Session_destroy()?
- Que.3(B) Answer the following question. (Any Two) (06)
1. What is session manager?
 2. Define fopen() and fclose().
 3. Write advanatges of HTTP session.
 4. What is Session Manager? Explain it.
- Que.3(C) Answer the following question. (Any one) (05)
1. Difference between files and databases
 2. Explain PHP native session with example.

- Que.4(A) Answer the following questions. (03)
1. What is Map phase?
 2. What is Aggregation in MongoDB?
 3. What is real time analytics?
- Que.4(B) Answer the following question. (Any Two) (06)
1. Define include() in php.
 2. Explain emit () Method with example.
 3. Explain Distinct () Method with example.
 4. Explain runCommand() method with all arguments.
- Que.4(C) Answer the following question. (Any one) (05)
1. Explain group() with Example.
 2. Explain Mapreduce in detail.
- Que.5(A) Answer the following questions. (03)
1. What is optimization?
 2. What is the size of chunk file?
 3. What is GridFS?
- Que.5(B) Answer the following question. (Any Two) (06)
1. Explain Replication.
 2. Explain sharding.
 3. Explain files and chunks collection.
 4. Explain the use of profiler.
- Que.5(C) Answer the following question. (Any one) (05)
1. Explain Import and Export Data.
 2. Write code for uploading file in GridFS.
