

Total No. of Questions : 5]

SEAT No. :

P6847

[Total No. of Pages : 2

[5803]-504
B.B.A. (CA)
CA-504 : MONGO DB
(2019 Pattern) (Semester - V)

Time : 2½ Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) *All questions are compulsory.*
- 2) *Neat diagrams must be drawn wherever necessary.*
- 3) *Figures to the right indicate full marks.*

Q1) Answer the following (any 8) :

[16]

- a) Define NOSQL database.
- b) List MongoDB data types.
- c) List MongoDB Tools.
- d) What is Document in MongoDB?
- e) Explain Aggregation in MongoDB?
- f) What are indexes in MongoDB?
- g) Write basic syntax of insert one () method.
- h) Write basic syntax of remove () method.
- i) What is embedding?
- j) Explain one_to_many relationship with example using References.

Q2) Answer the following (any 4) :

[16]

- a) Explain analogy between RDBMS & MongoDB.
- b) Explain Mongo shell commands with example :
 - i) Create database
 - ii) Delete database

P.T.O.

- c) Explain with syntax how to insert and save the documents.
- d) Write a note on MongoDB CRUD concerns. (Read and write operations).
- e) Explain applications of MOSQL database.

Q3) Answer the following (any 4) : **[16]**

- a) Explain the advantages of MongoDB.
- b) Explain MongoDB Architecture.
- c) Explain Types of Aggregation in detail.
- d) Write a note on MongoDB monitoring tools.
- e) Explain how to export and import data to and from MongoDB.

Q4) Solve the following : **[16]**

- a) Create a collection 'Shopping'.
- b) Create a new document in 'Shopping' collection having ID = 01.
- c) Write a command to show the details of 'Shopping'.
- d) Show the details of 'Shopping' by 'FIND' command.
- e) Display the details of 'Shopping' by 'FINDONE' command.
- f) Display the detail of 'Shopping' whose price is greater than 3000.
- g) Display ID, shopping item, price, use 'PRETTY()'.
- h) Display details of shopping having price 500 and delivery in 3 days.

Q5) Solve the following (any 2) : **[6]**

- a) Explain Backup and Recovery methods used for MongoDB.
- b) Why MongoDB is the best MOSQL database?
- c) Which languages can we use with MongoDB?

