

[Total No. of Questions - 9] [Total No. of Printed Pages - 2]

MAY-24-1051

MCA-6205 (Web Technologies (Node.js and MongoDB))

MCA-2nd CBCS/NEP

Time : 3 Hours

Max. Marks : 60

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note: Attempt five questions in all, selecting one question each from Section A, B, C and D. Section E is compulsory.

Section A

1. What is HTML and why is it used? Write the HTML tags along with their description and examples. (12)
2. What is Server. What are the different types of servers? Explain the use of each type of server. (12)

Section B

3. Write the different advantages and disadvantages of Node.js. Also, explain the working of Node.js. (12)
4. What are the different Modules in Node.js? Explain each of them along with their syntax. (12)

Section C

5. Write the syntax to read and write a file in different modes in file system. (12)
6. Describe the concept of event handling in Java Script and its importance in web development. (12)

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Section D

7. What is MongoDB? Write about the different features of MongoDB. (12)
8. What is CRUD? Explain what are CRUD operations and why are they important in a database management system. (12)

Section E (Compulsory)

9. a. What is a marquee in HTML? ,
- b. What are the advantages of CSS?
- c. Write the applications in which Node.js is most frequently used.
- d. What do we mean by foreground and background events in event handling?
- e. What are the data types in MongoDB?
- f. What are the pros and cons of Node.js? (6×2=12)