



003-3083002

Seat No. _____

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MASTER OF SCIENCE (INFORMATION TECHNOLOGY & COMPUTER APPLICATION)(W.E.F.-2022) M.SC. (IT&CA)(2022)
Semester - 3 Examination

M.SC. (IT&CA) (2022) SEMESTER-3 OCT-2024

CS-14 NODE JS

Time : 2.5Hours]

[Total Marks : 70

- 1 (A) Answer the following: 4
- 1 Node JS was developed by _____
 - 2 To check the version of Node, _____ command is used.
 - 3 npm stands for _____
 - 4 In REPL, _____ is used to get the last result.
- (B) Answer in brief (Any one out of two) 2
- 1 What is REPL ?
 - 2 List out NodeJS Console methods.
- (C) Answer in detail (Any one out of two) 3
- 1 Differentiate : Node JS V/s. Angular JS
 - 2 Differentiate : Node JS V/s. AJAX
- (D) Write a note on (Any one out of two) 5
- 1 How to create Node file with JavaScript ?
 - 2 Explain Node JS process model.
- 2 (A) Answer the following: 4
- 1 What is buffer ?
 - 2 List out NodeJS modules.
 - 3 URL stands for _____
 - 4 The Query String module used to convert query string into JSON object. (True/False)
- (B) Answer in brief (Any one out of two) 2
- 1 Explain in brief : NPM
 - 2 How to install package globally ?

(C) Answer in detail (Any out of two)

3

- 1 Explain primitive datatypes.
- 2 Explain local module.

(D) Write a note on (Any one out of two)

5

- 1 Explain Query String module.
- 2 Write a note on URL module.

3 (A) Answer the following:

4

- 1 http stands for _____.
- 2 _____ method is used to append the data to the file.
- 3 _____ method is used to create, read, or write a file.
- 4 To delete a directory, _____ method is used.

(B) Answer in brief (Any one out of two)

2

- 1 Define : fs.renameSync()
- 2 List out modes for opening a file.

(C) Answer in detail (Any one out of two)

3

- 1 Write a code to write a file.
- 2 Write a code to delete a file.

(D) Write a note on (Any one out of two)

5

- 1 How to read content in file ? Explain with example.
- 2 Write a code to handle http request for Web Server.

4 (A) Answer the following:

4

- 1 emitter.removeListener() method removes all listeners, or those of the specified event. (True/False)
- 2 Explain EventEmitter.
- 3 Event Handler is a function that performs some actions for a particular event happening. (True/False)
- 4 Write the query for creating database.

(B) Answer in brief (Any one out of two)

2

- 1 What is synchronous call ?
- 2 Explain event loop.

(C) Answer in detail (Any one out of two)

3

- 1 How to pass arguments to an event ?
- 2 Explain Extend EventEmitter Class.

(D) Write a note on (Any one out of two)

5

- 1 Write a code to create emp table with the fields eno and ename and insert five records.
- 2 Write a code for display above records of the emp table.

5 (A) Answer the following:

4

- 1 What is express framework ?
- 2 Explain : cookie
- 3 _____ command will install latest version of express.js globally.
- 4 What is template engine ?

(B) Answer In brief (Any one out of two)

2

- 1 Explain response object.
- 2 Explain file upload.

(C) Answer in detail (Any one out of two)

3

- 1 How to manage cookie ? Explain.
- 2 Write a note on route parameters.

(D) Write a note on (Any one out of two)

5

- 1 Explain : how to send static file ?
- 2 List out request object methods and explain any three.