

1911000703040001
EXAMINATION NOVEMBER 2024
MASTER OF SCIENCE (INFORMATION AND
COMMUNICATION TECHNOLOGY) (THIRD SEMESTER)
OPEN SOURCE WEB DEVELOPMENT- LEVEL 4

[Time: As Per Schedule]

[Max. Marks: 70]

Instructions:

1. Fill up strictly the following details on your answer book

- a. Name of the Examination : **MASTER OF SCIENCE (INFORMATION AND COMMUNICATION TECHNOLOGY) (THIRD SEMESTER)**
 - b. Name of the Subject : **OPEN SOURCE WEB DEVELOPMENT-LEVEL 4**
 - c. Subject Code No : **1911000703040001**
2. Sketch neat and labelled diagram wherever necessary.
 3. Figures to the right indicate full marks of the question.
 4. All questions are compulsory.

Seat No:

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Student's Signature

Q.1 Answer the following. (Any SEVEN)

14

1. What is the use of npm run command?
2. How to get the size of a file in PHP?
3. Explain use of any 2 directives in the php.ini file.
4. What is use of the querystring module in node.js?
5. What is use ofmorgan in Express.js?
6. How to write to a file in nodejs?
7. Explain use of async..await with example?
8. How to get user request details in PHP?

Q.2 Answer the following. (Any TWO)

14

1. Explain use of http module in node.js along with request route handling in node.js.
2. What is Promise in node.js? How can it be handled? Explain with example and code.
3. Explain blocking and non-blocking code execution in node.js with necessary code.

Q.3 Answer the following in detail. (Any TWO) 14

1. Write a note on NoSQL document database along with querying methods of MongoDB database.
2. Explain methods and configurations for file uploading in Express.js application.
3. Explain any 3 package used in Express.js to secure web application.

Q.4 Answer the following in detail. (Any TWO) 14

1. List and explain Express.js application development aspects and best practice with suitable use case and code.
2. Explain use of PDO library in PHP with necessary code.
3. How can you manage session in PHP? Write necessary commands and code for its use.

Q.5 Answer the following in detail. (Any TWO) 14

1. Explain use of "Network" and "Application" tools in browser.
2. Explain websocket along with its applications and usage in nodejs.
3. Explain git workflow and its commands.
