

M.Sc.(IT & CA) Semester - 3 (CBCS) Examination
OCT/NOV-2025 (AS PER SYLLABUS YEAR JUNE-2024)
Node JS (Core (New-23))

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 Node.js?
 2. What does NPM stand for?
 3. What is AJAX?
- Que.1(B) Answer the following questions (ANY TWO) (06)
1. Explain Object Literal.
 2. Explain Defaults to local.
 3. Explain Node.js vs JavaScript.
 4. Explain Access Global Scope.
- Que.1(C) Answer the following questions (ANY ONE) (05)
1. Explain Node.js Primitive Types.
 2. Explain Node.js Functions.
- Que.2(A) Answer the following questions (03)
1. What is console.log()?
 2. What is REPL?
 3. What is console.error()?
- Que.2(B) Answer the following questions (ANY TWO) (06)
1. Explain console.log() and console.error().
 2. Explain Node.js Simple expressions with example.
 3. Explain Node.js Multiline expressions with example.
 4. Explain Node.js Underscore Variable with example.
- Que.2(C) Answer the following questions (ANY ONE) (05)
1. Explain Node.js Global vs Local installation.
 2. Explain Searching and Uninstalling Module.
- Que.3(A) Answer the following questions (03)
1. _____ are the blocks of encapsulated code that communicate with an external application on the basis of their related functionality.
 2. The _____ function will return a JavaScript type depending on what the particular module returns.
 3. to run the index.js file _____ command is use.
- Que.3(B) Answer the following questions (ANY TWO) (06)
1. Explain Module Loading and Caching.
 2. Explain Core Modules.
 3. Explain Local Modules.
 4. Explain Third-party modules.
- Que.3(C) Answer the following questions (ANY ONE) (05)
1. What is a Module in Node.js? Explain it with example.
 2. Explain export module in Node.js.

- Que.4(A) Answer the following questions (03)
1. What is Node.js Web Server?
 2. What is Debugging in Node.js?
 3. Which built-in Node.js module is commonly used to create an HTTP server?
- Que.4(B) Answer the following questions (ANY TWO) (06)
1. Explain Append operation with example.
 2. Explain Rename operation with example.
 3. Explain File System Module with URL Module Create.
 4. Explain Writing a file asynchronously.
- Que.4(C) Answer the following questions (ANY ONE) (05)
1. Explain how to handle HTTP Request.
 2. Explain reading and writing a File.
- Que.5(A) Answer the following questions (03)
1. What is emit() method?
 2. What is once() method?
 3. What is events module?
- Que.5(B) Answer the following questions (ANY TWO) (06)
1. Explain emitter.addListener() with example.
 2. Explain Asynchronous and Synchronous call.
 3. Explain Passing Arguments to listeners.
 4. Explain Extend EventEmitter Class.
- Que.5(C) Answer the following questions (ANY ONE) (05)
1. Explain Error events.
 2. Explain Node.Js Connection with MySQL.
