



RAN-2511001005022001

B.Sc. (Computer Science) (Sem. - V) Examination March - 2026

Major - 2 : CS - 504

Web Development Using Mean Stack (TH)

Time: 1 Hour]
[Total Marks: 25
સૂચના : / Instructions

- (1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the above details on your answer book.

Seat No.:

Student's Signature

Q.1.
Answer the following.
(8)
A. Answer any four. (MCQs)
(4)

- Which of the following is a JavaScript framework primarily used for front-end development?
 - Node.js
 - Angular
 - MongoDB
 - Express.js
- To update an existing resource, which HTTP method is commonly used in ExpressJS?
 - GET
 - POST
 - PUT
 - DELETE
- Which of the following best describes a RESTful API built with ExpressJS?
 - A static website generator
 - A service that exposes resources over HTTP using standard methods (GET, POST, PUT, DELETE)
 - A GUI interface for MongoDB
 - A templating engine for Node.js
- NodeJS is primarily used for:
 - Client-side scripting only
 - Server-side JavaScript execution
 - Database creation
 - Image processing
- To create a simple NodeJS server, which method is used?
 - http.createServer()
 - server.start()
 - app.listen()
 - node.server()
- According to Suryasiddhanta (Verse 3.9), Aryabhata described the motion of the Earth as:
 - Earth is stationary and the Sun moves around it
 - Earth rotates on its own axis causing day and night
 - The stars revolve around Earth in a fixed cycle
 - Earth revolves only around the Moon

B. Answer any four.
(4)

- In ancient Indian astronomy, which planet is closest to Earth?
- What does MEAN stand for in MEAN.JS?
- Mongoose provides which feature for MongoDB - Schema or Tables?
- Which feature of ExpressJS simplifies routing?
- AngularJS is mainly used for developing which type of applications?
- What does MVWstand for? In AngularJS, the view is represented by which component?

Q.3 Answer the following **[12]**

- A. Explain the basic CRUD operations (Create, Read, Update, Delete) in MongoDB with syntax and examples. **[7]**

OR

- A. Explain MVW architecture in AngularJS with a neat diagram. **[7]**
B. What is ExpressJS? Explain its role in Node.js application development. **[5]**

Q-3 A Answer the followings any one. **[5]**

- A. How can MongoDB be accessed in Node.js? Explain with an example.
B. State the advantages of ExpressJS.
C. Differentiate between built-in directives and custom directives in AngularJS.
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