

Please check that this question paper contains 9 questions and 2 printed pages within first ten minutes.

[Total No. of Questions: 09]
Uni. Roll No. 1905798

[Total No. of Pages: 2]

Program: B.Tech. (Batch 2018 onward)

Semester: 6th

Name of Subject: MEAN Full Stack Web Development

Subject Code: PEIT-109

Paper ID: 17209

Scientific calculator is Not Allowed

Time Allowed: 03 Hours

Max. Marks: 60

NOTE:

- 1) Parts A and B are compulsory
- 2) Part-C has Two Questions Q8 and Q9. Both are compulsory, but with internal choice
- 3) Any missing data may be assumed appropriately

Part – A

[Marks: 02 each]

~~Q1.~~

- ~~a)~~ List the benefits of full-stack development.
- ~~b)~~ Describe JavaScript closures with example.
- ~~c)~~ Explain the concept Rendering Views in Express web application with example.
- ~~d)~~ How express handles the requests in MEAN project?
- ~~e)~~ How to Structuring an AngularJS web application?
- ~~f)~~ Differentiate the concept of One-way and Two-way data binding.

Part – B

[Marks: 04 each]

~~Q2.~~ Which technologies make up the MEAN stack? Explain in detail. *Diagram also*

~~Q3.~~ Discuss the concepts of Mongoose schema. Also write a code how to create a schema.

~~Q4.~~ Explain the working routing, services in Angular with example.

~~Q5.~~ Illustrate, how the MEAN stack components work together to provide an application

~~Q6.~~ How to design a single-page web application with Angular?

~~Q7.~~ Illustrate, How the components of the simple Angular app fit together? Explain its working.

Part – C

[Marks: 12 each]

Q8. ~~X~~ How to design a common MEAN stack architecture using a REST API built in Node.js, Express, and MongoDB? Explain with detail examples.

OR

~~X~~ Discuss the process of implementation of MVC Pattern. Explain the horizontal and vertical folder structure with example.

Q9. ~~X~~ Write a code how the POST, GET, PUT, and DELETE HTTP request methods map to common CRUD operations in MEAN Web application with examples.

OR

~~X~~ Creating a new document/database using MongoDB and perform CURD Operations like insert, update, read and delete data with examples.
