

QP Code: R20A31AI03



# Anurag University

**B Tech III Year I-Semester Supplementary Examinations, May-2023****Course: Web Programming With MEAN  
(Common to AI & AIML)****Time: 3Hours****Max Marks: 60****Section –A (Short Answer type questions)**

- **Answer all questions:** (10 x 2 =20Marks)

1. What is the Architecture of World Wide Web?
2. What are the two types of HTTP?
3. What is the purpose of Heroku?
4. Draw the flow for “express and node to build a static site for testing views”?
5. Why model the data?
6. List four request methods used in REST API?
7. What does two way data binding mean?
8. Write a program to add angular to HTML file.
9. List the things to do for developing a working registration page
10. List the responsibilities of register controller?

**Section—B (Essay answer type questions)**

- **Answer all questions:** (5x8=40 Marks)

11. A) Discuss in detail Angular JS Framework?  
OR  
B) Explain MEAN stack architecture with a neat sketch?
12. A) Discuss how to create Express Project with an example code?  
OR  
B) What is View? How to create views? Explain adding the rest of the views?
13. A) How Mongoose helps bridge an express /node application to a Mongo DB database. Discuss in detail?  
OR  
B) Discuss GET methods used to read the data from Mongo DB with an example code?
14. A) Discuss working with angular components with an example?  
OR  
B) Discuss best practices for organizing code in a large angular application?
15. A) How to approach authentication in the MEAN stack? Explain with neat sketches?  
OR  
B) Briefly explain how to create angular authentication service with an example code?