

RAN-2611000906022001
T.Y.B.C.A. (Sem.-VI) Examination February - 2026
MJ-2 Fundamentals of Full Stack Web Development (TH) (Paper - 603-01)
Time: 1 Hours]
[Total Marks: 25
સૂચના : / Instructions

- (1) ઉપરોક્ત દશવિધ વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the above details on your answer book
- (2) Answer all the questions.
- (3) Figures in the right indicates full marks
- (4) Illustrate your answer with necessary example, if required.

Seat No.:

Student's Signature
Q.1. Answer the following. (Any FIVE)
[5]

1. Which command initializes a new Angular application?
 - a) ng start
 - b) ng init
 - c) ng new
 - d) ng create
2. How do you handle HTTP requests in Angular.
 - a) Using HttpService
 - b) Using HttpClient
 - c) Using HttpRequest
 - d) Using HttpModule
3. CORS is mainly used to:
 - a) Secure passwords
 - b) Allow cross-origin requests
 - c) Compress responses
 - d) Store cookies
4. Which token format is commonly used for authentication?
 - a) XML
 - b) JWT
 - c) HTML
 - d) CSV
5. Firebase Hosting is mainly used for:
 - a) Database storage
 - b) Authentication
 - c) Deploying frontend applications
 - d) Email services
6. CRUD stands for:
 - a) Create, Read, Update, Delete
 - b) Copy, Remove, Update, Deploy
 - c) Compile, Run, Upload, Debug
 - d) Connect, Render, Update, Design
7. Middleware in Express is used to:
 - a) Design UI
 - b) Handle database queries only
 - c) Process requests before responses
 - d) Compile JavaScript

Q.2. [A] Describe Standalone Components in Angular and explain its features
[4]
OR
Q.2. [A] What are Route Guards? Explain canActivate and canDeactivate with suitable example.
[4]

- Q.2. [B]** What are HTTP methods? Explain GET, POST, PUT, DELETE [4]
OR
- Q.2. [B]** What is CORS? Explain CORS and environment variables (.env)? [4]
- Q.3. [A]** Explain the structure of a Mongoose model. [4]
OR
- Q.3 [A]** Describe basic CRUD operations using Express and MongoDB with suitable examples [4]
- Q.3. [B]** Differentiate between Firestore and Realtime Database. [4]
OR
- Q.3. [B]** Describe how Firebase integrates with Angular applications. [4]
- Q.4. [A]** Differentiate between Smart and Dumb components. [4]
OR
- Q.4. [A]** Write a code for Reactive Form with two fields (email, password) using FormBuilder [4]
-