### **[Subject: Backend Development]**

1. Which of the following is a backend programming language?  
    a) HTML  
    b) CSS  
    c) JavaScript  
    d) Python  
    **Answer: d**
2. What does REST stand for in web development?  
    a) Representational State Transfer  
    b) Remote Server Transmission  
    c) Real-time System Transfer  
    d) Recursive Encapsulation of Structured Text  
    **Answer: a**
3. Which database is **NoSQL**?  
    a) MySQL  
    b) MongoDB  
    c) PostgreSQL  
    d) Oracle  
    **Answer: b**
4. What is the default port for a MySQL database?  
    a) 27017  
    b) 5432  
    c) 3306  
    d) 8080  
    **Answer: c**
5. In Node.js, which module is used to handle file system operations?  
    a) fs  
    b) http  
    c) express  
    d) os  
    **Answer: a**
6. What is an API?  
    a) Advanced Programming Interface  
    b) Application Programming Interface  
    c) Automated Program Integration  
    d) Asynchronous Programming Index  
    **Answer: b**
7. Which of the following is a backend framework?  
    a) React  
    b) Flask  
    c) Bootstrap  
    d) jQuery  
    **Answer: b**
8. Which command is used to install dependencies in Node.js?  
    a) npm install  
    b) node install  
    c) install npm  
    d) node get  
    **Answer: a**
9. What is the primary function of a backend in web development?  
    a) Designing web pages  
    b) Handling server-side logic and database operations  
    c) Styling HTML elements  
    d) Creating animations  
    **Answer: b**
10. In SQL, which clause is used to filter records?  
     a) WHERE  
     b) ORDER BY  
     c) GROUP BY  
     d) HAVING  
     **Answer: a**
11. What is the purpose of JWT (JSON Web Token)?  
     a) Encrypting frontend data  
     b) Securing user authentication  
     c) Speeding up database queries  
     d) Managing CSS styles  
     **Answer: b**
12. Which of these is a relational database?  
     a) MongoDB  
     b) Firebase  
     c) PostgreSQL  
     d) Redis  
     **Answer: c**
13. What is Express.js?  
     a) A frontend framework  
     b) A Node.js framework for building web applications  
     c) A programming language  
     d) A database management tool  
     **Answer: b**
14. What does CRUD stand for?  
     a) Create, Retrieve, Update, Delete  
     b) Connect, Read, Upload, Deploy  
     c) Configure, Run, Update, Develop  
     d) Cache, Restore, Utilize, Delete  
     **Answer: a**
15. In Python, which framework is commonly used for backend development?  
     a) Django  
     b) Vue.js  
     c) Angular  
     d) React  
     **Answer: a**
16. What is the role of middleware in backend development?  
     a) Handle CSS styles  
     b) Process requests between client and server  
     c) Display frontend animations  
     d) Manage database indexing  
     **Answer: b**
17. Which HTTP method is used to update data on the server?  
     a) GET  
     b) POST  
     c) PUT  
     d) DELETE  
     **Answer: c**
18. In MongoDB, what is a "collection"?  
     a) A table equivalent in a relational database  
     b) A single document  
     c) A database schema  
     d) A set of stored procedures  
     **Answer: a**
19. Which of these is a cloud computing platform?  
     a) VS Code  
     b) AWS  
     c) MySQL  
     d) HTML  
     **Answer: b**
20. Which file is used to define dependencies in a Node.js project?  
     a) index.js  
     b) package.json  
     c) server.js  
     d) config.js  
     **Answer: b**