



RAN-2511000905011001

T.Y.B.C.A. (Sem. - V) Examination October - 2025

503-01-MJ1: Advance Web Designing (Th) (New)

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.:

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Student's Signature

Q. 1 Choose the correct option (Any 4)

[04]

- NoSQL databases are primarily designed to handle :
 - Relational data with fixed schema
 - Large Volume of unstructured and semi-structured data
 - Only transactional data
 - Only numerical data
- JSX in React stands for:
 - Java Syntax Extension
 - Java Standard Expression
 - JavaScript XML
 - JSON XML
- In Angular, a component consists of :
 - Model, View, Controller
 - Service, Controller, Directive
 - Only HTML and CSS
 - Template, Logic and Styles
- Lilavati is named after:
 - A mathematical concept
 - A village
 - Bhaskaracharya's daughter
 - A goddess of learning
- Which language was Lilavati originally written in?
 - Pali
 - Sanskrit
 - Hindi
 - Prakrit

Q. 2 Answer the following in short (Any 4)

[04]

- What shapes are commonly discussed in Lilavati's geometry?
- What is Beej-Ganita in Indian mathematics?
- Explain ngOnlnit and ngOnChanges.
- Write MongoDB query to:
 - remove all the documents from a collection
 - delete a collection
- What are props in React?

Q. 3 Answer in detail

[09]

- (A) Explain Angular built-in pipes in detail

[05]

OR

- (A) What are hooks in React? Write rules to be followed while using hooks. Also explain useState () and useEffect () hooks with example.

[05]

- (B) Explain Projection operators in MongoDB.

[04]

Q. 4 Write a detailed note on following (any 2)

[08]

1. Data Types of MongoDB.
 2. Data Binding in Angular
 3. Form handling in React.
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