

KAMARAJ COLLEGE (Autonomous)

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(Affiliated to Manonmaniam Sundaranar University, Tirunelveli)

(4 Pages)

Reg. No:.....

Question Code: 26E02006

Course Code : 24UACA31

UG Degree - End Semester Examinations, April 2026

Third Semester

B.C.A

Bootstrap and React

(For those who joined in July 2024 onwards)

Time : 3Hours

Maximum : 75 Marks

PART - A (10 × 1 = 10 Marks)

Answer ALL Questions

Choose the correct answer :

- CO:1 1. Choose the default number of columns used in the Bootstrap grid
K:1 system.
- (a) 8 (b) 12
(c) 10 (d) 14
- CO:1 2. Explain why containers are important in Bootstrap layouts.
K:2
- (a) To store data (b) To align content
(c) To add colors (d) To write scripts
- CO:2 3. Identify what typography mainly refers to in web design.
K:1
- (a) Tables (b) Images
(c) Text (d) Buttons
- CO:2 4. Relate the purpose of the .img-fluid class in Bootstrap.
K:2
- (a) To makes image responsive (b) To makes image bold
(c) To hides image (d) To resize the image
- CO:3 5. Choose the Bootstrap component that is used to display warning
K:1 messages.
- (a) Alert (b) Tab
(c) Form (d) Dropdown
- CO:3 6. Explain the main purpose of a navbar in a website.
K:2
- (a) For navigation (b) For storage
(c) For printing (d) For coding

- CO:4 7. Identify which Bootstrap plugin is used to create sliding image galleries.
K:1
- (a) Carousel (b) Modal
(c) Alert (d) Table
- CO:4 8. Why modals are useful in web design?
K:2
- (a) To show pop-ups (b) To create forms
(c) To store CSS (d) To upload files
- CO:5 9. Recall the full form of JSX in React development.
K:1
- (a) JavaScript XML (b) Java Syntax Xpress
(c) JSON Syntax (d) Java Style Extra
- CO:5 10. Recall the primary benefit of using the Virtual DOM.
K:1
- (a) Faster updates (b) Hosting
(c) Data storage (d) Printing

PART - B (5 X 5 = 25 Marks)

Answer ALL Questions choosing either (a) or (b).

Answer should not exceed 250 words.

- CO:1 11. (a) Examine the default grid system in Bootstrap. Provide
K:3 suitable examples to support your explanation.

(OR)

- (b) Construct a basic HTML template that uses Bootstrap. Explain the main parts of the template.

- CO:2 12. (a) List the different types of lists supported in Bootstrap.
K:3 Explain each type briefly.

(OR)

- (b) Describe how Bootstrap styles and manages tables in web pages.

- CO:3 13. (a) What are labels and alerts in Bootstrap? List the different
K:3 types and their uses.

(OR)

- (b) Describe the concept of button groups in Bootstrap and how they are used.

- CO:4 14. (a) What is LESS in Bootstrap? How can it be used to customize Bootstrap styles?

K:4

(OR)

- (b) Analyze how to create a Bootstrap project by using the source files from GitHub.

CO:5 15. (a) Develop and explain a simple "Hello, World" React application using Create React App and JSX.

K:4

(OR)

- (b) Utilize the Virtual DOM in React. How does it differ from the real DOM?

PART - C (5 X 8 = 40 Marks)

Answer ALL Questions choosing either (a) or (b).

Answer should not exceed 500 words.

CO:1 16. (a) Differentiate between .container and .container-fluid classes in Bootstrap with examples.

K:3

(OR)

- (b) Makeup how to offset and nest columns in Bootstrap. with examples.

CO:2 17. (a) Explain Bootstrap typography. Give examples of how it is used in web design.

K:4

(OR)

- (b) Describe the different form controls supported by Bootstrap. Provide examples for each type.

CO:3 18. (a) Explain how dropdown menus are created using Bootstrap. Include examples in your answer.

K:4

(OR)

- (b) Explain the purpose and customization options of navigation lists in Bootstrap.

CO:4 19. (a) Discuss the importance of Photoshop templates and themes in designing Bootstrap websites.

K:3

(OR)

- (b) Explain Bootstrap's JavaScript plugins and provide examples of their use.

CO:5 20. (a) What is React? Describe its main features and advantages.

K:3

(OR)

(b) Explain how Boolean attributes and camelCase syntax are used in JSX.