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**Total No. of Pages : 02**

**Total No. of Questions : 09**

**B.Voc. (WT&M) (Sem.-3)  
WEB APPLICATIONS  
Subject Code : BVWM303-19  
M.Code : 78641  
Date of Examination : 15-06-2024**

**Time : 3 Hrs.**

**Max. Marks : 60**

**INSTRUCTIONS TO CANDIDATES :**

1. **SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.**
2. **SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.**
3. **SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.**

**SECTION-A**

**1. Write briefly :**

- a. What steps should be taken to ensure the quality and integrity of imported audio/video files?
- b. How do you optimize audio-video content for different platforms and devices?
- c. What is a Flash file, and how does it differ from other multimedia formats commonly used on websites?
- d. What are arithmetic operators available in javascript?
- e. Differentiate between break and continue.
- f. Explain the usage of the indexOf() and lastIndexOf() methods in JavaScript strings.
- g. What is the difference between local and global variables in the context of user-defined functions?
- h. How do advanced techniques like lazy loading and image optimization improve website performance?
- i. What is the purpose of the code view in web development software, and how does it differ from visual or design views?
- j. Explain the purpose and usage of the "pattern" attribute in HTML forms, and how it contributes to client-side form validation?

## **SECTION-B**

2. How can you customize the appearance and playback options of an embedded video? Can embedded video files be played on any device or browser?
3. How does the choice of video codec or format impact the process of splitting and joining movie clips? Can you describe a scenario where splitting and joining movie clips is particularly useful in video production or editing?
4. How can you trim whitespace from the beginning and end of a string in JavaScript? Provide a code example.
5. Explain the syntax of defining a function in JavaScript. What are the benefits of using user-defined functions in JavaScript?
6. What role do placeholders or editable regions play in dynamic web templates, and how are they utilized in practice?

## **SECTION-C**

7. What are the essential steps involved in publishing a website? How important is Search Engine Optimization (SEO) for a newly published website, and what strategies can be implemented to improve visibility?
8. What is event handling in JavaScript, and explain the difference between inline event handling and using event listeners to handle events in JavaScript?
9. What are the key differences between basic HTML forms and advanced forms, and why might developers choose to implement advanced forms?

**NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.**