

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

**MCA (Sem.-4)**  
**ADVANCED WEB TECHNOLOGIES**

Subject Code : PGCA1958

M.Code : 91856

Date of Examination : 13-05-2024

Time : 3 Hrs.

Max. Marks : 70

**INSTRUCTIONS TO CANDIDATES :**

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION - B & C have FOUR questions each.
3. Attempt any FIVE questions from SECTION B & C carrying TEN marks each.
4. Select atleast TWO questions from SECTION - B & C.

**SECTION-A**

**1. Answer the following questions briefly :**

- i) What is server side scripting?
- ii) How arrays are used in PHP?
- iii) Why we use cookies?
- iv) What is CMS?
- v) Write a short note on NPM.
- vi) What are regular expressions?
- vii) What are advantages of AJAX?
- viii) What are the disadvantages of using xml?
- ix) What is a breadcrumb in Bootstrap?
- x) What are the component of API?

## SECTION-B

2. What are the various constants predefined in PHP? What is the use of the constant() function in PHP?
3. **Differentiate between following using example :**
  - i) FLOAT and DOUBLE
  - ii) CHAR\_LENGTH and LENGTH.
4. How sessions are maintained in PHP? Also, highlight the importance of cookies.
5. What are the various types of CMS? Discuss alongwith its usage and benefits.

## SECTION-C

6. Discuss various components of Bootstrap in detail.
7. How XML is different from HTML? What is XML DOM?
8. How is jQuery different from other Javascript frameworks? List down any four features of jQuery.
9. What is the difference between synchronous and asynchronous requests in AJAX? Explain with an example.

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