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B.C.A (Semester-V)
EXAMINATION NOVEMBER 2022
Web Technology

[Duration : 2 Hours]

[Total Marks : 60]

Instructions:

- 1) All questions are compulsory.
- 2) Figures to the right indicate full marks.

- Q.1** **A. Define the following** (5×1=05)
- I. MIME
 - II. JSON
 - III. DOM
 - IV. MVC
 - V. DNS
- B. Write only one difference between the following.** (5×1=05)
- I. Local variables v/s global variables in JavaScript
 - II. Session v/s cookies
 - III. HTTP v/s HTTPs protocol
 - IV. XML v/s HTML
 - V. GET v/s POST method used in form submission
- Q.2** **A. Compare DTD with XML Schema.** (02)
B. State any two uses of JSON. Explain JSON.parse(). (03)
C. With the help of a suitable example, explain well-formed XML document. (05)
- Q.3** **A. Write any two features of client server paradigm.** (02)
B. Explain the different types of arrays in PHP. (03)
C. With a suitable diagram explain MVC architecture in detail. (05)
- Q.4** **A. List any four 2D transformation methods used in CSS.** (02)
B. Explain alert, confirm and prompt dialog boxes used in JavaScript (03)
C. With a suitable example of your choice, explain the steps involved in retrieving data from the MYSQL database table using PHP. (05)
- Q.5** **A. Write a note on hierarchical name space.** (02)
B. Explain the use of prepared statements in PHP. (03)
C. Given a user registration form with username, password, retype password, mobileno fields, explain with a suitable JavaScript code the client site validations that can be performed before submitting the form data. (05)

Q.6

- A. List any four background properties used in CSS.
B. With a suitable example, explain for each loop used in PHP.
C. Explain Cryptography. Write in detail symmetric and asymmetric key encryption.

(02)

(03)

(05)