

H

Roll No.

TBC-501

B. C. A. (FIFTH SEMESTER)

END SEMESTER

EXAMINATION, Jan., 2023

WEB DEVELOPMENT

Time : Three Hours

Maximum Marks : 100

Note : (i) All questions are compulsory.

(ii) Answer any *two* sub-questions among
(a), (b) and (c) in each main question.

(iii) Total marks in each main question are
twenty.

(iv) Each sub-question carries 10 marks.

1. (a) What is servlet ? Explain the life cycle of
servlet. What is the advantage over CGI ?

(CO1)

P. T. O.

(2)

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- (b) Write short notes of following : (CO1)
- (i) Web server vs. application Server
 - (ii) Action Tag in JSP
 - (iii) ServletConfig
- (c) Explain the servlet API briefly. (CO1)
2. (a) What is the JSP ? What is the advantage of jsp over servlet ? Explain the life cycle method of JSP. (CO2)
- (b) Explain implicit object.in JSP ? Define all of them. (CO2)
- (c) How Data is shared between JSP Page. Explain with example ? (CO2)
3. (a) What is XML ? Explain Document Object Model (DOM) of XML with suitable example. (CO3)
- (b) What is xml schema ? Creates an xml document to describe the student information. Description should include the student name, father name address, DOB, Mobile No., email and validate it with xml schema. (CO3)

(3)

- (c) What is AJAX how it is works ? Explain XMLHttpRequest Object with suitable example. (CO3)
4. (a) What is PHP ? Explain require () and include () method with suitable example.
- (b) Explain of the following : (CO4)
- (i) Session in PHP
 - (ii) \$_REQUEST()
 - (iii) Associative Array
- (c) Explain file handling function with suitable example in PHP. (CO4)
5. (a) What is CRUD ? Explain its operation briefly. (CO5)
- (b) Design a login module and perform change password and forgot password operation on it. (CO5)
- (c) Design a registration form student and calculate the age as per the given DOB. (CO5)

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