

**R20****Code No: 873AB****JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****MCA III Semester Examinations, March/April - 2022****WEB TECHNOLOGIES****Time: 3 Hours****Max.Marks:75****Answer any five questions****All questions carry equal marks**

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- 1.a) Explain the different control structures used in PHP.
- b) Write a PHP script for searching a website URL for a keyword or sentence. [7+8]
- 2.a) Explain database connectivity in PHP with reference to MYSQL.
- b) Write a PHP code to open and read content of the file. [8+7]
- 3.a) Create an XML schema for employee details.
- b) How to embed an image in the web page. Discuss any five attributes used in <img> tag. [7+8]
- 4.a) Create a Quiz form using HTML tags. The sample output is as follows HTML stands for
  - HighText Machine Language
  - HyperText and links Markup Language
  - HyperText Markup Language
  - None of these
- b) What is XML Schema? State its purpose and list its advantages over DTD. [8+7]
- 5.a) Describe the servlet architecture and the interfaces invoked by the servlet container.
- b) Demonstrate the use of cookies in servlets with an example. [7+8]
- 6.a) Write a servlet program to retrieve data from the database.
- b) Develop a servlet that handles an HTTP GET request. [7+8]
7. Explain in detail of how to use Java Beans in JSP pages with suitable example. [15]
- 8.a) How is Client side Java Script different from Server side Java Script?
- b) Write a Java Script for sorting the elements of an array using functions? [7+8]

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