

M.Sc. - II (Computer Science) (NEP Pattern) Semester-IV
04MSCCS02 - Paper-II : Advanced Web Development Using PHP

P. Pages : 2

Time : Three Hours



GUG/S/25/16333

Max. Marks : 80

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- Notes :
1. All the questions are compulsory and carry equal marks.
 2. Draw neat and labelled diagrams wherever necessary.
 3. Avoid vague answers and write specific answer related to question.

Either :

1. a) Explain the role of PHP in dynamic web development. 8
- b) What are the different types of operators in PHP? Explain Arithmetic operators with example. 8

OR

- c) Demonstrate switch statement in PHP. 8
- d) What is the use of \$_Session and \$_Cookie in PHP? Explain with example. 8

Either :

2. a) What is a Database? Explain its importance in managing Data. 8
- b) Explain the features and advantages of MySQL as a database management system. 8

OR

- c) Differentiate between Primary key and foreign key. 8
- d) Explain Indexing in MySQL. 8

Either :

3. a) What are the advantages and disadvantages of using cookies in web applications. 8
- b) How can you restrict file types and file size while uploading? 8

OR

- c) Explain the use of feof() (end-of-file) function in PHP with example. 8
- d) Write a PHP class Car with properties “brand”, “model” and “year”. Include a constructor and a method to display the car details. 8

Either :

4. a) How can you use the GRANT and REVOKE commands to manage user privileges in MySQL? 8

- b) Differentiate between Session-based authentication and token-based authentication. **8**

OR

- c) Describe the use of user roles and permissions in access control. **8**

- d) Explain the use of custom authentication with example. **8**

5. Solve all the questions.

- a) What is string function in PHP? Explain functions like strlen(), substr(), strpos() and str_replace() in brief. **4**

- b) Explain how to update existing records in MySQL. **4**

- c) Define a class and explain how to create an object in PHP. **4**

- d) What is Apache authentication? **4**
