

**DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/MANAGEMENT/
COMMERCIAL PRACTICE, APRIL - 2023**

ADVANCED WEB DEVELOPMENT

[Maximum marks: 75]

(Time: 3 Hours)

PART A

I. Answer all the following questions in one word or one sentence. Each question carries 1 mark

(9 x 1 = 9 Marks)

| | | Module outcome | Cognitive level |
|---|---|----------------|-----------------|
| 1 | Show the basic syntax of PHP | M1.01 | R |
| 2 | Tell the single line comments in PHP | M1.01 | R |
| 3 |method is used to destroy a session in PHP. | M2.04 | R |
| 4 | Tell the syntax of mktime() in PHP | M2.03 | R |
| 5 | List any web applications that uses AJAX | M3.01 | R |
| 6 |method cancels the current request in XML Http Request | M3.03 | R |
| 7 | List two container classes in Bootstrap. | M4.02 | R |
| 8 | Tell two types of select list in Bootstrap 3. | M4.07 | R |
| 9 |class adds rounded corners to an image. | M4.08 | R |

PART B

II. Answer any eight questions from the following. Each question carries 3 marks.

(8 x 3 = 24 Marks)

| | | Module outcome | Cognitive level |
|----|--|----------------|-----------------|
| 1 | Outline the different operators in PHP | M1.03 | R |
| 2 | Outline if....elseif...else Statement in PHP | M1.04 | U |
| 3 | Define \$_SERVER in PHP | M2.01 | U |
| 4 | Illustrate to display week day of current system date. | M2.03 | A |
| 5 | Demonstrate the use of session_start(),session_unset()and session_destroy(). | M2.04 | U |
| 6 | Illustrate open() method in XMLHttpRequest | M3.03 | U |
| 7 | List the need for jQuery. | M3.06 | R |
| 8 | Interpret jQuery syntax | M3.08 | U |
| 9 | List the name of any tree classes used for multi column layouts in Bootstrap 3 | M4.04 | R |
| 10 | Summarize Carousel in Bootstrap 3. | M4.06 | U |

PART C

Answer all questions. Each question carries seven marks

(6 x 7 = 42 Marks)

| | | Module outcome | Cognitive level |
|------|--|-----------------------|------------------------|
| III | Summarize for and for each loops in PHP. OR | M1.05 | U |
| IV | Illustrate arrays in PHP | M1.06 | U |
| V | Demonstrate \$_GET, \$_POST and \$_ENV OR | M2.01 | U |
| VI | Summarize cookies in PHP. | M2.05 | U |
| VII | Construct a web page to modify one record in MySQL table STUDENT with fields Register number, Name and Semester OR | M2.08 | A |
| VIII | Develop a web page to display the details of students in STUDENT table into HTML table. | M2.09 | A |
| IX | (a) Define AJAX (2 marks) (b) List the need and application areas of AJAX (5marks) OR | M3.01 | R |
| X | List the comparison between http and XMLHttpRequest | M3.02 | R |
| XI | Explain fading effects in jQuery. OR | M3.09 | U |
| XII | Summarize jQuery animations. | M3.10 | U |
| XIII | Illustrate navigation in Bootstrap 3 OR | M4.05 | U |
| XIV | Summarize forms in Bootstrap 3. | M4.07 | U |
