

This question paper contains 4 printed pages]

Roll No.

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S. No. of Question Paper : 5427

Unique Paper Code : 234652

D

Name of the Paper : Internet Technologies—2

Name of the Course : B.A. (Prog.)

Semester : VI

Duration : 3 Hours

Maximum Marks : 45

(Write your Roll No. on the top immediately on receipt of this question paper.)

Section A is compulsory.

Attempt any *three* questions from Section B.

Section A

1. (a) List any *four* features of PHP. 2
- (b) How do we create a reference variable in PHP ? Give a suitable example. 2
- (c) Which PHP command is used to connect to a database ? Explain with an example. 3
- (d) Explain the following terms : 4
 - (i) Web Server
 - (ii) IP Address.

P.T.O.

(e) What is the output of :

4.

(i) <?php

```
$NoOfVisits =3;
```

```
print($NoOfVisits++);
```

```
print("<BR>\n");
```

```
print(++$NoOfVisits);
```

```
print("<BR>\n");
```

```
?>
```

(ii) <?php

```
$fname="George";
```

```
$lname=&$fname;
```

```
$lname=$lname . "Bush";
```

```
Print($fname);
```

```
Print($lname);
```

```
?>
```

Section B

2. (a) List any *four* characteristics of MySQL database. 4
- (b) Write short notes on (any *two*) : 6
- (i) Search Engines
- (ii) Web Hosting
- (iii) World Wide Web.
3. (a) What is recursion ? When do we use recursion in our program ? 4
- (b) Write a program to find the factorial of a number using recursion. 6
4. (a) Create an HTML form that accepts phone number in a text box. Write a PHP script that checks whether the entered phone number is a valid 10 digit number or not. Display an error message if invalid phone number is entered. 6
- (b) Define recursion. Give an example of recursive function. 4
5. (a) What is the difference between "While" and "Do-While" statement ? 4
- (b) Write a program to find the sum of series : 6

$$\frac{1}{3} + \frac{1}{5} + \frac{1}{7} + \dots + \frac{1}{21}$$

6. (a) Write short notes on (any two) : 6
- (i) Web Hosting
 - (ii) World Wide Web
 - (iii) HTTP.
- (b) Write a PHP script to compute the sum of even numbers between 1 and 100. 4