

306/336-B**B.C.A. (Part-III) EXAMINATION - 2022**

(Faculty of Science)

(Three-Year Scheme of 10+2+3 Pattern)

**ADVANCE TECHNOLOGY OF PROGRAMMING THROUGH
PHP**

Time Allowed : Three Hours

Maximum Marks : 100

Answer of all the questions (short answer as well as descriptive) are to be given in the main answer-book only. Answers of short answer type questions must be given in sequential order. Similarly all the parts of one question of descriptive part should be answered at one place in the answer-book. One complete question should not be answered at different places in the answer-book.

Write your roll number on question paper before start writing answers of questions.

Question paper consists of three Parts.

All three parts are compulsory.

PART-I : (Very Short Answer) consists 10 questions of 2 marks each. Maximum limit for each question is upto 40 words.

PART-II : (Short Answer) consists 5 questions of 4 marks each. Maximum limit for each question is upto 80 words.

PART-III : (Long Answer) consists 5 questions of 12 marks each with internal choice.

PART - I

1. Attempt all questions. 10x2=20
- (a) What does scripting language mean in programming ?
 - (b) What are the rules for naming a PHP variable ?
 - (c) What is the purpose of break and continue statement ?
 - (d) Write in brief about foreach() statement with syntax.
 - (e) What is the difference between single quoted string and double quoted string ?
 - (f) Write the use of str_split() function with syntax.
 - (g) What do you mean by dynamic website ?
 - (h) What do you mean by exception handling ?
 - (i) Which function you use to read a file ? Write its syntax also.
 - (j) How can you connect the webpage with database ?

PART - II

2. Differentiate between client-side and server-side scripting. 4
3. What is the meaning of the associative array ? Explain with a suitable example. 4
4. What are the uses of explode() and implode() functions ? Explain with an example. 4
5. Write the difference between Get() and Post() function. 4
6. Using an appropriate example, demonstrate how to use fread(), fgets(), and fgetc() in a file. 4

PART - III

7. Describe the various types of operators available in PHP.

12

OR

Write short note on :

(6+6)=12

~~(a)~~ Features of PHP

~~(b)~~ Data types in PHP

- ~~8.~~ What is an array ? Describe the types of array available in PHP.

(2+10)=12

OR

Write a program in PHP to find the given number is Prime or not.

12

9. Differentiate between Call by Value and Call by Reference function in PHP.

(6+6)=12

OR

~~Explain~~ any six string handling library function with example.

(6x2)=12

10. What is session ? Why do we use it ? Where does PHP store session data ? Through an example describe how to maintain session on website.

(1+2+2+7)=12

OR

What is exception ? Why do we handle exception ? Explain about it through an example. (2+2+8)=12

11. How can you perform open, read, write, close operations on file in PHP ? Explain with suitable example.

(4+8)=12

OR

Write a program in PHP to store and access the data using database.

12

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B.C.A. (Part-III) Examination, 2017

[Time: Three Hours]

[Maximum Marks: 100]

Part – I

1. a) What do you mean by server side programming?
b) Is there any limit on how large a PHP integer value can be?
c) What is the syntax of for loop in PHP? Write the syntax with its explanation.
d) How can we define an array in PHP? Write the syntax to define and initialize an array elements.
e) Explain the use of substr() function in PHP.
f) What is the use of function in PHP? How can we define a function in PHP?
g) What is the use of \$ - GET & \$ - POST variables in PHP?
h) What is the difference between include() and require() function?
i) What is the use of unlink() function in file handling in PHP?
j) Differentiate between DDL and DML.

Part – II

2. Explain various data types supported by PHP.
3. Write various control flow statements used in PHP.
4. Write the advantages to use or create user defined functions in PHP. Also write the code to define a function and calling a function in PHP.
5. What are the different methods to pass data for a form submission?
6. Explain the time complexity of bubble sort algorithm.

Part – III

7. Explain various basic features of PHP.

OR

**Explain various operators supported by PHP environment.
Support your answer with proper syntax.**

- 8. Explain various looping constructs used in PHP. Write a PHP code to print the Fibonacci series in PHP.**

OR

Write a PHP program code to sort an array of 10 elements in ascending order using PHP.

- 9. Write short notes on following string functions :**

a) ltrim() b) strtolower() c) strcmp()
d) explode() e) strrev() f) substr()

OR

Write a PHP code to create the following functions:

- a) Write a PHP function to calculate the factorial of a given number using parameter passing method.
b) Write a PHP function to concatenate two strings.

- 10. What is exception? How we can handle exceptions in PHP?
Write a PHP code to explain exception handling.**

OR

What is cookies? How can we manage the cookies in PHP? How we can create, modify and delete the cookies? Write the PHP code for the same. <https://www.uoronline.com>

- 11. How can we manage the insert and update operations in MY SQL database. Write a PHP program code to perform these operations with a database.**

OR

Write a program code with PHP to create a data entry form and store the data onto a database with proper fields.