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(2033)

UG (CBCS) IInd Year Annual Examination

3147

B.A. COMPUTER APPLICATION

(PHP Programming)

(SEC-I)

(Common with B.Sc. Physical Science)

Paper : COMP203-TH

Time : 3 Hours]   [Maximum Marks : 70

Note :– Attempt *five* questions in all, selecting one question from each Part–B, C, D and E. Question No. **1** (Part–A) is compulsory.

Part–A

1. Multiple Choice Questions :

(i) Variable name in PHP starts with :

    (a)   ! (Exclamation)

    (b) $ (Dollar)

(c)   & (Ampersand)

(d)   # (Hash)

(ii)   Which of the following is not a variable scope in PHP ?

(a)   Extern

(b)   Local

(c)   Static

(d)   Global

(iii)   Which of the following functions in PHP returns the time of sunrise of a particular day and location ?

(a)   date_sunrise()

(b)   date-sunrise()

(c)   sunrise()

(d)   None of these

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(iv) Which of the following is used for concatenation in PHP ?

    (a) + (plus)

    (b) * (Asterisk)

    (c) . (dot)

    (d) append()

(v) Which of the following is the correct way to create a function in PHP ?

    (a) Create myFunction()

    (b) New_function myFunction()

    (c) function myFunction()

    (d) None of these

(vi) What is the use of sprintf() function in PHP ?

    (a) The sprintf() function is used to print the output of program

    (b) The sprintf() function is used to send output to variable

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(c) Both of these

(d) None of these

(vii) Which of the following is used to end a statement in PHP ?

(a) . (dot)

(b) ; (semicolon)

(c) ! (exclamation)

(d) / (slash)

(viii) Which of the following is the correct way to create an array in PHP ?

(a) $season = array["summer", "winter", "spring", "autumn"];

(b) $season = array("summer", "winter", "spring", "autumn");

(c) $season = "summer", "winter", "spring", "autumn";

(d) All of these

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(ix) Which of the following is the default file extension of PHP ?

    (a) .php

    (b) .hphp

    (c) .xml

    (d) .html

(x) Which of the following is not a variable scope in PHP ?

    (a) Extern

    (b) Local

    (c) Static

    (d) Global $1 \times 10 = 10$

Part–B

2. (a) Explain various data types available in PHP.

(b) What are the different ways to write a php code ?   15

CA–347   (5)

(a) Why we use PHP ? Discuss the types of the of operator in PHP.

(b) Discuss about the scope of variable in PHP. Explain with the help of suitable example.   15

Part–C

Create an HTML form using name and email field with submit button and process it using the get and post method of Php script.   15

Or

(a) Discuss the various looping statements in PHP with examples.

(b) Create a script using a for loop to add all the integers between 0 and 30 and display the sum. 10,5

Part–D

(a) What are the different ways of calling a function in PHP ? How call by value is different from call by reference ?

(b) Write a PHP program to check if a person is eligible to vote.   9,6

7. (a) What is an array and associative array ? Write a program to create an associative array.

   (b) What are default PHP argument function ?

   (c) Discuss the need of Function.   7,4,4

Part–E

8. (a) What are the different ways of creating Sting in php ? Discuss the different functions for string manipulation.

   (b) Write a PHP script to convert lowercase string to uppercase.   10,5

Or

9. Explain briefly the following :

   (a) Regular expression

   (b) Regular expression functions

   (c) Regular Expression patterns   15

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UG (CBCS) Ist Year Annual Examination

3028

B.A. COMPUTER APPLICATION

(Problem Solving Using Computer)

(Core)

(Common with B.Sc. Physical Science)

Paper : COMP101 TH

Time : 3 Hours] [Maximum Marks : 50

Note :– Attempt *five* questions in all, selecting one question from each Unit. Question number **1** is compulsory. All questions carry equal marks.

1. (a) What is the difference between primary and secondary memory ?

   (b) What is the difference between syntax and semantic errors ?

   (c) What is control unit of a computer system ?

(d) What are the different symbols used in flow chart ?

(e) What is register ?

(f) Discuss the << (Shift left) operator in Python using an example.

(g) Can we refer the elements of dictionary' using index ? Discuss.

(h) Differentiate between / and // operators.

(i) How is an item removed from a dictionary ? Discuss.

(j) List the logical operators in Python.

Unit–I

. (a) Discuss the characteristic features of fourth generation of computers.

(b) What are the operations performed by ALU ? Explain.

. (a) What is the difference between impact and non-impact printers ? Discuss.

(b) Write a note on characteristic features of a computer ?

Unit–II

4. (a) What do you understand by limited entry and extended entry decision tables ? Discuss using suitable example.

   (b) What is algorithm ? What are its characteristic features ? Discuss.

5. (a) What do you understand by top-down and bottom-up programming ? Illustrate.

   (b) What do you understand by single entry and single exit constructs ? Explain.

Unit–III

6. (a) Differentiate between break and continue statements using suitable examples.

   (b) Explain the use of for loop for each item in a list using an example.

7. (a) Write a program in Python to read three numbers and print the largest of these three. Also illustrate input and print function.

   (b) What are the relational operators available in Python ? Discuss.

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Unit–IV

8. (a) What is list in Python ? How is it different from tuple ? How are the elements of list accessed ? Discuss.

   (b) How is the function defined in Python ? Explain the use of default argument also.

9. (a) What do you understand by class and objects ? Illustrate the use of pass in a class.

   (b) What do you understand by inheritance ? How is it implemented in Python ? Discuss.