1. What is PHP? (4 points)

PHP is the most popular server-side programming language, which is use for developing websites and web applications. It can manage database.

1. How can you embed a PHP code in html page? (4 points)

It is very easy to embed PHP code in HTML page. The place, where you need php code in html, start php tag and closing tag, <?php ------code-----?> put your php code inside this tag. The code wrapped between these two tags is considered as php code.

1. What are the different types of PHP variables? (4 points)

Variables are just name or character, used for storing data. Variables follow the data types, which indicate that what kind of information variable contain.

For example: - int num= 2

Here “int” is integer datatype, “num” is variable and number “2” is data, which store in variable.

1. How could you configure your computer to be a web server that runs PHP code? (4 points)

There are various web servers, which run php code such as WAMP, XAMP, MYSQL.

Step1: install any of web server in your computer run it.

Step2: Go to web browser and enter “localhost” into address bar.

Step3. Search your file or code with php extension from your computer and put location on browser search bar. It will run your code.

Example: - localhost/text/

1. What Which function returns current date and time? (4 points)

In php date() function return date and time.

<?php

echo "Today is " . date("Y/m/d") . "<br>";

echo "The time is ". date("h:i:sa");

?>

1. What method should be used to send information from one page to another in PHP? (4 points)

To transfer data from one web page to another webpage we need Html form and using action="". Using $\_POST['field\_name'] we receive form data on another page in PHP if method is post in case of get method use $\_GET['field\_name'];.

1. What function is used to get the length of a string? (4 points)

Strlen() function is build in function in php used for find the length of string, which means it counts how many character in one string, includes alphabets, whitespaces and special characters. The same function used in c and c++ also.

1. What operator is used to concatenate two strings? (4 points)

The PHP concatenate operator (.) is used to combine two string values to create one string.

Example: echo $name." ".$lastName; // Outputs John Travolta

1. What sign is used to denote a variable in PHP? (4 points)

All variable in php start with ‘$’ dollar sign. The variable can be any alphabet, number, underscore (\_).

Example: $abc = 'Welcome';

$\_bc = 'Welcome';

1. What is the difference between front end and backend web development? (4 points)

To make a good website and web applications, both front-end and back-end coding is essential.

Front- end is user interface and back end is developer interface. HTML is work as front-end language shows forms, images, videos, and the whole web page we see on any website develop with html. Php, python, java and other language are work as back-end language. The things run on front page, like you put name and password accept and reject all happen through these back-end languages.

1. Make a HTML student form for college admission having certain requirements: (60 points)
   1. The mark of Mathematics should be greater or equal than 80%
   2. The mark of Physics should be greater or equal than 60%
   3. The English languages results should be greater than 75%
   4. Overall average should be greater or equal than 78
   5. Road map:
      1. The form will contain 3 input fields representing the courses and their corresponding marks
      2. There should be an action page to receive these data and conclude the average of the student
      3. Display a clear result of admission: Admitted or Refused