

[Time:2.30 Hrs]

[ Marks:75 ]

Please check whether you have got the right question paper.

- N.B:
1. All questions are compulsory.
  2. Figures to the right indicate full marks.
  3. Students answering in the regional language should refer in case of doubt to the main text of the paper in English.

Q1. Answer the Following: (Any 4) (20 marks)

- a) What do you understand by HTML tags? How many tags are required to create a web page in HTML5?
- b) Explain the various formatting tags in HTML5.
- c) Explain the various new tags introduced by HTML5 in Media Elements.
- d) What is the correct usage of the following HTML5 semantic elements?
- e) How many ways can a CSS be integrated as a web page?
- f) What benefits and demerits do External Style Sheets have?

Q2. Answer the Following: (Any 4) (20 marks)

- a) Define JavaScript. How is it used?
- b) Explain the difference between client side and server side JavaScript.
- c) Explain how virus threat from JavaScript is avoided?
- d) Write a JavaScript code to find greatest of three given numbers.
- e) Write the advantages and disadvantages of XML.
- f) Write a note on DTD in XML.

Q3. Answer the Following: (Any 4) (20 marks)

- a) Write a program to print "Hello PHP" using PHP variable?
- b) Explain in detail AJAX web application model with neat diagram.
- c) What are the effects methods used in jQuery?
- d) What is a PHP session? How to start a PHP session?
- e) Write a program to print "Welcome to the PHP World" using some part of the text in variable & some part directly in echo.
- f) Write a Program to display count, from 5 to 15 using PHP loop as given below.

Q4. Answer the Following: (Any 3)

(15 marks)

- a) What are the limitations of CSS?
- b) Explain what are the components of a CSS Style?
- c) Write a JavaScript code to print reverse of a number.
- d) Explain what is an object in JavaScript. Describe the date and math object with at least two properties each.
- e) Write a PHP program to check whether a number is positive, negative or zero.
- f) What is jQuery? How is it different from JavaScript?