

Roll No.....

Total No. of Printed Pages : 4

## **BCA-305**

**B.C.A. Third Year Examination, 2017**

**Paper-V**

**(Web Technology)**

**Time Allowed : Three Hours**

**Maximum Marks : 100**

**PART-A ( खण्ड-अ ) [Marks : 20**

**Answer all questions (50 words each).**

**All questions carry equal marks.**

सभी प्रश्न अनिवार्य हैं। प्रत्येक प्रश्न का उत्तर 50 शब्दों से अधिक न हो।

सभी प्रश्नों के अंक समान हैं।

**PART-B ( खण्ड-ब ) [Marks : 50**

**Answer five questions (250 words each), selecting one from each Unit. All questions carry equal marks.**

प्रत्येक इकाई से एक-एक प्रश्न चुनते हुए, कुल पाँच प्रश्न कीजिए। प्रत्येक प्रश्न का उत्तर 250 शब्दों से अधिक न हो।

सभी प्रश्नों के अंक समान हैं।

**BCA-305/AG/1890/80**

**P. T. O.**

**PART-C ( खण्ड-स ) [Marks : 30**

Answer any **two** questions (300 words each).

All questions carry equal marks.

कोई दो प्रश्न कीजिए। प्रत्येक प्रश्न का उत्तर 300 शब्दों से अधिक न हो।  
सभी प्रश्नों के अंक समान हैं।

**PART-A**

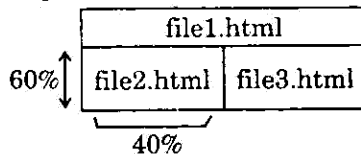
1. Answer the following questions :

- (i) Write various features of SMTP Protocol.
- (ii) Discuss the purpose of alert ( ) and prompt ( ) functions of Java script.
- (iii) What is CSS and its various types?
- (iv) Explain DOM hierarchy.
- (v) Define Web servers and its characteristics.
- (vi) List various E-Business models.
- (vii) Why cookies are used?
- (viii) Give schematic structure of XML tree?
- (ix) List various HTTP request methods.
- (x) Draw diagram of JSP Compilations?

## PART-B

### UNIT-I

2. Write a Java Script code to add 2 numbers entered by the user.
3. Write HTML code to create framed web page in the following format:



### UNIT-II

4. Briefly describe different types of selectors used in CSS.
5. Write a code to illustrate binding of data in DHTML?

### UNIT-III

6. Differentiate the following :
  - (a) GET method and POST method
  - (b) Client side scripting and server side scripting.
7. Explain different ways of electronic payment over Internet.

### UNIT-IV

8. What is session tracking? Discuss different Techniques of it.
9. What are advantages of servlets CGI?

## UNIT-V

10. What is the purpose of DTD in XML ?
11. What is JSP? Discuss various components of JSP?

## PART-C

12. Write HTML code to create table with following properties :
  - (a) Border thickness of 2.
  - (b) 4 rows and 3 columns where columns of last rows are merged into one.
  - (c) 1 header rows having column names as Roll No., Class and Name.
  - (d) All data of table is in Red color.
13. (i) How event handling takes place in HTML?  
(ii) What is the purpose of filters in DHTML?
14. Explain architecture of e-commerce in detail.
15. Why ADO are used in ASP to access data from the database. Illustrate necessary steps?
16. Write short notes on the following :
  - (a) Servlets
  - (b) JSP scripting elements.

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