UG0801

BCA-51T-103

5027

Three/Four Year B.C.A. I Semester
Examination - Dec. 2023

(Faculty of Science)

Subject – BCA

Web Application Development

Time Allowed: Three Hours
समय सीमाः तीन घंटे

Maximum Marks: 80
अधिकतम अंकः 80

No supplementary answer-book will be given to any candidate. The candidate should write the answers precisely in the main answer-book only.

किसी भी परीक्षार्थी को पूरक उत्तर–पुस्तिका नहीं दी जाएगी। परीक्षार्थियों को समस्त प्रश्नों के उत्तर मुख्य उत्तर–पुस्तिका में ही लिखने चाहिए।

Answers to short answer-type questions must be given in sequential order. Similarly, all the parts of one question of descriptive part should be answered in one place in the answer-book.

लघुत्तरात्मक प्रश्नों के उत्तर–प्रश्नों के क्रमानुसार ही देवें। इसी प्रकार किसी भी एक वर्णनात्मक प्रश्न के अन्तर्गत पूछे गए विभिन्न प्रश्नों के उत्तर, उत्तर–पुस्तिका में एक ही स्थान पर क्रमानुसार हल करने चाहिए।

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

प्रश्नों के उत्तर लिखने से पूर्व प्रश्न–पत्र पर रोल नम्बर अवश्य लिखिए।

Question paper consists of **two** parts **A** and **B**.

प्रश्न–पत्र में दो भाग अ और ब होंगे।

Part A: 20 marks भाग–अः 20 अंक

Part A is compulsory having 10 very short answer-type question (with a limit of 20 words) of two marks each. The first question is based on knowledge, understanding and applications of the topics/text covered in the syllabus.

भाग अ में दो अंक के 10 अति लघुउत्तरीय प्रश्न (20 शब्दों की सीमा के साथ) अनिवार्य है। पहला प्रश्न पाठयक्रम में शामिल विषयों/पाठ के ज्ञान, समझ और अनुप्रयोगों पर आधारित है।

Part B: 60 marks भाग–बः 60 अंक

Part B of the question paper is divided into four units comprising question numbers 2-5. There is one descriptive question from each unit with internal choice. Each question will carry 15 marks.

प्रश्न–पत्र का भाग ब प्रश्न संख्या 2–5 सहित चार इकाइयों में विभाजित है। प्रत्येक इकाई से आंतरिक विकल्प के साथ एक वर्णनात्मक प्रश्न है। प्रत्येक प्रश्न 15 अंक का है।

PART-A

Attempt all the questions. All questions of Part A are **compulsory.** [10×2=20]

1. Answer all the question as directed:

   (a) Why is firewall used?

   (b) Give four examples of a web browser.

   (c) Why is gopher used?

   (d) Define HTML.

   (e) Why is iframe used?

   (f) Write syntax and example of the HTML tag which is used to create hyperlink.

   (g) What is the use and syntax of the 'div' tag?

   (h) What is bootstrap?

   (i) What are cookies?

   (j) What do you understand by form validation in Java Script?

PART-B

Unit-1

2. (a) Discuss the basic services provided to the users by the internet. [5]

   (b) Discuss the elements of the web in detail. [5]

   (c) Differentiate between proxy server and web server. [5]

OR

   (a) What is the role of protocols in internet working? Explain the HTTP, SMTP and FTP protocols. [8]

   (b) Explain the architecture of web browser in detail. [7]

Unit-2

3. (a) Write HTML code to create the following table using HTML: [10]

	Average		Working
	Height	Weight	
Females	5.4	56	70%
Males	5.8	70	82%

   (b) Write steps to create a website. [5]

OR

Name and explain the following HTML tag with examples of each: [5×3=15]

   (a) Image tag

   (b) Paragraph tag

   (c) Form tag

   (d) Anchor tag

   (e) Heading tags

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Unit-3

4. What do you understand by CSS? What are the different types of CSS? Explain all with proper examples. [15]

OR

Write short notes on:

(a) CMS and Banks of CMS [5]

(b) Bootstrap [5]

(c) Styling borders [5]

Unit-4

5. (a) Differentiate between Client-Side scripting and Server-side scripting. [5]

(b) What are the types of pop-up boxes in Java Script? Explain the use and example of each. [5]

(c) Using for loop in Java Script calculate factorial of a number entered by the user in a text box. [5]

OR

(a) Explain with proper example all the loop statement available in Java Script. [10]

(b) Using Java Script code, write a program that prints the sum of first n natural number. [5]