

**B.C.A. (Part-II) Semester-IV (CBCS) Examination****4 BCA 2****WEB TECHNOLOGIES**

Time : Three Hours]

[Maximum Marks : 80]

- Note :**— (1) All questions are compulsory.  
 (2) Assume suitable data wherever necessary.  
 (3) Illustrate your answers with the help of neat sketches wherever necessary.

1. (A) Fill in the blanks :

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- (1) Javascript is scripting language used for \_\_\_\_\_ scripting.
- (2) The process of making a website accessible to user on the internet is called \_\_\_\_\_.
- (3) DNS stands for \_\_\_\_\_ .
- (4) The \_\_\_\_\_ attribute of the <img> tag provides alternative text for the image.
- (5) \_\_\_\_\_ attribute is used to add a value to an ordered list item in HTML.

(B) Choose correct alternative :

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- (1) Which of the following file extension is associated with cascading style sheets ?
 

(a) .html	(b) .css
(c) .js	(d) .php
- (2) What does a web browser do ?
 

(a) Create websites	(b) Hosts websites
(c) Displays websites to users	(d) Registers domain names
- (3) What is the correct way to declare a variable in JavaScript ?
 

(a) Variable myVar;	(b) var myVar;
(c) myVar = variable;	(d) myVar () ;
- (4) Which symbol is commonly used as a shortcut for the jQuery library ?
 

(a) \$	(b) #
(c) &	(d) *
- (5) What does FTP stand for ?
 

(a) File Transfer Protocol	(b) Fully Tested Protocol
(c) Flexible Transfer Protocol	(d) Fast Transmission Protocol

- (6) What is anchor text ?
- (a) The text that appear in the URL bar of a web browser
  - (b) The text used to link to another web page
  - (c) The text displayed in search engine results for a webpage
  - (d) The text used to link to another web page
- (7) What is an IP address ?
- (a) An identifier for a specific website page
  - (b) The markup language used to structure web pages.
  - (c) The address used to access a website on the internet
  - (d) A physical server where website files are stored
- (8) What does it mean to 'go live' with a website ?
- (a) To shutdown the website temporarily
  - (b) To launch the website and make it accessible to user on the internet.
  - (c) To delete the website permanently.
  - (d) To optimize the website for search engines.
- (9) What is the purpose of web hosting ?
- (a) To register domain names
  - (b) To design website layout
  - (c) To store website files and make them accessible on the internet.
  - (d) To optimize website performance
- (10) Which Search Engine has the largest market share globally as of recent statistics ?
- (a) Bing
  - (b) Yahoo
  - (c) Google
  - (d) DuckDuckGo

(C) Answer the following in **one** sentence :

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- (1) What is Search Engine ?
- (2) What are frames ?
- (3) What is the normal flow ?
- (4) What is website ?
- (5) What is URL ?

2. (A) What is web browser, and how does it function in accessing and displaying web content ? 4  
(B) Explain : 8  
    (1) Web Publisher  
    (2) Style Attribute.

**OR**

3. (A) Explain any two popular browser. 4  
(B) Explain anatomy of URL. 8  
4. (A) Describe the structure of web page. 8  
(B) How do you create hyperlink in HTML and what attributes are commonly used to specify the destination of the link ? 4

**OR**

5. (A) What is an unordered list in HTML and how is it defined ? Explain with example. 8  
(B) What are the purpose of using tables in web developing ? 4  
6. (A) Explain heading tag in HTML. 4  
(B) Describe how checkbox control are created and used in HTML form. 8

**OR**

7. (A) How can form control be created using the <input> tag in HTML ? 8  
(B) Explain <audio> tag with attributes in detail. 4  
8. (A) What HTML tag is used to embed JavaScript scripts in a page ? 4  
(B) How can images to be optimized for mobile web performance ? 8

**OR**

9. (A) Explain the special effect provided by jQuery in term of animating transitions on a web page. 4  
(B) Explain data types available in JavaScript. 8  
10. (A) How can you find out who is viewing your website ? 8  
(B) How to find out web hosting provider ? Explain. 4

**OR**

11. (A) How do Search Engines work ? Explain. 4  
(B) How to promote your web page ? Explain. 8