**Reg. No. : ........................................**

**Code No. : 30531 E**    **Sub. Code : JMCA52/ SMCA52**

B.C.A. (CBCS) DEGREE EXAMINATION, NOVEMBER 2020.

Fifth Semester

Computer Application – Main

WEB TECHNOLOGY

(For those who joined in July 2016 onwards)

Time : Three hours    Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1.    What is the full form of FTP?
      (a)    File Transfer Protocol
      (b)    File Transfer Program
      (c)    File Translation Process
      (d)    File Transfer Process

2. How many parts are there in a request line?

   (a)   1                    (b)   2

   (c)   3                    (d)   4

3. Which of the following styles is the most flexible styling?

   (a)   Multiple styles      (b)   Embedded styles

   (c)   In-line styles       (d)   External styles

4. Which of the following properties of the body tag prevents scrolling of a background image?

   (a)   back_ground = "still"

   (b)   back_ground = "fixed"

   (c)   back_ground = "stationary"

   (d)   bgproperties = "fixed"

5. Which of the following triggers an event automatically at regular intervals?

   (a)   Unload               (b)   Set Timeout

   (c)   Set Interval         (d)   Set Automatic

6. Which of the following is used to represent a sub expression?

   (a)   [and]                (b)   ( and )

   (c)   { and }              (d)   < and >

7. How is an empty XML element defined?

   (a)

   (b)

   (c) All of the above

   (d) None of the above

8. Which of the following is used to declare an element having only character data?

   (a) #CHAR          (b) #PCDATA

   (c) #TEXT          (d) #CDATA

9. Which of the following headers should be set by a CGI script?

   (a) Value-type      (b) Content

   (c) Content-type    (d) Return-type

10. The servelet initialization parameters are specified in the ———— deployment descriptor file as part of a servelet element.

   (a) web.xml         (b) web.doc

   (c) web.net         (d) web.txt

PART B — (5 × 5 = 25 marks)

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 250 words.

11. (a) Explain about the web architecture with suitable diagram.

Or

(b) Explain in detail about web servers and web browsers.

12. (a) What are elements, attributes and tags in HTML? Explain.

Or

(b) Explain about CSS and its page layout.

13. (a) Discuss about the various control structures in javascript.

Or

(b) How will you perform string anchoring in javascript?

14. (a) What is a namespace in XML and write the rules for namespacing?

Or

(b) What are the types of XML DTD? Explain.

15. (a) Write about the CGI security policies.

Or

(b) Give the differences between Generic Servlet and HTTP Servlet.

PART C — (5 × 8 = 40 marks)

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 600 words.

16. (a) Explain ion detail about TCP/IP protocol suite.

Or

(b) Write the message formats for HTTP with examples.

17. (a) What are forms in HTML and explain its elements?

Or

(b) Explain the following with examples.

(i) Grouping in CSS

(ii) Child Selectors in CSS

(iii) Universal Selectors in CSS

(iv) Descendant selectors in CSS

Page 5    **Code No. : 30531 E**

18. (a) What are operators in Java script and explain its types with suitable examples?

Or

(b) Explain the usage of JavaScript regular expressions.

19. (a) How will you declare elements in XML and explain its anatomy?

Or

(b) How will you declare attributes in XML DTD?

20. (a) What are the languages used for common gateway interface?

Or

(b) Explain about the following.

(i) Cookies in Servlet

(ii) Filters in Servlet.

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