

SECTION-A

खण्ड-अ

Marks : 50

Time : 1½ Hours

Candidates are required to first answer the Section-A (Multiple Choice Questions) by marking correct choice on OMR Sheet in prescribed time. All questions are compulsory and carry equal marks. There is no negative marking for wrong answers.

सर्वप्रथम खण्ड-अ के सभी वस्तुनिष्ठ प्रश्नों के उत्तर ओ.एम.आर. शीट में परीक्षार्थियों को निश्चित समय में देने हैं। सभी प्रश्न अनिवार्य एवं समान अंक के हैं। गलत उत्तर का ऋणात्मक मूल्यांकन नहीं किया जाएगा।

UNIT-I

1. A piece of text or image on a web page associated with another webpage is called
(A) url
(B) hyperlink
(C) plugin
(D) None of the mentioned
2. Which one of the following is used to generate dynamic web pages?
(A) PHP
(B) ASP.NET
(C) JSP
(D) All of the above
3. An alternative of javascript on windows platform is
(A) VBScript
(B) ASP.NET
(C) JSP
(D) None of the mentioned

4. JavaScript was originally called as
(A) Java web scripting
(B) LiveScript
(C) HTML Jscript
(D) None of these
5. The first page of a website is called
(A) Design page
(B) Home page
(C) First page
(D) Main page
6. What is the full form of HTML?
(A) Hyper text markup language
(B) Hyphenation text markup language
(C) Hyphenation test marking language
(D) Hyper text marking language

7. Latest version of HTML is
- (A) HTML 2.0
 - (B) HTML 4.0
 - (C) HTML 5.0
 - (D) HTML 3.0
8. JavaScript introduced by
- (A) Microsoft
 - (B) IBM
 - (C) Google
 - (D) Sun Microsystem
9. First name of JavaScript is
- (A) Oak
 - (B) Mocha
 - (C) JScript
 - (D) JSL
10. Using which tag we insert an JavaScript in HTML page?
- (A) `<javascript type="text/javascript"></javascript>`
 - (B) `<script type="text/javascript"></script>`
 - (C) `<jscript type="text/javascript"></jscript>`
 - (D) `<htmlscript type="text/javascript"></htmlscript>`

UNIT-II

11. Dynamic web page
- (A) is same every time whenever it displays
 - (B) generates on demand by a program or a request from browser
 - (C) Both A and B
 - (D) None of the mentioned
12. Which one is odd tag of HTML?
- (A) table
 - (B) tr
 - (C) td
 - (D) form
13. HTML page can be viewed in
- (A) Web Browser
 - (B) Internet Explorer
 - (C) Firefox
 - (D) Google Chrome
14. DHTML is not standard language for which company?
- (A) Oracle
 - (B) Microsoft
 - (C) Facebook
 - (D) W3Schools

15. How are frames loaded into browser window?
- (A) Top to bottom, left to right
 - (B) Bottom to top, left to right
 - (C) Top to bottom, right to left
 - (D) Bottom to top, right to left
16. Which of the following is not the attribute of input tag?
- (A) Text
 - (B) Name
 - (C) Size
 - (D) Maxlength
17. What is the main difference between HTML and DHTML?
- (A) Using DHTML we can use JavaScript and style sheets in our HTML page
 - (B) Using DHTML we can insert small animations and dynamic menus into our HTML page
 - (C) If use want that your web page display your DHTML effect than you have to save your web page with .dhtml extention except .html or .htm
 - (D) All the above
18. Choose the form in which postback occurs?
- (A) HTMLForms
 - (B) WebForms
 - (C) WinForms
 - (D) Forms
19. DHTML is a combination of
- (A) HTML tags and Javascript
 - (B) Javascript and DOM
 - (C) DOM, HTML and Javascript
 - (D) None of the above
20. The control is a large text box where the user can type multiple lines of text.
- (A) Text Area
 - (B) Large Text
 - (C) TextBox
 - (D) None of the above
- UNIT-III**
21. The process in which a Web Page sends data back to the same page on the server is
- (A) postback
 - (B) autopostback
 - (C) transfer
 - (D) return

22. Which one of the following is not a http method?
- (A) DoClear
 - (B) DoTrace
 - (C) DoGet
 - (D) DoPost
23. Which Web server works with the latest versions of Windows OS in ASP?
- (A) Apache
 - (B) WebLogic
 - (C) IIS
 - (D) PWS
24. IIS is
- (A) Web Server
 - (B) HTML Control
 - (C) Forms
 - (D) Table
25. Cookies are stored at
- (A) Server side
 - (B) Client side
 - (C) Both A and B
 - (D) None of the above
26. An alternate way of displaying text on Web Page is
- (A) label
 - (B) listitem
 - (C) button
 - (D) textbox
27. Which of the following is not supported for IIS?
- (A) Windows XP Professional
 - (B) Windows XP Home
 - (C) Windows 2003 Server
 - (D) Windows 2000 Server
28. A web application on the server side runs under the management of Microsoft Internet Information Services
- (A) Web Services
 - (B) Link Libraries
 - (C) Class Libraries
 - (D) None of the above
29. Which of the following is not an e-commerce model?
- (A) B2B
 - (B) G2C
 - (C) C2C
 - (D) B2G

30. The concept of electronic cash is to execute payment by

- (A) Credit Card
- (B) ATM Card
- (C) Using computers over the network
- (D) Cheque

UNIT-IV

31. What is document object model (DOM)?

- (A) convention for representing and interacting with objects in html documents
- (B) application programming interface
- (C) hierarchy of objects in ASP.NET
- (D) None of the mentioned

32. This method ensures that each XML element type and attribute name has a unique identity

- (A) namespace
- (B) fully-qualified domain name
- (C) Multiprotocol Label Switching
- (D) named pipe

33. This markup language is considered to be extensible because of its unlimited and self-defining markup symbols

- (A) HTML
- (B) XHTML
- (C) XML
- (D) W3C

34. This XML-based registry is intended as an online Internet registry for businesses worldwide

- (A) Universal Plug and Play
- (B) UDDI
- (C) Uniform Resource Locator
- (D) UDF

35. This XML extension is a standard way to describe how to transform the structure of an XML document into an XML document with a different structure

- (A) extract, transform, load
- (B) tree structure
- (C) XSLT
- (D) phase change

36. Full form of ADO is

- (A) ActiveX data Object
- (B) Aggregate data object
- (C) Action data object
- (D) Active data object

37. HTTP is

- (A) Hyper Text Transfer Protocol
- (B) Hyper Time Transfer Part
- (C) Hyper Text Transmit Protocol
- (D) Hover Time Transmit Part

38. A digital signature is
- (A) A scanned signature
 - (B) Encrypting information
 - (C) Signature in binary form
 - (D) Handwritten signature
39. The most popular way to materialize XML documents is to use
- (A) DTD
 - (B) XSLT
 - (C) HTML
 - (D) SOAP
40. To eliminate definition duplication, XML Schemas define
- (A) Intersection Table
 - (B) Global elements
 - (C) Normalized Definition Table
 - (D) None of the above

UNIT-V

41. What is the second generation of Web called?
- (A) New Web
 - (B) Emerging space
 - (C) Web 2.0
 - (D) Second life

42. AJAX stands for
- (A) asynchronous javascript and xml
 - (B) advanced JSP and xml
 - (C) asynchronous JSP and xml
 - (D) advanced javascript and xml
43. is an open source DBMS product that runs on UNIX, Linux and Windows.
- (A) MySQL
 - (B) JSP/SQL
 - (C) JDBC/SQL
 - (D) Sun ACCESS
44. A JSP is transformed into a(n) :
- (A) Java Applet
 - (B) Java Servlet
 - (C) Java
 - (D) None of the above
45. What programming language(s) or scripting language(s) does Java Server Pages (JSP) support?
- (A) VBScript only
 - (B) Jscript only
 - (C) Java only
 - (D) None of the above

46. What servlet processor was developed by Apache Foundation and Sun?
- (A) Apache Tomcat
 - (B) Apache WebServer
 - (C) SunServlet Processor
 - (D) None of the above
47. What is invoked via HTTP on the Web server computer when it responds to requests from a user's Web browser?
- (A) Java Application
 - (B) Java Applet
 - (C) Java Servlet
 - (D) None of the above
48. How many copies of a JSP page can be in memory at a time?
- (A) One
 - (B) Two
 - (C) Three
 - (D) Unlimited
49. How does Tomcat execute a JSP?
- (A) As a CGI script
 - (B) As an independent process
 - (C) By one of the Tomcat's thread
 - (D) None of the above
50. What is the full form of JSP?
- (A) Java Server Pages
 - (B) Java Servlet Pages
 - (C) Java String Protocol
 - (D) Java Server Protocol

SECTION-B

खण्ड-ब

Marks : 50

Time : 1½ Hours

After depositing OMR Sheet of Section-A with invigilator, the candidates are required to answer **one** question from each Unit (each question in **250** words) in a separate Answer-book provided to them. **All** questions carry equal marks.

खण्ड-अ की ओ.एम.आर. शीट पर्यवेक्षक को जमा कराने के पश्चात परीक्षार्थी खण्ड-ब की प्रत्येक इकाई से एक प्रश्न का उत्तर दी गई उत्तर-पुस्तिका में देंगे। प्रत्येक प्रश्न का उत्तर लगभग 250 शब्दों में दिया जाना है एवं सभी प्रश्नों के अंक समान हैं।

UNIT-I

1. What are the various attributes in-a HTML file? Explain by giving an example. Differentiate between HTML and SMTP.
2. How do you make an image clickable in HTML? Give an example. Differentiate between POP3 and IMAP.

UNIT-II

3. Write short notes on the following :
 - (a) DHTML
 - (b) Event Model.
4. What is Data Binding? How binding of an image and table can be performed? Explain by an example.

UNIT-III

5. Define E-commerce? What are the benefits of using e-commerce? Explain in brief the various types of E-commerce.

6. Write short notes on the following :

- (a) E-Cash
- (b) Electronic Cheques
- (c) Apache Web Server.

UNIT-IV

- 7. Define RDBMS and its utility in Web Technologies. Give an overview of SQL.
- 8. How database can be accessed from ASP? Also explain DOM methods.

UNIT-V

- 9. Define Servlets and its architecture. What is the use of GET and POST requests?
- 10. Write short notes on the following :
 - (a) JSP
 - (b) Web 2.0 Technologies.