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CODE NUMBER	165/1/3
SET NUMBER	3



## INDIAN SCHOOL MUSCAT PRE-BOARD EXAMINATION

### COMPUTER APPLICATIONS

Sub. Code: 165

CLASS: X  
09.12.2023

Time Allotted: 2 Hrs.  
Max .Marks: 50

#### General Instructions:

1. This Question Paper has 5 Sections A-E.
2. All Questions are compulsory. However, internal choices have been provided in some of the questions.
3. Section A has 12 questions carrying 01 mark each.
4. Section B has 7 Short Answer (SA-I) type questions carrying 02 marks each.
5. Section C has 4 Short Answer (SA-II) type questions carrying 03 marks each.
6. Section D has 1 Long Answer (LA) type question carrying 04 marks.
7. Section E has 2 Source based /Case-based /Passage based Questions carrying 04 marks each.

#### **SECTION – A**

(All questions are compulsory)

1. The acronym SSL stands for \_\_\_\_\_.
  - a. Safe Shell Layer
  - b. Software Shell Layer
  - c. Secure Socket Layer
  - d. Simple Shell Layer
2. Which of the following is an example of government website?
  - a. wikipedia.org
  - b. Facebook.com
  - c. cbse.gov.in
  - d. ncert.nic.in
3. **face** is an attribute of ..... tag.
  - a. <font>
  - b. <p>
  - c. <hr>
  - d. <br>
4. A \_\_\_\_\_ is an online journal or informational website run by an individual, group, or corporation that offers regularly updated content about a topic.
  - a. News group
  - b. Blog
  - c. WWW
  - d. e-Groups
5. Identify the type of link that links one section to another section of the web page.

- a. E-mail linking
  - b. Intra file linking
  - c. Inter file linking
  - d. None of the above
6. **src** is an attribute of \_\_\_\_\_ tag.
- a. <body>
  - b. <a>
  - c. <html>
  - d. <img>
7. The \_\_\_\_\_ attribute of <img> tag specifies an alternate text for an image, if the image cannot be displayed.
- a. alt
  - b. text
  - c. alternate
  - d. msg
8. Which of the following tags can be used to skip a line on the webpage?
- a. <skip>
  - b. <br>
  - c. <hr>
  - d. <h1>
9. In HTML, <dl>, <dd> and <dt> tags are used to create:
- a. Display list
  - b. Definition list
  - c. Detail list
  - d. Dynamic list
10. A software \_\_\_\_\_ is a legal instrument governing the use or redistribution of software.
- a. license
  - b. law
  - c. document
  - d. piracy

**Questions No-11 & 12 are Assertion and Reason types. Each question consists of two statements, namely, Assertion (A) and Reason (R). Select the most suitable option considering the Assertion & Reason.**

11.

Assertion (A): Search engine is a hardware device that searches for any websites on the World Wide Web.

Reason (R): Google Search and Microsoft's Bing are two popular search engines.

- (a) Both Assertion (A) and Reason (R) are true and Reason (R) is a correct explanation of Assertion (A).
- (b) Both Assertion (A) and Reason (R) are true but Reason (R) is not a correct explanation of Assertion (A).
- (c) Assertion (A) is true and Reason (R) is false.
- (d) Assertion (A) is false and Reason (R) is true.

12.

Assertion (A): CSS saves a lot of work. It can control the layout of multiple web pages all at once.

Reason (R): All the required style settings can be stored in an external stylesheet and a link to it can be added in the <head> section of each web page.

- (a) Both Assertion (A) and Reason (R) are true and Reason (R) is a correct explanation of Assertion (A).
- (b) Both Assertion (A) and Reason (R) are true but Reason (R) is not a correct explanation of Assertion (A).
- (c) Assertion (A) is true and Reason (R) is false.
- (d) Assertion (A) is false and Reason (R) is true.

### **SECTION –B**

**(2 marks each)**

13. Write any two points of comparison between HTTP and HTTPS.

14. What is e-Learning? Mention its two main advantages.

**OR**

Briefly discuss the role of e-governance in any country's growth and development.

15. Compare SMS and MMS mobile technologies on any two major points.

16. Which software are termed as open-source software? Name any two such software.

**OR**

What do you understand by the term Intellectual property right? Discuss briefly.

17. Write the structure of html program.

18. Twisha has got confused with a few tags and their attributes. Help her match the tag with correct attribute.

- |           |              |
|-----------|--------------|
| 1. <font> | i. align     |
| 2. <a>    | ii. size     |
| 3. <h1>   | iii. colspan |
| 4. <td>   | iv. href     |

**OR**

Mention any two attributes of <body> tag along with their purposes.

19. Write suitable html statements to display the following text on a webpage in appropriate subscript and superscript form:

- a. CO<sub>2</sub>
- b. X<sup>2</sup>

### **SECTION –C**

**(3 marks each)**

20. Raju, a web designer in a start-up company, wants to write paragraph in a webpage through <p> tag. Additionally, he wants to implement following styles on all the <p> tag of the same webpage at one go.

- Color-blue
- Background color-yellow
- border of the heading - 2px in red

He is not able to implement the above-mentioned additional styles of <p> tag through regular html code. Suggest a way out and also help him in writing the code for same.

21. Zaid, a web developer, wants to embed an audio named “**prayer.mp3**” in the web page. Help Zaid by writing its html code.

22. Write the difference between Hypertext and Hyperlink.

**OR**

Write HTML code to design the content of the web page in the form of lists as shown below:

iv.	Printer
v.	Mouse
vi.	Scanner

23. What do you understand by the term “Digital Divide”? Mention any two measures to overcome it.

### **SECTION –D**

**(4 marks)**

24. Customer Analytics firm needs to design a survey form as shown below:

Name:	<input type="text"/>
City:	<div> <div>New Delhi</div> <div>Chennai</div> <div>Hydrabad</div> </div>
Hobby:	<div> <div>Reading <input type="checkbox"/></div> <div>Writing <input type="checkbox"/></div> <div>Singing <input type="checkbox"/></div> <div>Dancing <input type="checkbox"/></div> </div>

Write the suitable HTML code to design it.

**OR**

Observe the screenshot of the given web page:

Popular Books in India	
You are Born to Blossom	Dr APJ Abdul Kalam
The Monk Who Sold His Ferrari	Robin Sharma
The Five Steps to Success	Yamamori Devendranath
Stay Hungry Stay Foolish	Rashmi Bansal

Write suitable HTML code to design it.

### **SECTION - E**

**(4 marks each)**

#### **Case Study -1**

25. Sanchay, has recently joined the Global Network company as a network trainee. Help Sanchay by suggesting the best suitable answers for the following issues which needs to

resolved:

- a. Company wants to engage employees in some online fun filled activities to strengthen their inter-personal skills. Suggest any two popular video conferencing software to be used for the same.
- b. Company wants employees to upgrade themselves by exploring internet about latest happenings in the networking field. Suggest any two suitable web browsers for the same.
- c. Sometimes few of the employee needs to remotely login to their office PC from their home. Suggest any one popular software and the protocol being used for the same.
- d. Company wants its employees to be safe while entering their login credentials and bank account details on the internet. Out of http and https, which protocols should be preferred and why?

### Case Study -2

26. Parminder recently celebrated his 14th birthday. On his birthday he got to know about Facebook. He learned how social networking sites help people to meet their friends and discuss things online. He also found out that he is now eligible to open a Facebook account. He creates his profile on Facebook and starts connecting with his friends. Within a few days, he befriends many people he knows and many people he does not know. After some time he starts getting negative comments on his posts. He also finds that his pictures are being shared online on objectionable websites.

Based on the given information, answer the questions given below.

Attempt any four questions

- a. Identify the type of cybercrime Parminder is a victim of.
- b. After hearing about his ordeal, the school decides to publish a set of moral principles that determines the appropriate behavior of students while using the internet. The school is referring to \_\_\_\_\_
- c. Write a safety measure to be taken by Parminder to avoid threats from unknown people in the future.
- d. Parminder decides to make a list of common safety precautions to be taken when online. Write any two points that Parminder should include in his list.
- e. Why are privacy settings so important in social networking sites?

