

PRE-BOARD EXAMINATION- 2022-2023  
SUBJECT : COMPUTER APPLICATIONS (165)  
CLASS: -X

Time: 2 Hrs

MM: 50

**General Instructions**

- This question paper consists five Sections A,B,C ,D and E
- Section – A contains 12 questions carrying 01 mark each.
- Section – B contains 07 very short questions carrying 02 marks each.
- Section – C contains 04 short carrying 03 marks each.
- Section – D contains 01 questions carrying 04 marks each.
- Section – E contains 02 Source based/Case-based/Passage based questions carry 04 marks each.

**SECTION A (ALL QUESTIONS ARE COMPULSORY)**

(1x12=12)

1. Which of the following is a software under copyright but available at no cost?  
a. **Freeware**    b. Free Software  
c. Closed Software    d. Proprietary Software
2. Which of the following is a container?  
a. <SELECT>    b. <BODY>  
c. <INPUT>    d. **Both (a) AND (b)**
3. Which attribute is NOT valid for the <body> tag?  
a. background    b. **color**  
c. link    d. bgcolor
4. \_\_\_\_\_ attribute is used to specify the location of an image file.  
a. alt    b. **src**    c. align    d. name
5. In HTML, which attribute is used to create a link that opens in a new window tab?  
a. src=""\_blank""    b. alt=""\_blank""    c. target=""\_self""    d. **target=""\_blank""**
6. While creating a Web document, which unit is used to express an image's height and width?  
a. Inches    b. Dots per inch    c. Centimeters    d. **Pixels**
7. Which is the correct way to comment out something in HTML?  
a. Using ## and #    b. **Using <!-- and -->**  
c. Using </-- and -/-->    d. Using <!-- and -!>
8. The default alignment of images, that are inserted in Web page, is:  
**a. left**    b. right    c. inline with text    d. middle
9. \_\_\_\_\_ is a software for which exclusive rights of modification in the source code remain with the owner.  
a. Free Open-Source Software    b. Freeware  
c. Open-Source Software    d. **Proprietary Software**
10. Choose among the following, which is the most common internet protocol.  
a. POP    b. SMTP    c. **TCP/IP**    d. FTP
11. Assertion (A): E-commerce companies require personal data to serve the stakeholders better.  
Reason (R) : In his process, privacy may get compromised.  
(a) A is true but R is false    (b) **Both A and R are true and R is correct explanation of A**  
(c) A is false but R is true    (d) Both A and R are true but R is not correct explanation of A

12. Assertion (A): Security is an essential part of any transaction that takes place over the Internet.  
Reason (R): Customers will maintain his/her faith in e-Commerce if its security is compromised.
- (a) A is true but R is false  
(b) Both A and R are true and R is correct explanation of A  
(c) **A is false but R is true**  
(d) Both A and R are true but R is not correct explanation of A

Section B  
ANSWER THE FOLLOWING QUESTIONS

(2X7=14)

13. Explain the <Option> tag of HTML forms. Mention its three attributes.
14. Write any two effects of digital divide,
15. What is a graphical web browser? Write any two popular GWBs.
16. Give any two violation of Intellectual Property Rights.
17. Give a suitable HTML code to show Internal Linking.  
OR  
Write the functions of mailto and name attributes of anchor tag in HTML.
18. Nisha wants to insert an image 'Eshop.jpg' into a webpage. Write the syntax of HTML tag she should use.  
The alternate text for the image should be 'E-Shopping Here'  
OR  
Amaya has to include a password field in her form. Help her by specifying the code.
19. What is the full form of (i) JPEG (ii) GIF  
OR  
Write an Html code to view the following line on a web page-  
**The < and > are used to create an HTML tag.**

Section C  
ANSWER THE FOLLOWING QUESTIONS

(3X4=12)

20. Write an inline CSS code to set the font of the heading element as 'Arial' and the text color to red.  
OR  
Define the following CSS attributes.  
(a) float (b) text-indent

21. (a) Write the code to embed audio in a web page.  
 (b) Write an HTML code to write the following text on a web page:  
**H<sub>2</sub>O is the formula for water.**
22. (a) Which attribute is used to change the colour of visited link and active link of a web page.  
 And also mention which tag is used for this.  
 (b) Write an HTML code to insert an image (abc.jpg) in the web page and link the image with another image (xyz.jpg).
23. Write about the Freedom of Information Act (FOIA)

Section D  
 ANSWER THE FOLLOWING QUESTIONS

(4X1=04)

24. Write the HTML code to design the web page as shown below, considering the specifications as given below. Students can write code for any 4 specifications out of the given 5 specifications.

## HTML TABLE

Roll Number	First Name	Last Name	Class
1, 2 and 3	FN1	LN1	12th
	FN2 LN2		11th
	FN3	LN3	

- Specification-1 : The value of the table border attribute should be 1. Table header tag should be used wherever required and alignment should be used whenever required
- Specification-2 : The HTML code structure should be proper. Heading 'HTML TABLE' should be the first level of heading and background color of the page should be Light Cyan.
- Specification-3 : The table should exactly contain 4 rows and 4 columns. The data in each cell should be as shown in the above table.
- Specification-4 : Attribute rowspan should be used wherever required.
- Specification-5 : Attribute colspan should be used wherever required.

**OR**

OR

Write the HTML code to design the web page as shown below, considering the specifications as given below.


- Title of the page is “wild life in India”
- The font used for heading is “Arial”, size is 20 and color is maroon
- Image used is “tiger.jpg”
- The 4 links Bengali.html, Indo\_Chinese.html, Japanese.html and African.html are available in given table.
- Caption of the table is “Species of Tiger”
- The email id for contact us is [abc@xyz.com](mailto:abc@xyz.com)

## INDIAN TIGERS

“Do not cut down the forest with its tigers and do not banish the tigers from the forest. The tiger perishes without the forest and the forest perishes without its tigers. Therefore the tiger should stand guard over the forest and forest should protect all its tigers”.

Species of Tiger

1	Bengali Tiger
2	Indo-Chinese Tiger
3	Japanese Tiger
4	African Tiger



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### CASE STUDY-I

25.

Riya is working in MNC. She needs a software for her new project. Riya wants any software for which she has not to pay. Her colleague told Riya about open source software. Open source software (OSS) is software with source code that anyone can inspect, modify and enhance. “Source Code” is the part of software that most computer users do not ever see; it’s the code computer programmers can manipulate to change how a piece of software - “program” or “application” works.

Open source software is also sometimes conflated with free software movement, which can add to the confusion around whether open source means “free”. The free software movement grew out of the hacker culture of the 1970s and was formally founded by Richard Stallman as part of the GNU Project and the non profit Software Foundation.

- a) Which type of software is completely customisable but it depends on the open source licence?
- b) Give any two example of open source software.
- c) Can Riya change some code of open source software which she will use?
- d) What is the name for software whose source code cannot be modified by anyone?
- e) How do programmers contribute to open source community?


## CASE STUDY-II

26. Consider the following code :

**WELCOME TO DUBAI**

---

Enjoy the world of Pure Travel Masti



The following is a list of major tourist attractions in Dubai:

- Morning- Dolphinarium and Palm Dubai
- Evening - Ski Dubai and Cruise

```
<HTML>
<HEAD><TITLE> DUBAI TOURISM</TITLE> </HEAD>
<BODY><CENTER>
<H1>
<FONT _____="Algerian" color="maroon"> #statement1
WELCOME TO DUBAI</FONT>
</H1></CENTER>
<HR width=80% size="5" color="red" noshade> <BR><BR>
<P><FONT size="12"> Enjoy the world of Pure Travel Masti </FONT>
<IMG _____="burj.jpg" align="center" width="110"> # statement 2
_____ # statement 3
<BR><BR>
The following is a list of major tourist attractions in Dubai: <BR>
<UL _____="square"> # statement 4
_____ # statement 5
Morning
  -Dolphinarium and Palm Dubai
</LI>
<LI>
Evening
  -Ski Dubai and Cruice
</LI>
</UL></BODY></HTML>
```

Based on the given code, answer the following questions

- a) Write the appropriate answer for the blank given in statement 1.
- b) Write the appropriate answer for the blank given in statement 2.
- c) Write the appropriate answer for the blank given in statement 3.
- d) Write the appropriate answer for the blank given in statement 4.
- e) Write the appropriate answer for the blank given in statement 5.



