



COMMON PRE-BOARD EXAMINATION 2022-23

Subject: COMPUTER APPLICATIONS (165)



Maximum Marks: 50

Time Allowed: 2 hours

General Instructions:

1. This Question Paper has 5 Sections A-E.
2. All Questions are compulsory. However, an internal choice of approximately 30% is provided.
3. Section A has 12 questions carrying 01 mark each.
4. Section B has 7 Very Short Answer (VSA) type questions carrying 02 marks each.
5. Section C has 4 Short Answer (SA) 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. Name the process of encoding the message using a secret code.
 - a) Decryption
 - b) Encryption
 - c) Cyber Security
 - d) Copyright
2. Which of the following is an example of a search engine?
 - a) www.bing.com
 - b) www.rediffmail.com
 - c) www.flipkart.com
 - d) www.twitter.com
3. Which of the following is an e-Shopping website?
 - a) Flipkart
 - b) Snapdeal
 - c) Amazon
 - d) All of the above
4. _____ part of TCP/IP is responsible for dividing a file or message into very small parts, at the source computer?
 - a) TCP
 - b) IP
 - c) Both (a) and (b)
 - d) None of these

5. A software that can be freely accessed and modified is:
 - a) Synchronous software
 - b) Open Source Software
 - c) Package Software
 - d) Proprietary Software

6. A collection of webpages linked together in a random order is_____.
 - a) A web server
 - b) A search engine
 - c) A web browser
 - d) A website

7. Which is not a valid value in the align attribute of tag?
 - a) Left
 - b) Right
 - c) Center
 - d) Top

8. The internal styles are defined in the _____ section of HTML document by using the <STYLE> tag.
 - a) Body
 - b) Link
 - c) Head
 - d) Title

9. _____ allows only a single selection at a time in a HTML form.
 - a) Check box
 - b) Radio button
 - c) Text
 - d) None of the above

10. Which attribute does not come in the <HR> tag?
 - a) Size
 - b) Color
 - c) Width
 - d) Length

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):** Empty elements are also referred as void elements.

Reason (R): Empty elements are the tags which do not require a closing tag.

- 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):** The head section contains the tags that are necessary to define the overall basic layout of an HTML document.

Reason (R): The body section contains the text and other content included in a web page that is displayed in its browser view.

- 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. What do you understand by the term Newsgroup? Write any two advantages of Newsgroups.

14. Write any two limitations of e-Banking.

OR

Write any two merits of e-Governance.

15. Explain the use of the target attribute in the Hypertext Link tag with an example.

16. What are Intellectual Property Rights? Name any two common Intellectual Property Rights.

OR

Define Plagiarism. Write any two methods to avoid Plagiarism.

17. “An outline is a line that is drawn around elements, to make the element stand out from the other sections”. Discuss the different outline properties in CSS.

18. Differentiate between ordered list and unordered list.

OR

Distinguish between <TH> and <TD> tags.

19. What is the purpose of **autoplay** and **control** attributes of the <AUDIO>tag?

Section – C (3 marks each)

20. Amit is a beginner to 'Cyber Ethics'. He is confused with the term 'Digital Divide'. Help him to understand about Digital Divide and also explain any two factors that affects Digital Divide.
21. Consider the URL: <https://www.cbse.nic.in> and answer the following questions:
- What do you mean by a 'URL'?
 - Identify the domain name from the above URL.
 - Expand 'https'.
22. Write the equivalent internal CSS for the following specifications:
- A paragraph aligned to the right side with left and right margin of 200 px.
 - <H1> tag with border specifications: width-6 px and style-dotted.

OR

Write the equivalent inline CSS for the following HTML tag.

- <body bgcolor="red" text="blue">
 - <h1>MY Hobbies</h1>
23. Mr. Hashim is new to the Internet World. As his friend, explain to him some of the major services of the Internet.

Section –D (4 marks each)

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

ABC School

ABC is a High-tech School for the next generation Kids, situated in the city of Bangalore which offers quality education on its best. The school has a vast campus of 200 acres with state of the art building and other facilities to provide excellent shape to the future of your kids.



- About Us
- Principal Notes
- Facilities
 - Digital Classrooms
 - Language Room
 - Music Room
 - Art Room
- Auditorium
- Health Center Room

Contact@Principal

Specification-1: The HTML code structure should be proper. Heading ‘ABC School’ should be the first level of heading at the center of the page and the background color of the page should be yellow.

Specifications-2: The image named “school.jpg” should be placed.

Specifications-3: The page should consist of a nested list and the data as exactly given in the question. The outer list should be numbered list.


Specifications-4: The inner list as given should be symbol based.

Specifications-5: E mail id for Contact@Principal is principal@xyz.com.

OR

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

Painting Exhibition in India



Painting is basically an art of applying paint, pigment, color or other elements with the help of brush, knives, sponges or airbrushes to any surface. The broad spectra of paintings can be easily classified into contemporary paintings, nature paintings, modern paintings and many more according to the painter's art style.

Available Paintings

Name	Qty	Prize
Oil Painting	4	3000
Glass Painting	2	5000
Canvas	2	1000

For more enquiry [click here](#)

Specifications-1: Title of the web page is “Painting” and the heading “Painting Exhibition in India” is of second level.

Specifications-2: The image name is “painting.jpg”.

Specifications-3: Paragraph should be in red colour.

Specifications-4: Caption of the table is “Available Paintings” and border size for the table is 2px.

Specifications-5: ‘Click here’ should be the email link abc@xyz.com.

Section - E
Case Study – 1

25. Anamika, Class monitor has to display the class time table on display board. Help her to complete the table with the right statements in the blanks. Observe the table and attempt any four questions (out of 5) given after the table.

Time Table

Day/Period	I	II	Break	III	IV
Monday	English	Maths		Lab	
Tuesday	II Language	Social Science		Science	Music
Wednesday	Science	II Language		Maths	Social Science
Thursday	English	Dance		Library	Social Science
Friday	Maths	Science		Art	

```

<html>
<head>
<title>
Table Concept
</title>
</head>
<body>
<table _____=2>
< _____>Time Table</ _____>
<tr>
<th>Day/Period</th>
<th>I</th>
<th>II</th>
<th _____=6>Break</th>
<th>III</th>
<th>IV</th>
</tr>
<tr>
<th>Monday</th>
<td>English</td>
<td>Maths</td>
<td _____=2>Lab</td>
</tr>
<tr>
<th>Tuesday</th>
<td>II Language</td>
<td>Social Science</td>
<td>Science</td>

```

<!-- STATEMENT – 1 -->

<!-- STATEMENT – 2 -->

<!-- STATEMENT – 3 -->

<!-- STATEMENT – 4 -->

```

<td>Music</td>
</tr>
<tr>
<th>Wednesday</th>
<td>Science</td>
<td>II Language</td>
<td>Maths</td>
<td>Social Science</td>
</tr>
<tr>
<th> Thursday</th>
<td>English</td>
<td>Dance</td>
<td>Library</td>
<td>Social Science</td>
</tr>
<tr>
<th>Friday</th>
<td>Maths</td>
<td>Science</td>
<td _____=2>Art</td>
</tr>
</table>
</body>
</html>

```

<!-- STATEMENT – 5 -->

- a. Write the attribute value to complete Statement-1 to achieve the output given in the above table.
- b. Write suitable option for the blanks given in Statement – 2.
- c. Write the appropriate answer for the blank given in Statement – 3.
- d. Write the correct option for the blank given in Statement – 4.
- e. Write the correct answer for the blank given in Statement – 5.

Case Study - 2

26. Anirudh has recently changed his school so he is not aware of the people, but someone is posting negative, demeaning comments on his social media profile. He is also getting repeated mails from unknown people.

Based on the given information, answer the questions given below. Attempt any four questions.

- a) Identify the type of cybercrime Anirudh is a victim of.
- b) What immediate action should he take to handle it?
- c) After hearing 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 _____.
- d) Can you suggest any two merits of social networking sites to Anirudh?
- e) The act of fraudulently acquiring someone's personal and private information, such as online account names, login information and password is called as _____.