Roll No.

Candidates must write the Code on the title page of the answer-book.

NOTE :

(i) Please check that this question paper contains **7** printed pages.

(ii) Code number given on the right hand side of the question paper should be written on the title page of the answer-book by the candidate.

(iii) Please check that this question paper contains **26** questions.

(iv) Please write down the serial number of the question in the answer-book before attempting it.

(v) 15 minute time has been allotted to read this question paper. The question paper will be distributed at 10.15 a.m. From 10.15 a.m. to 10.30 a.m., the students will read the question paper only and will not write any answer on the answer-book during this period.

COMPUTER APPLICATIONS

Time allowed : 2 hours   *Maximum Marks : 50*

General Instructions :

*(a)   This question paper contains **two** parts – A and B. Each part is compulsory.*

*(b)   Part A carries **20** marks while Part B carries **30** marks.*

(c)   Part A consists of Very Short Answer Type and Case-based MCQ Questions and Part B is Descriptive Paper.

(d)   Both Part A and Part B have choices.

PART A :

(a)   It consists of two sections – I and II.

*(b)   Section I has 13 questions of Very Short Answer Type. An examinee is to attempt any **10** out of **13** questions.*

*(c)   Section II has two case studies. Each case study has 7 case-based sub-parts. An examinee is to attempt any **5** out of **7** sub-parts.*

PART B :

(a) *Question nos. 16 to 20 are Short Answer Type (SA-I) questions of 2 marks each, Question nos. 21 to 25 are Short Answer Type (SA-II) questions of 3 marks each and Question no. 26 is Long Answer Type question of 5 marks.*

(b) *Internal choice is provided in 1 question of 2 marks, 1 question of 3 marks and 1 question of 5 marks.*

PART A

SECTION I

This section consists of 13 questions of Very Short Answer Type. Question nos. 9 to 13 are of 'fill in the blank' type. Fill the blank with the most appropriate answer. Attempt any 10 questions from Question nos. 1 to 13.

1. Write the name of any two attributes of <Font> tag. *1*

2. Ms. Nidhi is designing a webpage for her Primary section. She wants that the written text should appear in white colour on blue colour background of the webpage. Suggest her suitable tag and attribute for the same. *1*

3. Mention any two accepted values of type attribute of <UL> tag. *1*

4. Name the HTML tag to display the text in the given format : *1*

   H_2O

5. Name any two attributes of <IMG> tag. *1*

6. Which tag is used to define the title of a web document ? *1*

7. What is the extension of HTML document ? *1*

8. The <bold> tag of HTML specifies bold text on a webpage. Is this statement true or false ? *1*

9. The _____ tag inserts a single line break. *1*

10. _____ attribute of <A> tag is used to redirect the user to an email address instead of a link. *1*

11. HTML headings are defined with the <h1> to _____ tags. *1*

12. <DL> stands for _____ . *1*

13. In ordered list, by default the list items will be marked with _____ . *1*

Both the case study based questions are compulsory. Attempt any 5 questions (out of 7 questions) from each case study. Each question carries 1 mark.

14.   **INTERNET**

The Internet is the global network of computing devices including desktop, laptop, servers, tablets, mobile phones, other handheld devices, printers, scanners, routers, switches, gateways, etc. Computers are either connected to a modem through a cable or wireless (Wi-Fi). That modem, be it wired or wireless, is connected to a local Internet Service Provider (ISP) who then connects to a national network. Many such ISPs connect together forming a regional network and regional networks connect together forming a national network, and such country-wise networks form the Internet backbone.

(i)   The term 'Network of Networks' is associated with   *1*

     (A)   Bignet

     (B)   Internet

     (C)   Webnet

     (D)   Globalnet

(ii)   The Internet is   *1*

     (A)   World Wide Web

     (B)   Collection of numerous computers spread across the world

     (C)   National network

     (D)   Both (A) and (B)

(iii)   A web browser is a   *1*

     (A)   Software program required to view www documents

     (B)   Hardware tool required to view www documents

     (C)   Software program required to connect to the MODEM

     (D)   Hardware tool required to connect to the MODEM

(iv)   The role of ISP is   *1*

     (A)   To make sure that you can access the internet

     (B)   To manage WWW

     (C)   To get website designed as per your requirement

     (D)   All of the above

(v)   A MODEM is a   1

        (A)   Software

        (B)   Hardware

        (C)   Network

        (D)   Web

(vi)   The service provided by the Internet is   1

        (A)   Email

        (B)   Instant messaging

        (C)   Shopping

        (D)   All of the above

(vii)   The basic requirements for connecting to the Internet are   1

        (A)   Computing Device and Networking Device like MODEM

        (B)   Connection through ISP

        (C)   Only (A)

        (D)   Both (A) and (B)

15.   Web Services

Any service that can be offered and availed electronically through World Wide Web, is known as Web service. The popular electronic mediums that we are using are telephone, call center services, mobile phone, television or Internet. The rise in the usage of smartphones has ensured the maximization of availing facilities and services using Internet. The Internet has played a significant role in revolutionizing web services.

(i)   The example(s) of web service(s) is/are   1

        (A)   Chat

        (B)   E-mail

        (C)   Video conferencing

        (D)   All of the above

(ii)   'e' in 'e-Learning' stands for   1

        (A)   Electrical

        (B)   Electronic

        (C)   Easy

        (D)   Everywhere

(iii)   One of the major disadvantages of e-Learning is   *1*

    (A)   It's very costly

    (B)   It's only available at certain hours of the day

    (C)   e-Learning lacks face-to-face communication

    (D)   It's not time efficient

(iv)   DigiLocker facility comes under   *1*

    (A)   e-Banking

    (B)   e-Governance

    (C)   e-Shopping

    (D)   e-Reservation

(v)   The advantage(s) of e-Governance is/are   *1*

    (A)   Transparency

    (B)   Speedy services

    (C)   Cost saving

    (D)   All of the above

(vi)   Pick the odd one out :   *1*

    (A)   Amazon

    (B)   Flipkart

    (C)   Instagram

    (D)   Snapdeal

(vii)   https://www.irctc.co.in is related to   *1*

    (A)   e-Learning

    (B)   e-Reservation

    (C)   e-Banking

    (D)   All of the above

PART B

All questions are compulsory. In case of internal choices, attempt any one.

16. Ms. Sharda, a class X student, has just started using software on her newly purchased PC. She is confused on how does software licensing work. Help her by explaining it briefly. *2*

17. Discuss briefly the purpose of SMTP and POP3. *2*

18. Som, a website designer, is designing a webpage to spread awareness against COVID-19. He needs to embed a video in the webpage to make the content of the webpage more interesting. Is it possible to embed a video in the webpage ? If yes, then give the HTML code for the same. *2*

19. Vikram is designing a website for his school's upcoming sports day function. While linking various pages of the website, he wants that all the hyperlinked text should appear in red colour. Help him by suggesting suitable tag and attribute along with sample HTML code for the same. *2*

20. Explain the term digital property rights briefly. *2*

OR

What are the most common types of e-commerce frauds ? Discuss briefly. *2*

21. Discuss the significances of background-colour property of Cascading style sheets with the help of suitable HTML code. *3*

22. What is the purpose of HTML forms ? Write the HTML code to create a text box in the HTML form. *3*

23. What do you understand by the term secure data transmission ? Mention any two main points to ensure secure data transmission in e-commerce. *3*

24. Which software will be called open-source software ? Mention any two popular open-source software. *3*

25. How is SMS different from MMS ? Explain. *3*

OR

What is a search engine ? Discuss its role in WWW. *3*

Sahil, a class X student, needs to design a webpage as shown below, to create an image gallery of last three Presidents of India along with some basic information, as a part of his Social Science project : 5

LAST THREE PRESIDENTS OF INDIA

Smt. Pratibha Singh Patil 2007 – 2012   Late Shree Pranab Mukherjee 2012 – 2017   Shree Ram Nath Kovind 2017 Till now

Write the HTML code to design the above shown webpage considering the specifications as given below :

- Arrange the content of the webpage in table form, in which the heading should be spread in the first row, three images should be in placed in three separate cells of the second row and their related information in three separate cells of the third row.

- All the text should be centre aligned.

- Text "LAST THREE PRESIDENTS OF INDIA" should be in main heading form (first level of heading).

OR

Discuss the significance of table tag of HTML briefly. Name the attributes to merge three cells horizontally in the same row as a single cell. Also give suitable HTML code to achieve the same.