NORTH-EX PUBLIC SCHOOL
(Senior Secondary, Affiliated To CBSE)
School Block, Jain Nagar, Sector-38, Rohini, Delhi – 81
HALF YEARLY EXAMINATION, 2023-24
SUBJECT – COMPUTER APPLICATION
CLASS - IX

TIME: 2 hrs   **MM: 50**

General Instructions :

1. This Question Paper has 5 Sections A – E.
2. All Questions are compulsory .
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 questions carrying 04 marks.
7. Section – E has 2 Source based / Case – based /Passage base questions carrying 04 marks each .

Section – A (All questions are compulsory)one marks each

1. Which of the following is not a part of a CPU ?
   a) MU   b. ALU   c. VDU
2. ……………. is a quick and convenient way to send short messages.
   a) MMS   b. SMS   E- mail
3. Which is a vector based graphical printing device ?
   a) Printers   b. Plotters   c. Scanners
4. Dot – Matrix printer is a type of ……
   a) Impact printer   b. Non- impact c. Matrix
5. MS PowerPoint is an example of ……………
   a) Database software   b. Multimedia software   c. Presentation software
6. Which software acts as a co – ordinator between hardware and software ?
   a) Interpreter   b. Compiler   c. Operating system
7. When the file is deleted, it goes to the …… folder .
   a) Documents   b. Computer   c. Recycle Bin
8. Which scroll bar is used to move the screen display right and left ?
   a) Horizontal scroll bar   b. Address bar   c. Vertical scroll bar
9. Operating System is a type of …………. Software.
   a) System   b . Application   c. Utility

10. Which type of Interface does the Windows operating system have ?

   a) GUI   b. CUI c. Both of these

11.A computer system , which can access a remote service from a server using a network is called a …………..

   a) Server   b. NIC c. Node

12. In which year Cyber law was introduced ?

   a) 2009 b. 2001 c. 2000

Section – B (2 marks each)

13. Write any two characteristics of a computer .

   OR

Write any two applications of computer .

14.Which input device is used to play video games in a more interesting way ? Explain why .

15. Draw the classification of software .

   OR

   What is software and name the types of software

16.What is an operating system ?

17.Write any two features of Windows .

18.Briefly explain any three uses of the internet .

   OR

   What is computer network ?

19.What is cyber safety ?

Section – C (3 marks each)

20.What are cookies and what are their types ?

21.Briefly explain about CPU and its components .

22.Draw a diagram types of computers based on configuration .

   OR

   Define Video conferencing .

23.Explain any two input devices or output devices .

Section – D (4 marks each)

24.Write the classification of mobile apps .

   OR

Write about the components of operating system .

Case study – 1

25. A teacher is explaining networking to the students in a computer lab. What will she call a computer system in a network which accesses the main computer for all its applications in a computer lab ?

   a. Which type of guided media will you suggest to be used by the cable operator in your city.
   b. Which type of network will you recommend in a school for data and hardware sharing ?
   c. Which type of network is used by your local telephone exchange ?

Case Study - 2

26. While working , Mrs. Sharma's system stopped functioning suddenly . After her system got repaired , she tried to log in to her e-mail account but could not do so . There was an error of incorrect user name or password .

   a. What might be the reason for this ?
   b. How do you think her password might be altered , if at all ?
   c. What precautions she should have taken to protect her login details ?

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HALF YEARLY EXAMINATION, 2023-24
SUBJECT – COMPUTER APPLICATON(CODE-165)
CLASS - X

TIME: 2 hrs   **MM: 50**

General Instructions :

1. This Question Paper has 5 Sections A – E.
2. All Questions are compulsory .
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 questions carrying 04 marks.
7. Section – E has 2 Source based / Case – based /Passage base questions carrying 04 marks each .

Section – A (All questions are compulsory) one marks each

1. The content of a web page is made up of ……………
   a. Graphics   b. Text   c. Hypertext and Hyperlink

2. Which one of these is an extension of International organisations?
   a. .net   b. .ins   c. .int

3. HTML uses ……………….tags .
   a. Predefined   b. User defined   c. Both a and b

4. SMTP is an acronym for …………….
   a. Simple message transfer protocol   b. Sample message transfer protocol
   b. Simple mail transfer protocol

5. Facebook ,Twitter , and Linked In are the examples of …………….
   a. Chat Software   b. Social networking sites   c. Network Sharing

6. Chatting on Internet is ……………….
   a. Talking face –to –face   b. Online textual link c. Talking on phone

7. The …………. tag contains the content of your document which gets displayed on the web page of your browser window .
   a. <HEAD>   b. <BODY>   c. <HTML>

8. Which tag adds a line horizontally on your web page ?
   a. <HR >   b. <LINE>   c. <TR>

9. Which character is used with the OFF tag ?

  a. End   b. /   c <

10. You can use the …….. attributes to control the horizontal space around an image .

  a. Hspace   b. Rspace   c. L space

11. Which of the following is not the attribute of <A>tag ?

  a. Name   b. Title   c . SRC

12. Which attribute (s) is/are used to merge rows ?

  a. Rowspan   b. Colspan   c. Both a and b

Section-B (2 marks each)

13. Write any two differences between WWW and Internet.

14. What is a URL ?

   OR

   Write any two disadvantages of blogging ?

15. Write a short note on social networking .

16. What does <BODY> tag in HTML contain ?

   OR

   What is the purpose of using the type attribute in lists ?

17. Differentiate between <TH> and <THEAD> tag.

18. Which tag is used to create a row in a Table?

19. What is a table ? Write its advantages .

Section – C (3 marks each)

20. Write any two differences between a server and web server .

21. Write any 3 benefits of E-mail .

22. Explain the difference between a tag and an attribute.

23. Write a program in HTML to insert an image .

   OR

   Which tags are used to create a table in HTML ?

Section – D (4 marks each)

24. Write any 5 advantages of social networking .

   OR

   Create a HTML program using any 5 formatting tags .

Case study – 1

25. Riya has to display the farewell party program on the school website .Help Riya in writing the HTML code to generate the following output .

FAREWELL PROGRAM
10:00 a.m – 12:p.m   1:00p.m – 2:00p.m
 Dance Events   Lunch

Case study - 2

26. Consider the web page given here and answer the question:

   a. What is the alignment of the logo ? Mention its syntax.
   b. Name the attribute used to change the color of the bulleted points .
   c. If you want to search books on the topic 'computer',which tag you will use .
   d. Identify the types of lists used on the web page .

NORTH-EX PUBLIC SCHOOL
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HALF YEARLY EXAMINATION, 2023-24
SUBJECT – INFORMATICS PRACTICES (CODE- 065)
CLASS - XII

TIME: 3 hrs   **MM: 70**

General Instructions :

1. This Question Paper contains 5 Sections. Section   A to E.
2. All Questions are compulsory .
3. Section – A has 18 questions carrying 01 mark each.
4. Section – B has 7 Very Short Answer (VSA) type questions carrying 02 marks each .
5. Section – C has 5 Short Answer (SA) type questions carrying 03 marks each .
6. Section – D has 3 Long Answer (LA) type questions carrying 05 marks each.
7. Section – E has 2 questionscarrying 04 marks each .One internal choice is given .
8. All programming questions are to be answered using Python Pandas language only .

Section- A

1. Python Pandas was developed in
   a. 2008   b. 2009   c . 2010
2. The full form of CSV is …………..
   a. Comma Separate Value   b. Common Separated Value c. Comma Separated Values
3. Which of the following import statement is not correct ?
   a. Import pandas as class12
   b. Import pandas as 1pd
   c. Import pandas as pd1
4. Which of the following is not an attribute of Pandas dataframe ?
   a. Length   b. size   c. shape
5. Which method is used to Delete row (s) from DataFrame?
   a. .drop () method   b. .del ()method   c. .remove ()method
6. What is a stand alonecomputer ?
   a. A computer that is not connected to a network
   b. A computer that is being used as a server
   c. A computer that is used by only one person

7. Switch is a ………….
   a. Broadcast device   b. Unicast device   c. Multicast device
8. Which topology requires a multipoint connection on a single cable ?
   a. Star   b. Bus   c. Mesh
9. If a computer connected to a star topology fails , the entire network will ……………
   a. Also fail   b. Work unaffectedly   c. only server will work
10. Network devices that sends the data over optimizing paths through connected hope is …
    a. Hub   b. Router   c. Bridge
11. When you visit a website , it will open the page set as ………… of the website .
    a. Web Site   b. Home Page   c. ISP
12. Which of these is not a part of URL?
    a. IP address   b. Port number   c. Domain Name
13. Chatting on Internet is
    a. Talking face to face   b. Talking on phone   c. Online textual talk
14. In URL ,http://www.pacein.com/pr/main.htm,which component identifies the web-site ?
    a. http   b. www.pacein.com   c. /pr/main.htm
15. A software that can be freely accessed and modified is called ……….
    a. Package software   b. Open source software   c . Middleware
16. Which of the following is a disadvantage of 'proprietary' software ?
    a. You need to be an expert to edit code
    b. You have to pay for this type of software
    c. It's licensed
17. Which of the following would be a creative work protected by copyright ?
    a. A list of all Indian President names
    b. A portrait of your family
    c. A song you wrote
18. What is an example of e-waste?
    a. Old clothes   b. An old computer   c. Empty soda cans

Section – B

19. How is series data structure differ from a dataframe data structure ?
20. Write any 2 advantages of networking .
21. What are the two parts of an e-mail address? Which character is used to separate these two parts ?
22. Write any 2 advantages of ring or circular topology.
            OR

   Define – Gateway , Bridge

23. Write any 2 differences between server and web server .

24. Define about the types of web page .

25. What is spam vs. junk mail ?

OR

What is Plagiarism ?

Section - C

26. Write a program in Python pandas to create a series object using an ndarray that has 5 elements in the range25 to 55.

27. Write any 3 differences of LAN and WAN network.

28. Define a short note on history of INTERNET .

29. What is the meaning of web browser ?write any 3 commonly used web browser .

30. `Write any 4 E-mail Etiquettes .

Section – D

31. Write about the managing of Digital Footprint .(any 5)

32. Write the output of this program.

Import pandas as pd

stu = {'A':39 , 'B':41 , 'C' : 42 , 'D': 44}

s8 = pd. Series (stu)

print (s8)

and Define about the python pandas .

33. Define URL and write the types of URL .

Section – E

Case study - 1

34. Tech Up Corporation (TUC) is a professional consultancy company .The company is planning to set up their new offices in India with its hub at Hyderabad . As a network adviser ,you have to understand their requirement and suggest to them the best availablesolutions . Their queries are mentioned as below.

Block (from)	Block (to)	Distance	Computers
Human Resource	Conference	60	125
Human Resource	Finance	120	25
Conference	Finance	80	60

a. What will the most appropriate block,where TUC should plan to install their server ?

b. Draw a block to block cable layout to connect all the buildings in the most appropriate manner for efficient communication.

c. What will be the best possible connectivity out of the following ,you will suggest to connect the new setup of offices in Bengalore with its London based officeb?
- Infrared
- Satellite Link

d. Which of the following devices will be suggested by you to connect each computer in each of the buildings ?
- Gateway
- Switch

Case study - 2

35. Smridh 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. Everytime he goes online , he finds someone chasing him online .

a) Smridh is a victim of ……….
   i) eavesdropping   ii) stolen identity   iii) cyber stalking

b. The action that Smridh should take :
   i) He should only share with his friends .
   ii) He should not share with anyone as it can cause serious problem.
   iii) He should bring to the notice of his parents and school authorities.

c. ………is a set of moral principles that governs the behavior of a group or an individual and regulates the use of computers .
   i) Copyright   ii) Computer ethics   iii) Privacy law

d. The act of fraudulently acquiring someone's personal and private information ,such as online account names ,login information and passwordsis called as ………….
   i) Phishing   ii) fraud   iii) scam