SAMPLE QUESTION PAPER - 4
Computer Applications (165)
Class IX (2024-25)

Time Allowed: 2 hours   **Maximum 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

1. Prompt command: **[1]**

   a) confirm deletion of file   b) make directories

   c) searches a file   d) changes prompt

2. Which of the following does not represent an I/O device?   **[1]**

   a. Speaker

   b. Plotter

   c. ALU

   d. Joystick

   a) Option (b)   b) Option (c)

   c) Option (d)   d) Option (a)

3. Which of the following is not an example of worm?   **[1]**

   a) De bumper   b) Sobig

   c) MS-Blaster   d) Melissa

4. Which one of the following is a type of antivirus program? **[1]**

   a) Quick heal   b) All of these

   c) Mcafee   d) Kaspersky

5. Which one of the following is not a way to get a computer virus? **[1]**

   a) Through e-mail attachments   b) By downloading files

   c) Through pen drive   d) By typing on keyboard

6. What is the default left margin in Word 2003 document? **[1]**

   a) 1.25   b) 1

   c) 2   d) 1.5

7. Cyber safety is the responsible use of **[1]**

   a) Passwords   b) Social networks

   c) ICT   d) IT

8. _____ is the default file name for a PowerPoint presentation. **[1]**

   a) Book 1   b) Presentation 1

   c) Untitled 1   d) Document 1

9. Which of the following is an invalid Shut down option in the Start menu in Windows 7? **[1]**

   a) Restart   b) Log Off

   c) Switch User   d) All of these are valid Shut down options

10. The unique identification number for every computer in a network is called a _____. **[1]**

    a) IP Address   b) TCP Address

    c) FTP Address   d) LAN Address

11. **Assertion (A):** Windows operating system is one of the most popular and commonly used CUI-enabled operating system and Windows 7 is the version of Windows operating system that is most commonly and widely used now-a-days. **[1]**

Reason (R): An Operating System (OS) is system software that manages computer hardware, software resources and provides common services for computer programs.

   a) Both A and R are true and R is the correct explanation of A.

   b) Both A and R are true but R is not the correct explanation of A.

   c) A is true but R is false.

   d) A is false but R is true.

12. **Assertion (A):** We cannot include an embedded or linked graphic in a group with drawing objects. **[1]**

Reason (R): 'Wrap text' means adjusting or fitting text into a graphical object.

   a) Both A and R are true and R is the correct explanation of A.

   b) Both A and R are true but R is not the correct explanation of A.

   c) A is true but R is false.

   d) A is false but R is true.

Section B

13. What does Aero Shake feature of Windows 7 enable you to do? **[2]**

14. What are arguments? **[2]**

OR

What are the advance features of MS-Word?

15. What do you mean by cyber safety? **[2]**

16. Give one basic difference between guided and unguided transmission channels. **[2]**

OR

What do you mean by Linux?

17. Rakesh, employee at cluestech.com, wants to connect computers in his computer lab. Which kind of cable he can use to do so? **[2]**

18. Write any two steps to prevent plagiarism. **[2]**

OR

Define boot virus.

19. What is a database management system? **[2]**

Section C

20. Describe the use of accounting management software. **[3]**

21. Write all the steps for adding styles to a picture. **[3]**

OR

List the steps to insert an image from the pictures saved in the computer.

22. Explain the concept of cell referencing alongwith its various types. **[3]**

23. What are the three ways to protect digital property rights? **[3]**

Section D

24. Explain any three types of security threats. **[4]**

OR

What do you understand by identity protection? Give three steps you should take to protect from theft.

Section E

25. **Read the text carefully and answer the questions:** **[4]**

Microsoft Word is a popular commercial word processor created by Microsoft. MS Word is also one of the widely used programs in the suite. There are many features of MS word. Although many other applications give it a competition, nothing has defeated it to date. It is available for both Windows and Apple operating systems. Microsoft Word is in the Microsoft Office productivity package, although it is also available as a standalone application. Microsoft Word was first released in 1983 and has seen various revisions since then. It's compatible with both Windows and Mac computers. Features of MS word helps to make professional write-ups, editing and formatting the existing documents. It also helps in creating graphical documents comprising images, and more. Millions of office workers, students and home users to create, read and edit documents use this software program. It can also be useful to familiarize yourself with the basic features and characteristics of the application.

(i)   State the difference between Bullets and Numbering in Word.

(ii) What do you understand by the term **Borders and Shading**?

(iii) Name four options that you can customize before printing a document.

(iv) What are Symbols?

26. **Read the text carefully and answer the questions:**   **[4]**

A computer system is a collection of different hardware and software components put up together to perform these three major functions again and- again, i.e., input, process and output. Computer systems are used in every walk of life to assist us in the various tasks we perform. A computer system allows us to store, process, display and communicate information. The full form of 'Computer' is 'Common operating machine particularly used for technological engineering research'. The word computer has been derived from the word compute which means to calculate.

(i)   What do you mean by the term system?

(ii) Define the term information.

(iii) What is the use of output unit?

(iv) What is the use of control unit?

Section A

1.

   (d) changes prompt

   Explanation:

   changes prompt

2.

   (b) Option (c)

   Explanation:

   Here, ALU is a processing device. ALU is a part of CPU which calculates all the arithmetic and logical operations.

3. **(a)** De bumper

   Explanation:

   De bumper is a type of trojan horse.

4.

   (b) All of these

   Explanation:

   Antivirus is a kind of software program that helps to detect and remove viruses form the user's computer and provides a safe environment for users to work on.

5.

   (d) By typing on keyboard

   Explanation:

   By typing on keyboard is not a way to get a computer virus.

6.

   (b) 1

   Explanation:

   In Word 2003 and earlier, the default top and bottom margins were 1 inch (25.4 mm), but 1.25 inches (31.7 mm) were given at the left and the right.

   The default margins for Microsoft Word from version 2007 onward have been 1 inch (25.4 mm) all around.

7.

   (c) ICT

   Explanation:

   Cyber safety is the safe and responsible use of Information and Communication Technology (ICT).

8.

(b) Presentation 1

Explanation:

The default name given to a presentation file is Presentation 1.

9.

(d) All of these are valid Shut down options

Explanation:

All of these are valid Shut down options

10. **(a)** IP Address

Explanation:

IP Address

11.

(d) A is false but R is true.

Explanation:

A is false but R is true.

12.

(b) Both A and R are true but R is not the correct explanation of A.

Explanation:

Both A and R are true but R is not the correct explanation of A.

Section B

13. Windows 7 supports Aero Shake feature that enables us to click a window pane and shake our mouse to minimize all other open windows. We can shake the pane again to restore the windows to their original sizes.

14. Arguments are the cell addresses which contain values to be used in a function.

OR

   i. Mail merge

   ii. Macros

  iii. Spell and grammar check

   iv. Linking and embedding

   v. Auto correct feature

15. Cyber safety refers to safety in cyberspace which concept is wider than commonly used concept in cybercrime.

16. In guided transmission media, cables (or wires) are used for communicating data while in unguided transmission, in place of cables, signals travel through air.

OR

Linux is an open-source operating system, means anyone can download it and use it without any fees. It is similar to Unix in its working and difficult to understand. It is an OS

that controls your computer system.

17. Twisted pair and fiber optic.

18. Two steps to prevent plagiarism are as follows:

    i. Always cite the source of the text. Citation strengthens the resource.

    ii. Rephrase the text material.

<div align="center">OR</div>

The boot records of hard disk are infected by this virus. These viruses are more dangerous than the program virus. Some examples of these viruses are disk killer and stoned virus.

19. A Database Management System (DBMS) is a software package that enables you to store, modify and extract information from a database.

<div align="center">

Section C

</div>

20. Accounting software is a class of computer programs that enable you to manage your business's financial transactions. Such programs can vary widely in scope, with some programs designed for little more than simple bookkeeping and some designed to manage the entire financial comings and goings of large businesses. Using accounting software helps companies to use the resources in their accounting departments efficiently and can reduce costly bookkeeping mistakes.

21. Different styles can be added to a picture. Perform the below mentioned steps to add styles to a picture.

    Step 1: Select the picture you want to add a style to.

    Step 2: As soon as you select it, you would see the Format tab under the Picture Tools.

    Step 3: In the Picture Styles group, select the style of your choice, after clicking on the dropdown arrow.

<div align="center">OR</div>

We perform the below-mentioned steps to insert an image from the pictures saved in the computer.

    Step 1: First, we place the cursor where we want to add the image and we click on the Insert tab.

    Step 2: We click on the Picture option in the Images group. The Insert Picture dialog box will appear.

    Step 3: Next, we search and select the desired image file from our computer and click on the Open button. The image will appear in our slide.

22. Excel supports three types of cell referencing, which are as follows:

    i. **Relative:** Every relative cell reference in formula automatically changes when the formula is copied down a column or across a row. As the example illustrated here shows, when the formula is entered (= B4 - C4) in Cell D4 then this formula copied in D5 then it will change into (= B5 - C5) related to cell.

ii. **Absolute:** An absolute cell reference is fixed. Absolute references do not change if you copy a formula from one cell to another. Absolute references have dollar sign ($) like $\$D\$9$. As the shows, when the formula $=C4*D9$ is copied from row, the absolute cell reference remains as $\$D\$9$.

iii. **Mixed:** A mixed cell reference has either an absolute column and a relative row, or an absolute row and a relative column, e.g. $A1 is an absolute reference to column A and a relative reference to row 1. As a mixed reference is copied from one cell to another, the absolute reference stays the same but the relative reference changes.

23. Three ways to protect digital property rights are as follows:

i. **Using a Software Escrow:** Software developers may want to share their software with as few people as possible. Only the most trusted or the team of developers, should have access to the source code. Anyone outside the team, be it licencees, vendors, distributors, etc. can be a threat to the security of our digital assets. One solution is the use of a software escrow, which keeps the software's source code in safe hands to make sure that no one can obtain it without authorisation.

ii. **Using Digital Rights Management (DRM) Solutions:** DRM is a set of access control technologies for restricting the use of proprietary software and copyrighted works. DRM controls the use, modification and distribution of copyrighted works, such as software or other digital products. A DRM solution may also protect the software from being accessed for source codes using computer programs such as decompilers.

iii. **Anti-hacker Software:** There are many antihacking softwares and technologies available which can be used to protect digital assets such as proprietary software, applications and tools. These anti-hacking tools prevent attackers from controlling or accessing the software and, therefore, help in protecting digital assets.

Section D

24. Any three types of security threats are:

i. **Trojan horses:** Trojan horse is a program in which malicious or harmful code is contained inside apparently harmless programming or data in such a way that it can get control and do its chosen form of damage.

ii. **Bombs:** Bombs or Logic bombs are small programs or sections of a program triggered by some event such as a certain date or time, a certain percentage of disk space filled, the removal of file, and so on.

iii. **E-mail Viruses:** An e-mail virus is computer code sent as an e-mail note attachment which, if activated, will cause some unexpected and usually harmful effect, such as destroying certain files on the hard disk.

OR

Identity protection refers to the protection of personally identifiable information, such as Aadhar Card Number, Credit/Debit Card Number, bank account number, username or password by an imposter in order to impersonate someone else. Identity fraud can be used to obtain credit, merchandise and services in the name of the victim, or to provide the thief with false credentials. In addition to running up debt, in rare cases, an imposter might provide false identification to police, creating a criminal record or leaving outstanding arrest warrants for the person whose identity has been stolen.

Some of the steps you should take to protect your identity from theft are:

i. Protect your computer and smartphone with strong, up-to-date security/anti-malware software. This is because if your computer or phone is infected with malicious software, other safeguards will be of little help.

ii. The operating system should also be regularly updated with different security patches and service packs as this will decrease the possibility of the security breach.

iii. You should be able to spot spam and scams. Although some phishing scams are easy to identify, other phishing attempts in e-mail, instant messaging, on social networking sites, or websites can look very legitimate. You should never click on a link that has been sent to you, if you have no idea about the source.

Section E

25. **Read the text carefully and answer the questions:**

Microsoft Word is a popular commercial word processor created by Microsoft. MS Word is also one of the widely used programs in the suite. There are many features of MS word. Although many other applications give it a competition, nothing has defeated it to date. It is available for both Windows and Apple operating systems. Microsoft Word is in the Microsoft Office productivity package, although it is also available as a standalone application. Microsoft Word was first released in 1983 and has seen various revisions since then. It's compatible with both Windows and Mac computers. Features of MS word helps to make professional write-ups, editing and formatting the existing documents. It also helps in creating graphical documents comprising images, and more. Millions of office workers, students and home users to create, read and edit documents use this software program. It can also be useful to familiarize yourself with the basic features and characteristics of the application.

(i) Numbered lists are usually used when you need to put the headings under a specific order, ascending or descending. However, bullet points are used to get across your stuff fully in rather a chronological order without emphasis on any one point particularly.

(ii) Word's options for borders in a document are moderately comprehensive and allow you to create a clear-cut layout or decorative design. You can apply borders to things like paragraphs, pages, table cells, etc.

(iii)Some of the options are: Pages, Print One sided, Collate, Page Orientation, Paper Size, Page Margins and Scaling.

(iv)A symbol is a special character that is generally not found on the keyboard and therefore cannot be inserted directly into document.

26. **Read the text carefully and answer the questions:**

A computer system is a collection of different hardware and software components put up together to perform these three major functions again and- again, i.e., input, process and output. Computer systems are used in every walk of life to assist us in the various tasks we perform. A computer system allows us to store, process, display and communicate information. The full form of 'Computer' is 'Common operating machine particularly used for technological engineering research'. The word computer has been derived from the word compute which means to calculate.

(i) The term system refers to a group of interconnected components which work together to perform an integrated whole.

(ii) Data are raw facts which when processed gives us information.

(iii)The output unit is responsible for recording the final results sent from internal storage unit.

(iv)The control unit directs the operation of all components and units of the computer system as per the instructions given in a program.