**Class IX Computer A->lication**

**Chapter 5 Operating System Software Win 7**

**Type A: Multiple Choice Questions (MCQ)**

1. (ii) Operating System
2. (iii) Multiple jobs are handled simultaneously
3. (ii) Booting
4. (iv) All of these
5. (i) Proprietary Software.
6. (iv) Taskbar
7. (ii) Recycle Bin
8. (iii) Both (i) and (ii)
9. (ii) The links to the objects at some other location
10. (ii) To save power su->ly…..
11. (iv) Notification Area
12. (iii) Cut, Paste
13. (iv) All of these
14. (iii) Alt + F4
15. (iii) SMTP

**Type B: State Whether the Following Statements are True or False**

1. True
2. False
3. True
4. True
5. False
6. False
7. True
8. False
9. True
10. False
11. false
12. False
13. True
14. False
15. False
16. False
17. False
18. true

**Type D: Very Short Answer Type Questions**

(a) It helps to control the working of computer system.

(b) Processor management function of the Operating System helps to optimize the performance of CPU.

(c) Time sharing Operating System divides the CPU time equally among all the jobs in progress.

(d) Linux and BOSS are two open source Operating System Software.

(e) Windows 10 is the latest version of Windows Operating System and was released July 2015.

(f) DOS and Unix are two Operating Systems which provide Character User Interface (CUI) to interact with computer.

(g) The small pictorial representation of files, folders, programs or shortcuts.

(h) Using Search Box in the Start menu will help you to search any file/folder or program in your computer system.

(i) A Windows feature which provides access to related file from a common location.

(j) Recycle Bin helps to restore the deleted files.

(k) Shortcuts provide link to the files stored at remote location.

(l) Navigation Pane and Content Pane are the two main areas in Windows Explorer window.

(m) By holding Shift key while deleting a file.

(n) List View, Details View, Tiles View, Content View and Icons are the different views in which contents of a folder or drive can be displayed in Content pane.

(o) Notepad is a Windows Accessory is mainly used to create unformatted text documents.

**Type E: Short Answer Type Questions**

(a) An Operating System Software controls the working of computer system and acts as an interface between user and computer.

(b) Multitasking Operating System allows to handle multiple jobs at a time where as multiuser system allows multiple users to use the system resources.

(c) Desktop, icons, taskbar, start menu are the different GUI components of Windows Operating System softwares.

(d) Taskbar is one of the GUI component of Windows operating system present at the bottom of your monitor screen. It helps to manage multiple opened windows. Using this we can easily navigate from one task to another.

(f) To create the shortcut on desktop:

-> Right click the icon of file/folder whose shortcut to be created.

-> Select the option ‘Send To’.

-> Click the option ‘Desktop (Create Shortcut)’ in the cascading menu.

(e) A file is a collection of related information stored with an identifier name.

Folders are used to manage files in the computer system.

(g) To create a slideshow of the images as desktop background, select all the images to be used in slideshow using Ctrl key while setting the desktop background.

(h) To set the date and time, manually:

->Click on the time in the notification area on the taskbar, click on date and time. click Change date and time settings in the clock details window.

-> Change date and time as needed in the Date and Time dialog box.

->Click OK button.

(i) To restore files from the recycle bin:

-> Open Recycle Bin.

**Solutions**

-> Right click on the file/folder icon to be restored.

-> Choose ‘Restore’ option in the cascading menu to restore the selected object.

(j) Notepad is a simple text editor which is used to create unformatted text document whereas Wordpad is a word processor used to create formatted text documents.

k. When a disk undergoes a low-level format, it is divided into **tracks and sectors**. The **tracks** are concentric circles around the disk and the **sectors** are segments within each circle.

**Type F: Long Answer Type Questions**

(a) An Operating System Software helps to controls the functioning of various components of computer system and it provides interface to the user to interact with the computer system. Various types of Operating Systems are:

-> **Single User Operating System:** It allows only one user to use the system resources and only one job can be processed by the CPU.

-> **Multi-user Operating System:** It allows multiple user to use the resources of the computer system at one point of time.

->**Multitasking Operating System:** This type of Operating System allows simultaneous execution of the multiple jobs at a time by the CPU.

->**Time Sharing Operating System:** In this CPU time is divided equally among all the active jobs.

->**Real Time Operating System:** It is used for the online external processes having strict time constraint.

-> **Distributed Operating System:** It runs on various independent machines interconnected with some communication medium such that they can transmit data, messages, programs, processing tasks, etc.

(b) Mobile Operating System is specially designed to run on mobile devices like cell phones, smart phones, PDA’s, Tablet computers and other handheld devices. Some of the popular Mobile OS are:

-> **Android Operating System:** It is a Linux based mobile Operating System developed by Google free software to the mobile device manufactures.

->**Symbian:** It is a mobile Operating System and computing platform specially designed for smartphones and mobiles that offer high level of integration with communication and personal information management.

(c) Major features of Windows operating system are:

-> **Easy to Use:** It offers user friendly interface to interact with computer.

->**Graphical User Interface:** The graphical objects like menus, icons, dialog boxes, etc makes it more interactive.

-> **Multitasking:** Multiple jobs can be processed simultaneously ain different windows.

-> **Information Sharing:** Data can be shared among the various a->lications using clipboard facility.

-> **Customised Work Environment:** Multiple users accounts can be created to customized individual work environment.

->**Connectivity:** It offers the network su->ort to connect multiple computers for information and resources sharing.

(d) Various Windows Accessories are:

-> **Notepad:** This is one of the basic text editor used to create unformatted text documents.

-> **WordPad:** This is a Word Processing Software which can be used to create and edit formatted text document.

**Solutions**

->**Paint:** This is one of the graphical a->lications used to create or edit the pictures or images.

-> **Calculator:** This a->lication used to perform simple or complex mathematical calculations.

(f) Windows Explorer

(i) To open Windows Explorer:

-> Click on Start button.

->Select All Programs.

-> Go to Accessories and click Windows Explorer option in it.

(ii) Navigation Pane and Content Pane

(iii) Left pane i.e., Navigation Pane shows the favourites, libraries and expandable list of drives

and folders.

(iv) Contents in the right pane i.e., Content Pane can be viewed in 5 different ways.

(v) This is the Content View.

(vi) This button is used expand and collapse the drive

(g) (i) Taskbar

(ii) Message box

(iii) Start button

(iv) Recycle Bin

(v) Shortcut menu

(vi) Notification area

**Type F: Application Oriented Questions**

(a) The factors that need to consider before finalising your Operating System are:

-> User friendliness

-> Applications supported by it.

-> Interface

-> Security feature

-> Network support

(b) She can make use of Search Box feature in Start menu by typing \*.odt in it.

(c) (i) **Programmer calculator:** To perform advanced calculations.

(ii) **Standard calculator:** To perform simple calculations.

(iii) **Scientific calculator:** To perform complex Scientific calculations.

(iv) **Statistical calculator:** To perform statistical calculations.

(d) The steps that he should follow :

-> Right click on the folder named Class VIII and click Rename option in the Shortcut menu.

-> Type the new name i.e., Class IX and press Enter key.

(e) To set the date and time:

-> Click on the time in the notification area on the taskbar, click on date and time. click Change date and time settings in the clock details window.

-> Change date and time as needed in the Date and Time dialog box.

-> Click OK button.

**Type C: Fill in the Blanks**

* 1. Interface**lutions**
  2. Main Memory (RAM)
  3. Single user
  4. Kernel
  5. GUI (Graphical User Interface).
  6. Taskbar
  7. Window
  8. Folders
  9. Shortcut
  10. Screen saver
  11. Windows Explorer
  12. Files /subfolders
  13. Ms-Paint
  14. Shut Down
  15. FAT
  16. NTFS
  17. Sharing