# Bloom Computer Olympiad
# Sample Paper

**Maximum Time : 60 Minutes**                    **Maximum Marks : 60**

## INSTRUCTIONS

1. There are 50 Multiple Choice Questions in this paper divided into two sections.

   **Section A**    40 MCQs; 1 Mark each
   **Section B**    10 MCQs; 2 Marks each

2. Each question has Four Options out of which **ONLY ONE** is correct.

3. All questions are compulsory.

4. There is no negative marking.

5. No electric device capable of storing and displaying visual information such as calculator and mobile is allowed during the course of the exam.

**Roll No.**

**Student's Name**

# Section-A (1 Marks each)

**1.** The primary component of a computer system is
  (a) Keyboard                      (b) Mouse
  (c) Central Processing Unit(CPU)  (d) Monitor

**2.** ………………… is the most common type of computer storage used for storing data permanently.
  (a) Hard Disk Drive (HDD)         (b) Read Only Memory (ROM)
  (c) Random Access Memory (RAM)    (d) Solid State Drive (SSD)

**3.** A memory faster and more expensive than other types of memory is
  (a) Hard Disk Drive (HDD)         (b) Read Only Memory (ROM)
  (c) Random Access Memory (RAM)    (d) Cache Memory

**4.** ………………… computer systems are used for large scale scientific simulations and analysis.
  (a) Desktop Computers             (b) Supercomputers
  (c) Laptops                       (d) Servers

**5.** The difference between a bit and a byte in computer storage is
  (a) a byte is larger than a bit.  (b) a bit is larger than a byte.
  (c) they are of same size.        (d) there is no difference.

**6.** ………………… hardware is responsible for performing arithmetic and logical operations in a computer system.
  (a) Hard Disk Drive (HDD)
  (b) Read Only Memory (ROM)
  (c) Cache Memory
  (d) Central Processing Unit (CPU)

**7.** A software used to create and edit text, spreadsheets and presentations is called
  (a) System Software               (b) Application Software
  (c) Utility Software              (d) Game Software

**8.** ………………… hardware device is used to output information from a computer system.
  (a) Monitor                       (b) Keyboard
  (c) Printer                       (d) Mouse

**9.** The primary function of a Hard Disk Drive (HDD) in a computer system is
  (a) to connect the computer to the internet.
  (b) to provide power to the computer.
  (c) to store large amounts of data permanently.
  (d) to perform mathematical operations.

**10.** The purpose of a digital camera in a computer system is
   (a) connect the computer to the internet .
   (b) store data permanently.
   (c) capture still images and video.
   (d) provide power to the computer.

**11.** The most common way to discover a media type is
   (a) by file extension                    (b) by file location
   (c) by file name                         (d) by file pixel

**12.** .WAV is an extension for
   (a) sound / audio / music files          (b) only video files
   (c) only graphic files                   (d) only antivirus files

**13.** Picture formats can be recognized by which extension / extensions
   (a) .gif                                 (b) .jpg
   (c) .png                                 (d) All of these

**14.** An equalizer allows control of the ......................... of the songs that are played.
   (a) play list menu                       (b) audio frequencies
   (c) audio extensions                     (d) voice noise

**15.** Which of the following devices send data signals using infrared signals ?

(a)                                          (b)

(c)                                          (d)

**16.** An effect that can be used in making illusion of 3D perspective in MS Paint
   (a) Skew                                 (b) Flip
   (c) Rotate                               (d) Stretch

**17.** ......................... is used to select any irregularly shaped part of the picture.
   (a) Free - Form Select                   (b) Select
   (c) Fill with color                      (d) Eraser

**18.** The function of the given tool is



(a) magnifies or zooms in on an area of an image.

(b) enables you to draw a text box to add typed words to an image.

(c) draws a thin free form line.

(d) draws a rectangle with rounded corners in an image.

**19.** ……………………… key combination is used to decrease the size of shape, brush, line.

(a) Ctrl + -                                (b) Ctrl + +

(c) Alt + X                                (d) Ctrl + U

**20.** ……………………… are used to align the object in an image.

(a) Gridlines                           (b) Ruler

(c) Thumbnail                        (d) None of these

**21.** Which of the following options aligns text to both left and right margins and creates a clean look on the page?

(a) Justify the text                 (b) Add borders around the text

(c) Center align the text        (d) Add outline in the document

**22.** The following device is



(a) used to read the bar code given on items.

(b) used to read the marking done in an OMR sheet.

(c) used to input text and pictures in the computer.

(d) used to draw pictures on the screen.

**23.** Which of the following statements is true?

(a) Website is a collection of related web pages.

(b) Internet Service Providers provide connections to the Internet.

(c) Skype and G-talk are popular chat software.

(d) All of the above

**24.** Identify the name of the given networking device.



(a) Bridge                                   (b) Router

(c) Repeater                             (d) Switch

**25.** .................. is an app that lets students write their notes while recording a lecture and syncs the notes with the audio.



(a) Notability                           (b) Asona

(c) Puck                                  (d) Twoodu

**26.** Cloud computing service is provided by

(a) Cloud Service Providers           (b) Internet Service Providers

(c) Network Service Providers       (d) Cyber Service Providers

**27.** Which generation of computers can think like human beings?

(a) Fourth                                 (b) Second

(c) Third                                   (d) Fifth

**28.** Which part of memory unit is permanent?

(a) Primary memory                   (b) Secondary memory

(c) Volatile memory                   (d) All of these

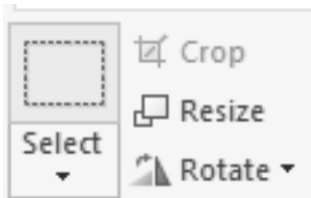**29.** Which of the following is/are the special keys?

(a) F3                                      (b) →

(c) Ctrl                                    (d) All of these

**30.** Which of the following is a function of e-commerce?

(a) Online banking

(b) Social networking

(c) Online buying and selling of goods and services

(d) All of the above

**31.** Which tab do you use to insert images into your presentation?

(a) Insert tab

(b) Design tab

(c) Home tab

(d) Review tab

**32.** Find the odd one out.

(a) OpenOffice Impress

(b) Canva

(c) Prezi

(d) Zoho Sheets

**33.** What is the keyboard shortcut to insert a new slide and close a presentation?

(a) Insert new slide → Ctrl+M, Close a presentation → Ctrl+F4

(b) Insert new slide → Ctrl+N, Close a presentation → Ctrl+F3

(c) Insert new slide → Ctrl+M, Close a presentation → Ctrl+F1

(d) Insert new slide → Ctrl+O, Close a presentation → Ctrl+F2

**34.** What does the slider on the status bar do?

(a) It increases the font size of the slide.

(b) It scrolls the screen up and down.

(c) It only increases size of pictures on the slide.

(d) It increases the display area of a slide.

**35.** Select the incorrect match.

(a) Spam – Junk e-mail sent to large number of recipients.

(b) Inbox – Newly arrived e-mails.

(c) Labels – Organize message in categories.

(d) Bounce – E-mail message sent to more than one e-mails receivers.

**36.** In which of the following groups, the given options belong to MS Paint?



(a) Tools group

(b) Image group

(c) Clipboard group

(d) Colors group

**37.** Scratch is a programming language developed by which of the following organizations?

(a) Microsoft

(b) Google

(c) Apple

(d) MIT

**38.** Which of the following is the Scratch block used to create a repeating loop that executes a set of blocks multiple times?

(a) Repeat

(b) If

(c) Forever

(d) Switch

**39.** Which of the following features in Scratch allows users to control the background of their projects and switch between different backgrounds during runtime?

(a) Sprites　　　　　　　　　　　　(b) Costumes

(c) Backdrops　　　　　　　　　　　(d) Sounds

**40.** What is the main purpose of multimedia technology in a computer system?

(a) To process text.

(b) To process numerical data.

(c) To process and present audio, video, images and animation in a way that is both interactive and engaging.

(d) To connect the computer to the internet.

# Section-B (2 Marks each)

**41.** Arrange the given tabs in the chronological order they appear in MS Word 2016 interface.

　I. Insert　　　　　　　　　　　　II. Review

III. Mailings　　　　　　　　　　IV. View

　V. References

**Codes**

(a) I, III, IV, II, V　　　　　　　　(b) III, I, IV, II, V

(c) II, I, IV, III, V　　　　　　　　(d) I, V, III, II, IV

**42.** Which of the following statements hold(s) true about the term 'General Purpose Software'.

　I. The software developed for generic applications, to cater to a bigger audience.

　II. Spreadsheet tool Calc of LibreOffice can be used by any computer user to do calculation or to create account sheet.

**Codes**

(a) Only I　　　　　　　　　　　　(b) Only II

(c) Both I and II　　　　　　　　　(d) Neither I nor II

**43.** Identify the correct difference(s) between System Software and Application Software.

| | System Software | Application Software |
|---|---|---|
| I. | Generally, users do not interact with system software as it works in the background. | Users always interact with application software while doing different activities. |
| II. | Examples are MS Office, MySQL, Adobe Photoshop, etc. | Examples are Linux, DOS, Microsoft Windows, etc. |

**Codes**

(a) Only I　　　　　　　　　　　　(b) Only II

(c) Both I and II　　　　　　　　　(d) Neither I nor II

**44.** Which of the following statements is/are correct about the given device?



    I. It is a digital optical disc storage media.

    II. It can be written once and read many times.

    III. It uses UV rays technology to read data.

**Codes**

(a) Only I      (b) II and III      (c) I and II      (d) All of these

**45.** Which of the following statements is/are false?

    I. In Excel, a formula sometimes begins with = (equal to) symbol.

    II. A formula is a mathematical equation involving numbers, values, operators and cell addresses for performing calculations on worksheets.

    III. Various mathematical operators are used in MS Excel.

    IV. The symbol '^' is called Asterisk.

**Codes**

(a) Only I                (b) I, II, III and IV

(c) I and III          (d) I and IV

**46.** A user is experiencing slow performance on their Windows 10 device. They want to optimize their system and improve performance. Which of the following is a recommended step(s) to improve performance?

    I. Disabling unnecessary startup programs.

    II. Removing unused apps and files.

    III. Running a disk cleanup and disk defragmentation.

    IV. Changing the device's virtual memory settings.

**Codes**

(a) Only I      (b) I and IV      (c) I, II and III      (d) III and IV

**47.** Match the following lists.

| | List I | | List II |
|---|---|---|---|
| A. | Ctrl+S keys | 1. | To insert a new slide |
| B. | Ctrl+O keys | 2. | To save a presentation |
| C. | F5 key | 3. | To create a new presentation |
| D. | Ctrl+M keys | 4. | To view the slide show |
| E. | Ctrl+N keys | 5. | To open an existing presentation |

**Codes**

| | A | B | C | D | E | | | A | B | C | D | E |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| (a) | 2 | 3 | 5 | 1 | 4 | | (b) | 4 | 2 | 1 | 3 | 5 |
| (c) | 2 | 5 | 4 | 1 | 3 | | (d) | 2 | 1 | 4 | 3 | 5 |

**48.** Match the following blocks of Scratch with their functions.

| | List I | | List II |
|---|---|---|---|
| A. | "move (10) steps" | 1. | change the costume of the sprite |
| B. | "when space key pressed" | 2. | make the sprite move left or right |
| C. | "next costume" | 3. | run a set of commands in order |

**Codes**

| | A | B | C | | | A | B | C |
|---|---|---|---|---|---|---|---|---|
| (a) | 2 | 3 | 1 | | (b) | 3 | 2 | 1 |
| (c) | 3 | 1 | 2 | | (d) | 2 | 1 | 3 |

**49.** Match the following features of Windows 10 with their descriptions.

| | List I | | List II |
|---|---|---|---|
| A. | Cortana | 1. | tool for managing virtual desktops |
| B. | Task View | 2. | voice-activated personal assistant |
| C. | Snap Assist | 3. | feature for easily arranging windows side-by-side |

**Codes**

| | A | B | C | | | A | B | C |
|---|---|---|---|---|---|---|---|---|
| (a) | 2 | 3 | 1 | | (b) | 3 | 2 | 1 |
| (c) | 3 | 1 | 2 | | (d) | 2 | 1 | 3 |

**50.** Match the following types of network with their descriptions.

| | List I | | List II |
|---|---|---|---|
| A. | LAN | 1. | network that covers a large geographical area |
| B. | WAN | 2. | network that covers a single building or campus |
| C. | MAN | 3. | network that connects computers across different geographic locations |

**Codes**

| | A | B | C | | | A | B | C |
|---|---|---|---|---|---|---|---|---|
| (a) | 2 | 3 | 1 | | (b) | 3 | 2 | 1 |
| (c) | 3 | 1 | 2 | | (d) | 2 | 1 | 3 |

# OMR SHEET

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1** | ⓐ | ⓑ | ⓒ | ⓓ | **2** | ⓐ | ⓑ | ⓒ | ⓓ | **3** | ⓐ | ⓑ | ⓒ | ⓓ | **4** | ⓐ | ⓑ | ⓒ | ⓓ |
| **5** | ⓐ | ⓑ | ⓒ | ⓓ | **6** | ⓐ | ⓑ | ⓒ | ⓓ | **7** | ⓐ | ⓑ | ⓒ | ⓓ | **8** | ⓐ | ⓑ | ⓒ | ⓓ |
| **9** | ⓐ | ⓑ | ⓒ | ⓓ | **10** | ⓐ | ⓑ | ⓒ | ⓓ | **11** | ⓐ | ⓑ | ⓒ | ⓓ | **12** | ⓐ | ⓑ | ⓒ | ⓓ |
| **13** | ⓐ | ⓑ | ⓒ | ⓓ | **14** | ⓐ | ⓑ | ⓒ | ⓓ | **15** | ⓐ | ⓑ | ⓒ | ⓓ | **16** | ⓐ | ⓑ | ⓒ | ⓓ |
| **17** | ⓐ | ⓑ | ⓒ | ⓓ | **18** | ⓐ | ⓑ | ⓒ | ⓓ | **19** | ⓐ | ⓑ | ⓒ | ⓓ | **20** | ⓐ | ⓑ | ⓒ | ⓓ |
| **21** | ⓐ | ⓑ | ⓒ | ⓓ | **22** | ⓐ | ⓑ | ⓒ | ⓓ | **23** | ⓐ | ⓑ | ⓒ | ⓓ | **24** | ⓐ | ⓑ | ⓒ | ⓓ |
| **25** | ⓐ | ⓑ | ⓒ | ⓓ | **26** | ⓐ | ⓑ | ⓒ | ⓓ | **27** | ⓐ | ⓑ | ⓒ | ⓓ | **28** | ⓐ | ⓑ | ⓒ | ⓓ |
| **29** | ⓐ | ⓑ | ⓒ | ⓓ | **30** | ⓐ | ⓑ | ⓒ | ⓓ | **31** | ⓐ | ⓑ | ⓒ | ⓓ | **32** | ⓐ | ⓑ | ⓒ | ⓓ |
| **33** | ⓐ | ⓑ | ⓒ | ⓓ | **34** | ⓐ | ⓑ | ⓒ | ⓓ | **35** | ⓐ | ⓑ | ⓒ | ⓓ | **36** | ⓐ | ⓑ | ⓒ | ⓓ |
| **37** | ⓐ | ⓑ | ⓒ | ⓓ | **38** | ⓐ | ⓑ | ⓒ | ⓓ | **39** | ⓐ | ⓑ | ⓒ | ⓓ | **40** | ⓐ | ⓑ | ⓒ | ⓓ |
| **41** | ⓐ | ⓑ | ⓒ | ⓓ | **42** | ⓐ | ⓑ | ⓒ | ⓓ | **43** | ⓐ | ⓑ | ⓒ | ⓓ | **44** | ⓐ | ⓑ | ⓒ | ⓓ |
| **45** | ⓐ | ⓑ | ⓒ | ⓓ | **46** | ⓐ | ⓑ | ⓒ | ⓓ | **47** | ⓐ | ⓑ | ⓒ | ⓓ | **48** | ⓐ | ⓑ | ⓒ | ⓓ |
| **49** | ⓐ | ⓑ | ⓒ | ⓓ | **50** | ⓐ | ⓑ | ⓒ | ⓓ | | | | | | | | | | |

# Answers

**1.** (c) Central Processing Unit(CPU)

**2.** (a) Hard Disk Drive (HDD)

**3.** (d) Cache Memory

**4.** (b) Supercomputers

**5.** (a) a byte is larger than a bit.

**6.** (d) Central Processing Unit (CPU)

**7.** (b) Application Software

**8.** (c) Printer

**9.** (c ) to store large amounts of data permanently.

**10.** (c) capture still images and video.

**11.** (a) by file extension

**12.** (a) Sound / audio / music files

**13.** (d) All of these

**14.** (b) audio frequencies

**15.** (b)



**16.** (a) Skew

17. (a) Free - Form Select
18. (b) enables you to draw a text box to add typed words to an image.
19. (a) Ctrl + -
20. (a) Gridlines
21. (a) Justify the text
22. (a) used to read the bar code given on items.
23. (d) All of the above
24. (b) Router
25. (a) Notability
26. (a) Cloud Service Providers
27. (d) Fifth
28. (b) Secondary memory
29. (d) All of these
30. (c) Online buying and selling of goods and services
31. (a) Insert tab
32. (d) Zoho Sheets
33. (a) Insert new slide → Ctrl+M, Close a presentation→ Ctrl+F4
34. (d) It increases the display area of a slide.
35. (d) Bounce – E-mail message sent to more than one e-mails receivers.
36. (b) Image group
37. (d) MIT
38. (a) Repeat
39. (c) Backdrops
40. (c) To process and present audio, video, images and animation in a way that is both interactive and engaging.
41. (d) I, V, III, II, IV
42. (c) Both I and II
43. (a) Only I
44. (c) I and II
45. (d) I and IV
46. (c) I, II and III
47. (c) A-2, B-5, C-4, D-1, E-3
48. (a) A-2, B-3, C-1
49. (d) A-2, B-1, C-3
50. (d) A-2, B-1, C-3