

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.** How can you add a new slide to an existing PowerPoint presentation in Microsoft PowerPoint 2016?
 - (a) Click on “New Slide” in the Home tab
 - (b) Right Click in the slide area and select “New Slide”
 - (c) Press “Ctrl + N”
 - (d) Press “Ctrl + M”

- 2.** What is the function of the SUM function in Microsoft Excel 2016?
 - (a) To calculate the average of a range of values.
 - (b) To count the number of cells in a range.
 - (c) To calculate the product of a range of values.
 - (d) To calculate the sum of a range of values.

- 3.** What is the default font in MS Word 2016?
 - (a) Times New Roman
 - (b) Arial
 - (c) Calibri
 - (d) Verdana

- 4.** What is the most common type of memory in a computer?
 - (a) Hard disk drive
 - (b) Random Access Memory (RAM)
 - (c) Read Only Memory (ROM)
 - (d) Flash memory

- 5.** What type of software controls the computer hardware and acts as an interface between hardware and other software?
 - (a) Application Software
 - (b) System Software
 - (c) Utility Software
 - (d) Gaming Software

- 6.** When was the first electronic computer invented?
 - (a) 1941
 - (b) 1951
 - (c) 1961
 - (d) 1971

- 7.** What type of hardware device is used for permanent storage of data?
 - (a) RAM
 - (b) CPU
 - (c) Hard disk drive
 - (d) Graphics card

- 8.** What type of software is used for managing and organizing email?
 - (a) Email client software
 - (b) Graphics software
 - (c) Database software
 - (d) Spreadsheet software

- 9.** is the feature in Windows 10 that allows you to snap windows to the sides of the screen called.
 - (a) Snap Assist
 - (b) Snap to Edge
 - (c) Snap Window
 - (d) Snap Desktop

- 10.** The file extension for a QBASIC program is
 - (a) .qb
 - (b) .qbs
 - (c) .bas
 - (d) .qbasic

- 11.** What protocol is used for routing IP packets between networks?
 - (a) HTTP
 - (b) FTP
 - (c) TCP
 - (d) OSPF

- 12.** What is the purpose of a firewall in a network?
(a) To provide network security (b) To provide network connectivity
(c) To provide network management (d) To provide network optimization
- 13.** What is the term used to describe a type of software that is designed to spread from one computer to another, replicating itself in the process?
(a) Virus (b) Worm (c) Trojan (d) Spyware
- 14.** What is the term used to describe the process of using artificial intelligence and machine learning to analyze large amounts of data in real-time?
(a) Data Warehousing (b) Data Mining
(c) Big Data Analytics (d) Predictive Analytics
- 15.** Which of the following is not a type of computer peripheral?
(a) Mouse (b) Keyboard (c) Processor (d) Monitor
- 16.** What type of page layout is best suited for a letter or a formal document in MS Word 2016?
(a) Portrait (b) Landscape (c) Page Borders (d) Columns
- 17.** What type of chart would you use to compare the sales of different products in MS Excel 2016?
(a) Pie Chart (b) Line Chart (c) Bar Chart (d) Scatter Chart
- 18.** Which of the following was the first computer to use vacuum tubes as a means of computation?
(a) Colossus (b) UNIVAC I (c) ENIAC (d) Harvard Mark I
- 19.** Adam's computer has been running slow lately and he has noticed a number of pop-up ads appearing on his screen. What type of malware might be causing this problem?
(a) Adware (b) Spyware (c) Ransomware (d) Worms
- 20.** What is the purpose of the IF function in Microsoft Excel 2016?
(a) To perform a mathematical calculation
(b) To compare values and return a result based on the evaluation
(c) To sort data
(d) To merge cells
- 21.** How can you add an image to a PowerPoint slide in Microsoft PowerPoint 2016?
(a) Click on 'Picture' in the Insert tab
(b) Right Click in the slide area and select 'Picture'
(c) Press 'Ctrl + Shift + P'
(d) Press 'Ctrl + P'
- 22.** How can you add a page border in MS Word 2016?
(a) File Menu (b) Home Tab (c) Insert Ttab (d) Page Layout Tab

- 23.** In MS Word 2016, how do you change the page orientation to landscape?
(a) Page Layout Tab → Orientation → Landscape
(b) Page Layout Tab → Page Setup → Landscape
(c) Home Tab → Orientation → Landscape
(d) Home Tab → Page Setup → Landscape
- 24.** In MS Excel 2016, what is the shortcut key to insert a chart in a worksheet?
(a) Alt + F1
(b) Ctrl + Shift + F1
(c) Ctrl + Alt + F1
(d) Alt + Shift + F1
- 25.** What is the term used to describe the use of Natural Language Processing (NLP) and other artificial intelligence technologies to create more human-like interactions with computers and digital devices?
(a) Chatbots
(b) Virtual Assistants
(c) Voice-activated Interfaces
(d) Natural Language Interfaces
- 26.** What is the term used to describe the process of converting analog signals into digital signals?
(a) Sampling
(b) Modulation
(c) Demodulation
(d) Encoding
- 27.** What is the primary purpose of a virus in a computer system?
(a) To enhance performance
(b) To provide security
(c) To damage or disrupt the system
(d) To add new features
- 28.** Which of the following is not an example of an IoT device?
(a) Smart Thermostat
(b) Smart Watch
(c) Microsoft Word
(d) Smart Door Lock
- 29.** Find the odd one out.
(a) Smart Thermostat
(b) Smart Watch
(c) Microsoft Word
(d) Smart Door Lock
- 30.** In MS Excel 2016, what is the shortcut key to insert a new worksheet in a workbook?
(a) Ctrl + Shift + N
(b) Ctrl + N
(c) Ctrl + Shift + T
(d) Ctrl + T
- 31.** What is the default data type in QBASIC?
(a) Integer
(b) Long Integer
(c) Float
(d) String
- 32.** What is the command used in QBASIC to declare a variable?
(a) DEFINE
(b) DECLARE
(c) VAR
(d) DIM
- 33.** What is the term used to describe a type of virus that attaches itself to a legitimate program, hiding its malicious activities?
(a) Worm
(b) Trojan
(c) Rootkit
(d) Adware

- 34.** What is the term used to describe a global network of computers connected by a common communication protocol, allowing the exchange of information and data?
 (a) Intranet (b) Extranet
 (c) Internet (d) Intercloud
- 35.** is the term used to describe a type of malware that is designed to gather information about a user and send it to a third party.
 (a) Spyware (b) Adware
 (c) Ransomware (d) Keylogger
- 36.** What was the first commercially available computer to use a microprocessor?
 (a) Intel 4004 (b) Intel 8008
 (c) Intel 8080 (d) MOS Technology 6502
- 37.** Tom's computer has been displaying a message on the screen, demanding payment in exchange for unlocking his files. What type of malware might be responsible for this situation?
 (a) Ransomware (b) Adware
 (c) Spyware (d) Worm
- 38.** Find the odd one out.
 (a) Bar chart (b) Pie chart
 (c) Line chart (d) Map chart
- 39.** What is the maximum number of characters that can be entered in a single cell in Microsoft Excel 2016?
 (a) 32,000 characters (b) 65,536 characters
 (c) 1 million characters (d) 10 million characters
- 40.** What was the first personal computer called?
 (a) IBM PC (b) Apple II
 (c) Commodore 64 (d) TRS-80

Section-B (2 Marks each)

- 41.** Which of the following statements are true about the purpose of Track Changes in MS Word 2016?
- I. To keep a record of changes made to a document.
 - II. To apply multiple changes at once.
 - III. To revert to the original document.
 - IV. To format a document.
- Codes**
- (a) Only I (b) I and II
 (c) II and III (d) I, II and IV

42. Which of the following is used to create a table of contents in MS Word 2016?

- I. Go to the 'References' tab and click the 'Table of Contents' button.
- II. Right Click on the page and select 'Table of Contents'.
- III. Press 'Ctrl' + 'Shift' + 'T'.
- IV. Go to the 'Home' tab and click the 'Table of Contents' button.

Codes

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

43. Match the following AI-based technologies with their applications.

List I	List II
A. Natural Language Processing	1. Image recognition
B. Machine Learning	2. Speech recognition
C. Deep Learning	3. Predictive analytics

Codes

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

44. Match the following MS Excel 2016 features with their descriptions.

List I	List II
A. Pivot Table	1. Used for creating charts and graphs
B. Formulas	2. Used for summarizing and analyzing large amounts of data
C. Charts	3. Used for performing calculations on data in a spreadsheet

Codes

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

45. Match the following MS PowerPoint 2016 features with their descriptions.

List I	List II
A. Slides	1. Used for creating charts and graphs.
B. Animations	2. Used for organizing and presenting ideas in a visual format.
C. Charts	3. Used for adding visual effects to slides in a presentation.

Codes

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

46. Match the following network devices with their functions.

List I	List II
A. Router	1. Used for connecting computers to a Local Area Network.
B. Switch	2. Used for directing data packets to their destination on the internet.
C. Modem	3. Used for connecting a computer to the internet.
D. Hub	4. Used for connecting multiple devices to the same network.

Codes

A	B	C	D	A	B	C	D
(a) 3	2	1	4	(b) 2	4	3	1
(c) 2	3	1	4	(d) 4	3	1	2

47. What is the difference between the 'PRINT' and 'LPRINT' commands in QBASIC?

- (a) PRINT prints to the screen, while LPRINT prints to the printer.
- (b) PRINT prints text in color, while LPRINT prints text in black and white.
- (c) PRINT prints with a different font than LPRINT.
- (d) There is no difference between the two commands.

48. What is a compiler in the context of computer programming?

- I. A program that converts high-level language code into machine code
- II. A program that converts machine code into high-level language code
- III. A program that debug and test code
- IV. A program that automate repetitive tasks

Codes

- (a) Only I
- (b) I and IV
- (c) I, II and IV
- (d) All of these

49. How can you apply a predesigned theme to a PowerPoint presentation in Microsoft PowerPoint 2016?

- (a) Click on 'Themes' in the Design tab and select the desired theme
- (b) Right Click in the slide area and select 'Themes'
- (c) Press 'Ctrl + T'
- (d) Press 'Ctrl + Shift + T'

50. What is the term used to describe the integration of physical devices, vehicles, buildings and other items with electronics, software, sensors and internet connectivity?

- (a) The Internet of Things (IoT)
- (b) Artificial Intelligence (AI)
- (c) Virtual Reality (VR)
- (d) Augmented Reality (AR)

OMR SHEET

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

Answers

1. (a) Click on 'New Slide' in the Home tab
2. (d) To calculate the sum of a range of values
3. (c) Calibri
4. (b) Random Access Memory (RAM)
5. (b) System software
6. (a) 1941
7. (c) Hard disk drive
8. (a) Email client software
9. (a) Snap Assist
10. (c) .bas
11. (d) OSPF
12. (a) To provide network security
13. (b) Worm
14. (c) Big Data Analytics
15. (c) Processor
16. (a) Portrait
17. (c) Bar Chart
18. (c) ENIAC
19. (a) Adware

- 20.** (b) To compare values and return a result based on the evaluation
- 21.** (a) Click on 'Picture' in the Insert tab
- 22.** (d) Page Layout Tab
- 23.** (a) Page Layout Tab → Orientation → Landscape
- 24.** (a) Alt + F1
- 25.** (b) Virtual Assistants
- 26.** (b) Modulation
- 27.** (c) To damage or disrupt the system
- 28.** (c) Microsoft Word
- 29.** (c) Microsoft Word
- 30.** (a) Ctrl + Shift + N
- 31.** (a) Integer
- 32.** (d) DIM
- 33.** (b) Trojan
- 34.** (c) Internet
- 35.** (a) Spyware
- 36.** (b) Intel 8008
- 37.** (a) Ransomware
- 38.** (d) Map chart
- 39.** (b) 65,536 characters
- 40.** (b) Apple II
- 41.** (a) Only I
- 42.** (d) All of these
- 43.** (a) A-2, B-3, C-1
- 44.** (d) A-2, B-3, C-1
- 45.** (c) A-2, B-3, C-1
- 46.** (b) A-2, B-4, C-3, D-1
- 47.** (a) PRINT prints to the screen, while LPRINT prints to the printer
- 48.** (a) Only I
- 49.** (a) Click on 'Themes' in the Design tab and select the desired theme
- 50.** (a) The Internet of Things (IoT)