

Please check the examination details below before entering your candidate information

Candidate Name

Class

Section

BLOOM Computer Olympiad (BCO)

Question Paper 2024-25

Class
8

Total Questions: **50+5** (Tie-Breaking Section)


Total Time Allotted : 60 minutes

Total Marks : 60

Instructions

1. There are **50 Multiple Choice Questions** in this booklet having 4 options out of which **ONLY ONE** is correct.
2. There are two sections in the Question Paper; **Section A** having 40 Questions carrying 1 Mark each & **Section B** having 10 Higher Difficulty Order Questions carrying 2 Marks each.
3. All questions are compulsory. There is **NO negative** marking for incorrect answers.
4. Total time allotted to complete the paper is 60 minutes.
5. Please fill in your details in the space provided on this page before attempting the paper.

OMR Sheet Instructions

1. Before starting the paper, fill in all the details in the OMR Sheet.
2. Additional 10 minutes will be provided to fill up the OMR sheet, before the start of the exam.
3. Use HB Pencil to darken the circle of the correct Option in OMR sheet. The correct way to darken the circle in OMR sheet is shown below.

4. Use black or blue ball point pen/HB pencil to fill the information in the OMR sheet. Partially filled OMR sheet will not be checked.
5. Return the OMR sheet to the invigilator after the exam.

CODE#165

Com8



BLOOM CAP
Founded by |  **arihant**

Bloom Computer Olympiad Class 8

Section A (1 Mark)

1. Fill in the blank:

The microprocessor of a computer cannot operate on any information that is not present in its _____.

- (a) secondary storage
- (b) main storage
- (c) ALU
- (d) logic unit

2. The common boundary present between two systems is known as

- (a) Interface
- (b) Program
- (c) PC
- (d) None of these

3. The main system board of a computer is called the

- (a) integrated circuit
- (b) motherboard
- (c) processor
- (d) microchip

4. Which of the following refers to too much electricity and may cause a voltage surge ?

- (a) Anomaly
- (b) Shock
- (c) Spike
- (d) Virus

5. ENIAC is an example of first generations computers, what is the full form of ENIAC?

- (a) Electronic Numerical Computer
- (b) Electro-magnetic Numerical Calculator
- (c) Electronic Numerical Integrator And Computer
- (d) Electronic Numerical Integrated Calculator

6. A _____ is a software that manages the time of a microprocessor to ensure that all time-critical events are processed as efficiently as possible. This software allows the system activities to be divided into multiple independent elements called tasks.

- (a) Kernel
- (b) Shell
- (c) Processor
- (d) Device Driver

7. While surfing the net, we use bookmark option to refer to the site that we like and wants to view in future. What is the other name for bookmark on the internet?

- (a) Favourite
- (b) Likes
- (c) History
- (d) Marker

8. In Flash, the individual timeline elements that make up the animation is known as _____. When the content in them changes, it gives the appearance of an animation.

- (a) Snaps
- (b) Wireframes
- (c) Frames
- (d) Windows

9. People who obtain unauthorized access to someone else's computer system in a network or internet through skills or detailed knowledge are known as?

- (a) Hactivist
- (b) Hackers
- (c) Malware
- (d) Both (a) and (b)

10. What are the following is not a type of motion used for MS PowerPoint animation?

- (a) Design View and Insert View
- (b) Design View and Select View
- (c) Datasheet View and Insert View
- (d) Datasheet View and Design View

11. Which of the following is a characteristic of an operating system?

- (a) It provides the user interface
- (b) It enables software applications to interact with hardware
- (c) It manages hardware resources
- (d) All of the above

12. _____ is the most efficient printer for office use.

- (a) Laser printer
- (b) Plotter
- (c) Thermal printer
- (d) Inkjet printer

13. The place in a computer where accessories are connected is known as:

- (a) Pin
- (b) Port
- (c) Interface
- (d) Bus

14. Hardware includes?

- (a) Instruction sets that a computer runs or executes
- (b) all devices involved processing information including the central processing unit, memory, and storage
- (c) The computer and all the devices connected to it that are used to input and output data
- (d) all devices used to input data into a computer

15. The blank space outside the printing area on a page is known as?

- (a) Margin
- (b) Layout
- (c) Line spacing
- (d) Orientation

16. The ability provided by MS Word to combine name and addresses with a standard document is called _____

- (a) Database Management
- (b) Mail Merge
- (c) Data Formatting
- (d) Letters

17. What do you understand by gutter margin?

- (a) Margin that is added to the right margin when printing
- (b) Margin that is added to the left margin when printing
- (c) Margin that is added to the outside of the page when printing
- (d) Margin that is added to the binding side of the page when printing

18. How will you remove borders applied in cells in MS Excel?

- (a) Open the list on Border tool in Format cell toolbar then choose first tool(none)
- (b) Choose None on Border tab of Format cells
- (c) Both (a) and (b)
- (d) None of the above

19. Select the incorrect statement out of the given.

Statement 1 Pictures can be applied as a background of a sheet.

Statement 2 You can set the column width automatically fit the amount of text.

Statement 3 The width of a row can be specified manually or it automatically.

- (a) Statement 1 is incorrect
- (b) Statement 3 is incorrect
- (c) Both Statements 1 and 2 are incorrect
- (d) Statement 2 is incorrect

20. Which of the following is not available as a category in Control Panel of Windows 10?

- (a) System and Security
- (b) Network and Internet
- (c) Bluetooth Settings
- (d) Ease of Access

21. Which of the following allows you to create a new presentation and open an existing presentation?

- (a) Place holders
- (b) Slide pane
- (c) Task pane
- (d) Task manager

22. In MS Access, which object is used to retrieve specific data by filtering the records?

- (a) Form
- (b) Report
- (c) Query
- (d) Table

23. In HTML we use the tag to apply bold effect on a text. Which of the following other tags we can use to make text bold on a webpage?

- (a) <Bold>
- (b)
- (c) <Emp>
- (d) <Dark>

24. To specify background color of the document we use..... attribute of <body> tag.

- (a) Background
- (b) Bgcolor
- (c) Color
- (d) BackgroundColor

25. Which of the following statement is true regards Flash CS6?

- (a) It is used for creating digital animation, rich web applications, websites, movies, etc.
- (b) Flash is a multimedia platform
- (c) It is used for making games such as Pac Man.
- (d) All of the above

26. In Flash CS6 the area where the movie is created using graphic, text and video clips is known as:

- (a) Toolbox
- (b) Text Area
- (c) Stage
- (d) Movie Stage

27. Which of the following is a video telephony and VoIP software application, developed by Apple Inc.?

- (a) Facebook (b) Whatsapp
(c) Face Time (d) Skype

28. Identify the following.

- I am a social networking website, for people in professional occupations.
- My CEO is Jeff Weiner.
- I am mainly used for professional networking.

- (a)  (b) 
(c)  (d) 

29. What happens to your friend's computer when you send him a virus infected file through e-mail?

- (a) It will not be affected by the virus.
(b) We cannot send infected files through e-mail.
(c) It will be infected by the virus.
(d) My friend cannot receive the file through e-mail.

30. The viruses that keep changing their appearances to avoid detection are known as?

- (a) Worm (b) Trojan Horse
(c) Malware (d) Polymorphic viruses

31. Identify the MS Excel predefined function with the help of the description given below:

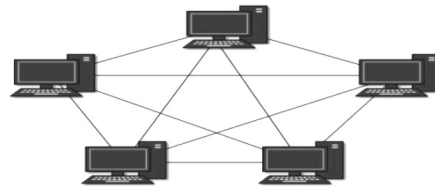
This function counts the cells containing any type of information, including error values and empty text(""). For example, if the range contains a formula that returns an empty string, the function counts that value. But this function will not count empty cells.

- (a) COUNTIF() (b) COUNTIFS()
(c) COUNT() (d) COUNTA()

32. Which of the following tasks is not done by cyber criminals?

- (a) Report vulnerability in any system
(b) Unauthorized account access
(c) Mass attack using malwares
(d) E-mail spoofing

33. The networking topology shown in the given figure is known as.....



- (a) Star Topology (b) Mesh Topology
(c) Ring Topology (d) Hybrid Topology

34. Flash was developed by:

- (a) Jonathan Gay (b) Raymond Taylor
(c) John McCarthy (d) Tim Burners Lee

35. For embedding CSS in an HTML document, which of the following tags is used?

- (a) <HTML> (b) <DOCTYPE>
(c) <CSSEMBD> (d) <Style>

36. What will be the binary equivalent of the octal number 705?

- (a) 111000101 (b) 1010111
(c) 1110101 (d) None of these

37. In which of the following a person is continually followed/chased by the another person in a online environment?

- (a) Cyber Bullying (b) Phishing
(c) Cyber Stalking (d) Identity Theft

38. ports connects special types of music instruments to sound cards.

- (a) BUS (b) UPS (c) KBD (d) MIDI

39. Which of the following statement is incorrect about ring topology?

- (a) Each node is connected in a circular loop
(b) Each node is directly connected with neighbour node.
(c) No termination point as no endpoint terminator is used
(d) Adding and removing a new node is easy

40. Such a device which convert data into impulses and transmitted it through terminal to computer or computer to terminal over telephone line, it is-

- (a) Magnetic disk (b) Microcomputer
(c) CD ROM (d) Modem

Section B (2 marks)

41. What will be the output of the given code snippet?

```
<body>
<ul>
<li>Mango</li>
<li>Apple</li>
<li>Orange</li>
</ul>
</body>
```

- (a) • Mango
• Apple
• Orange
- (b) i. Mango
ii. Apple
iii. Orange
- (c) ➤ Mango
➤ Apple
➤ Orange
- (d) 1. Mango
2. Apple
3. Orange

42. Match the following terms with their correct descriptions:

Column 1	Column 2
A. Tables	1. A single piece of data in a record.
B. Forms	2. A formatted printout or summary of data from the database.
C. Reports	3. A way to enter, modify and view records in a database.
D. Field	4. A collection of data organized in rows and columns.

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

43. Match the following

Network	Examples
A. PAN(personal area network)	1. wifi
B. WLAN(wireless local area network)	2. internet
C. WAN (wide area network)	3. bluetooth
D. MAN (metropolitan area network)	4. Cable T.V. network

Choose the correct option given below

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

44. Choose the correct statements regards MS PowerPoint.

Statement 1 PowerPoint allows you to add various animation effects in your presentation.

Statement 2 PowerPoint application is also compatible for Mac operating system.

- (a) Statement 1 is correct
(b) Statement 2 is correct
(c) Both Statements 1 and 2 are correct
(d) Neither Statement 1 nor Statement 2 is correct

45. **Assertion (A)** The UNIVAC-1 was the first commercially available computer.

Reason (R) The UNIVAC-1 was primarily used for scientific calculations.

- (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

46. Match the following

A. Collection of sequentially arranged slides.	(1) Themes
B. Feature of PowerPoint that creates sample slide show.	(2) Presentation
C. Set of predesigned formats.	(3) text box
D. Placeholder where you can enter your text.	(4) Template

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

47. Select the incorrect statements out of the given.

- The kernel is the core part of the operating system that manages system resources.
- Windows, Linux and Unix are examples of application softwares.
- In command line interface, users interact with the operating system through graphical icons.

4. The operating is responsible for memory management, including allocation and deallocation of memory.

- (a) Only 1 is incorrect
- (b) Both 2 and 3 are incorrect
- (c) Only 3 is incorrect
- (d) Both 2 and 4 are incorrect

48. Match the following.

A. Private network mainly used by an organization.	1. Internet
B. Used by an organization to provide external communication.	2. Extranet
C. Public network use to connect different networks.	3. Intranet

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

49. **Assertion(A)** The tag in HTML is used to display images on the web page.

Reason (R) The tag requires a closing tag to function properly.

- (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

50. Which of the given statement is true regards Flash CS6?

- 1. Flash CS6 cannot be used to create mobile applications.
- 2. Flash CS6 provides tools for creating 3D animation and effects.
- 3. Flash CS6 is primarily used for creating vector-based animations and interactive content for web pages.

- (a) Only 1 is true
- (b) Both 1 and 2 is true
- (c) Both 2 and 3 are true
- (d) None of the given statements are true

Tie-Breaking Section

Instructions

- 1. This section consists of 5 questions.
- 2. The score achieved in this section will not be included in the total marks.
- 3. If overall marks of two or more students are same, winner will be decided based on the score in this section.
- 4. Participation in this section is optional and students may choose to attempt it or not.

1. Which of the following statements is/are incorrect about 'Linux is considered very safe Operating System'?

- I. A powerful firewall and encryption technology makes Linux almost virus free.
- II. There is a 'root' level access rights (relate with 'administrator' in any OS) which are not given to any normal user.
Users are given access only to lower level accounts with limited access.

III. By regular release of patches for Linux Kernel, users can upgrade their Kernel to keep it stable and secure.

IV. Linux is a single-user operating system that's why it is more secure.

Codes

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

2. Identify the correct statement(s) about positional number system.

- I. The value of the base determines the total number of different symbols or digits available in the number system.
- II. The maximum value of a single digit is always equal to one less than the value of the base.

Codes

- (a) Only I
- (b) Only II
- (c) Both I and II
- (d) Neither I nor II

3. Match the following lists.

List I	List II
A. Ctrl+Shift+\$	1. To select all the cells above the selected cells.
B. Alt + Q	2. To add a border.
C. Ctrl + Shift + Up Arrow	3. To go to tell me what you want to do.
D. Ctrl + Shift + _	4. To remove outline border.
E. Alt + H + B	5. To apply the currency format.

Codes

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

4. I want to display a poem on browser in following format, using HTML

```
<html><head> </head>
<body>
<p>
```

Are you Sleeping Are you Sleeping.

Brother John Brother John.

Morning bells are ringing.

Ding Dang Dong.

```
</p> </body>
</html>
```

But whenever I use <p> tag to display poem all the extra spaces automatically get removed. There is a tag that defines preformatted text and preserves both spaces and line breaks. What is that tag?

- (a)
- (b) <pre>
- (c)
- (d) <hr>

5. Nivedita has recently shifted to new city and new school. She does not know many people in her new city and school.

But all of a sudden, someone is posting negative, demeaning comments on her social networking profile, school site's forum etc.

What do you think is happening with Nivedita?

- (a) Cyber stalking
- (b) Cyber bullying
- (c) Both (a) and (b)
- (d) None of the above

