

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 Mark each)

1. The process of producing results from the data for getting useful information is called as
(a) output (b) input
(c) processing (d) storage
2. The default frame rate in Flash is fps.
(a) 18 (b) 24
(c) 30 (d) 36
3. Which one of the following is true about arguments and parameters?
(a) Arguments appear in Call statements; parameters appear in Sub statements.
(b) Parameters appear in Call statements; arguments appear in Sub statements.
(c) They are synonymous terms.
(d) They are completely unrelated in a program.
4. I go to add a script to my character and find that my blocks have disappeared. Why is this?
(a) Scratch malfunctioned
(b) I have stage selected
(c) I have the wrong program open
(d) I have exceeded the block limit
5. Given here is a hyperlink: www.priceworld.org. Which key should you press to follow the hyperlink to go to the actual web page shown by the hyperlink?
(a)  + right click the mouse
(b)  + left click the mouse
(c)  + left click the mouse
(d)  + right click the mouse
6. In MS Excel 2016 use of formula palette for
(a) format cells containing numbers.
(b) entered assumptions data.
(c) copy a range of cells.
(d) create and edit formulas containing functions.
7. It was a digital mechanical calculator which was called the as instead of gears it was made of fluted drums.
(a) Stepped Reckoner (b) Pascaline
(c) Analytical Engine (d) Napier Bone

8. Internet access by transmitting digital data over the wires of a local telephone network is provided by
- (a) leased line
 - (b) digital subscriber line
 - (c) digital signal line
 - (d) None of these
9. Reena is preparing a presentation. She wants some text present on a slide to fly in from the left, when she clicks the mouse. Which of the following features should she use?
- (a) Slide Show
 - (b) Custom Animation
 - (c) Slide transaction
 - (d) Text transaction
10. reduces the Kernel code size and increases the security.
- (a) Micro Kernel
 - (b) Monolithic Kernel
 - (c) Both (a) and (b)
 - (d) None of these
11. Software commonly known as programs that consist of
- (a) Hardware
 - (b) Input Device
 - (c) Output Device
 - (d) Instruction
12. What will be the Hexadecimal representation of the following binary number?
bina1101011.10101
- (a) 6F.A8
 - (b) 6F.A81
 - (c) 6F.98
 - (d) 6F.A8
13. Which value for x would make the following condition true: $(x \geq 5)$ And $(x \leq 6)$?
- (a) x is equal to 7
 - (b) x is equal to 5
 - (c) x is equal to 5.001
 - (d) Both (a) and (c)
14. What is the syntax of OL tag with TYPE attribute?
- (a) `<OL TYPE="/a/A/i/r>`
 - (b) `OL TYPE="square">`
 - (c) `<OL TYPE="disc">`
 - (d) `<OL TYPE="circle">`
15. Which of the following precedence order is correct in Python?
- (a) Parentheses, Exponential, Multiplication, Division, Addition, Subtraction
 - (b) Multiplication, Division, Addition, Subtraction, Parentheses, Exponential
 - (c) Division, Multiplication, Addition, Subtraction, Parentheses, Exponential
 - (d) Exponential, Parentheses, Multiplication, Division, Addition, Subtraction
16. Press Animation effects allows you to
- (a) add clip art images to your slides.
 - (b) create a custom transition to the next slide.
 - (c) show bullet items as they are discussed.
 - (d) All of the above
17. A cyber-attack is an exploitation of computer systems and networks. Which of the following is a type of cyber-attack?
- (a) Web attack
 - (b) System attack
 - (c) Both (a) and (b)
 - (d) None of these

- 18.** What is SNOW_FOX?
- (a) Mobile phone
 - (b) Operating system
 - (c) Android App
 - (d) Android name
- 19.** The Basic Input Output System (BIOS) is stored in the
- (a) Read Only Memory
 - (b) Random Access Memory
 - (c) Cache Memory
 - (d) Secondary Memory
- 20.** Suppose a variable is passed by value to a parameter of a Sub procedure, and the parameter has its value changed inside the Sub procedure. Find what will the value of the variable be after the Sub procedure has executed?
- (a) It will have the newly modified value from inside the Sub procedure.
 - (b) It's value can't be determined without more information.
 - (c) It will retain the value it had before the call to the Sub procedure.
 - (d) None of the above
- 21.** Which of the following is a valid Visual Basic conditional statement?
- (a) $2 < n < 5$
 - (b) $2 < n \text{ Or } < 5$
 - (c) $2 < n \text{ Or } 5$
 - (d) $(2 < n) \text{ Or } (n < 5)$
- 22.** Which of the following function a user can perform using HTML?
- (a) With HTML, you can develop and publish documents and data with headings, text, tables, lists, hyperlinks, photos, etc., in static form.
 - (b) You can create forms for managing transactions, for use in searching the information, making reservations, ordering products, etc.
 - (c) With the commands or tags available in HTML you can add spreadsheets, video clips, sound clips, presentations and other applications directly in the web page.
 - (d) All of the above
- 23.** determines the distance of the paragraph from either the left or the right margin.
- (a) Gutter margin
 - (b) Mirror margin
 - (c) Indentation
 - (d) Footer
- 24.** Rehearse Timing command is present on tab.
- (a) Slide show
 - (b) Review
 - (c) View
 - (d) Animation
- 25.** Attack which uses a trial-and-error method. This attack generates many guesses and validates them to obtain actual data like user password and personal identification number.
- (a) Phishing
 - (b) Brute force
 - (c) Injection attack
 - (d) Session Hijacking
- 26.** Which is third generation computer?
- (a) IBM-360 series.
 - (b) Honeywell-6000 series.
 - (c) Both (a) and (b)
 - (d) None of these

- 27.** While downloading on the web the multimedia element, particularly videos in smaller windows.
(a) display (b) exhibit
(c) present (d) show
- 28.** allows you to make objects move in a more random or non-straight path.
(a) Gravity effect (b) Shape tween
(c) Masking (d) Guided layer
- 29.** Which of the following option is not a core data type in the python language?
(a) Dictionary (b) Lists
(c) Class (d) All of these
- 30.** To see the results of many different possible inputs at the same time, you should go to
(a) What-If Analysis → Data Table (b) Data Validation
(c) Consolidate (d) Remove Duplicates
- 31.** Out of the following, whom do you think is the most probable user of light pen?
(a) Computer Programmer (b) Graphic Designer
(c) Journalist (d) Scientist
- 32.** If you want to move a sprite forward you would choose?
(a) turn right 90° (b) set y to 0
(c) move 10 steps (d) print in direction 90°
- 33.** Asc("A") is 65. Find what is Asc("C")?
(a) 66 (b) 67
(c) 68 (d) "C"
- 34.** Which of the following topologies provide least or no data loss?
(a) Bus (b) Tree
(c) Hybrid (d) Ring
- 35.** The first Indian who became the CEO of Microsoft
(a) Vinod Khosla (b) Narayan Murthy
(c) K Radhakrishnan (d) Satya Nadella
- 36.** Which of the following communicates with the device through the computer bus?
(a) File system (b) Kernel
(c) Device driver (d) Peripheral
- 37.** Which of the following storage device can be used for storing large backup data?
(a) Floppy disk (c) Magnetic tape
(b) Hard disk (d) None of these

- 38.** Which of the following is the correct abbreviation of RAID?
 (a) Redundant Array of Independent Disks
 (b) Reliable Array of Independent Disks
 (c) Redundant Asset Increment Data
 (d) Reliable Aggravation of Immaculate Data
- 39.** Which device is used to convert the program written in assembly language into machine language?
 (a) Interpreter (b) Compiler
 (c) Assembler (d) None of these
- 40.** Which of the following methods cannot be used to enter data in a cell?
 (a) An Arrow key (b) The tab key
 (c) The Esc key (d) The enter button to the formula bar

Section-B (2 Marks each)

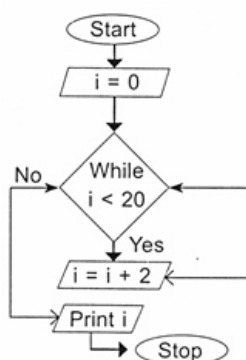
- 41.** Match the following Hexadecimal Numbers with their binary equivalents.

List I (Hexadecimal Number)	List II (Binary Number)
A. 79	1. 100101000
B. 128	2. 100010110
C. 116	3. 1111001
D. 86	4. 10000110

Codes

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

- 42.** Predict the output of the given flowchart.



- (a) 18 (b) 20
 (c) 22 (d) Loop will run infinitely

43. Which of the following statement is correct?

I. Primary storage is both volatile and non-volatile in nature.

II. When the computer is turned OFF, data and instructions stored in RAM are erased

Codes

(a) Only I

(b) Only II

(c) Both I and II

(d) Neither I nor II

44. Which of the following statements is correct?

I. Lines of code are correct. If age >= 13 And < 20 Then txtOutput.Text = "You are a teenager." End If.

II. If (x > y) Or (y > z) Then txtBox.Text = "TRUE" End If.

Codes

(a) Only I

(b) Only II

(c) Both I and II

(d) Neither I nor II

45. Direction In the following questions, a statement of Assertion (A) is followed by a statement of Reason (R). Mark the correct choice as.

Assertion (A) The source code to create a web page are to be written in text editors.

Reason (R) Text editors are used by the users who have complete knowledge of HTML.

Codes

(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.

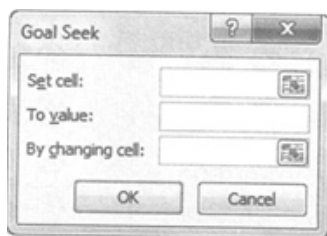
46. Match the following MS Word functionalities lists.

List I	List II
A. F2	1. Moves to the next Field.
B. F9	2. Updates all the field codes in the current selection.
C. F11	3. Moves text or object.
D. F12	4. Display the Save As dialog box.

Codes

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

47. Which of the following statements hold(s) true about the given dialog box?



- I. The 'Set cell' must contain the formula.
- II. Only one cell value can be supplied in 'By changing cell' field.

Codes

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

48. Which of the following statements is correct in case of Flash CS6?

- I. It allows interactivity compared to animated images.
- II. It does not require significant programming skills.

Codes

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

49. Study the following program.

- ```
1. a = 1
2. while True:
3. if a % 7 == 0:
4. break
5. print(a)
6. a += 1
```

Which of the following is correct output of this program?

- (a) 1 2 3 4 5
- (b) 1 2 3 4 5 6
- (c) 1 2 3 4 5 6 7
- (d) Invalid syntax

50. Given below is the list of various layers of a coaxial cable. Arrange them in the order from innermost to outermost as they appear in the cable.

- I. Copper mesh
- II. Copper wire
- III. Insulating layer
- IV. Plastic jacket/outer shield

**Codes**


- (a) II, III, I, IV
- (b) II, III, IV, I
- (c) II, IV, III, I
- (d) IV, II, III, I



## OMR SHEET

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

## Answers

- 1.** (c) processing
- 2.** (b) 24
- 3.** (a) Arguments appear in Call statements; parameters appear in Sub statements.
- 4.** (b) I have stage selected
- 5.** (c)  + left click the mouse
- 6.** (d) create and edit formulas containing functions.
- 7.** (a) stepped reckoner
- 8.** (b) digital subscriber line
- 9.** (b) Custom Animation
- 10.** (a) Micro Kernel
- 11.** (d) Instruction
- 12.** (a) 6F.A8
- 13.** (d) Both (a) and (c)
- 14.** (a) <OL TYPE=“/a/A/i/r>
- 15.** (a) Parentheses, Exponential, Multiplication, Division, Addition, Subtraction
- 16.** (c) show bullet items as they are discussed.
- 17.** (c) Both (a) and (b)
- 18.** (a) Mobile phone
- 19.** (a) Read Only Memory

- 20.** (c) It will retain the value it had before the call to the Sub procedure
- 21.** (d)  $(2 < n)$  Or  $(n < 5)$
- 22.** (d) All of the above
- 23.** (c) Indentation
- 24.** (a) Slide show
- 25.** (b) Brute force
- 26.** (c) Both (a) and (b)
- 27.** (a) display
- 28.** (d) Guided layer
- 29.** (c) Class
- 30.** (a) What-If Analysis → Data Table
- 31.** (b) Graphic Designer
- 32.** (c) move 10 steps
- 33.** (b) 67
- 34.** (b) Tree
- 35.** (d) Satya Nadella
- 36.** (c) Device driver
- 37.** (c) Magnetic tape
- 38.** (a) Redundant Array of Independent Disks.
- 39.** (c) Assembler
- 40.** (c) The Esc key
- 41.** (b) A-3, B-1, C-2, D-4
- 42.** (b) 20
- 43.** (c) Both I and II
- 44.** (b) Only II
- 45.** (B) Both A and R are true, but R is not the correct explanation of A.
- 46.** (d) A-3, B-2, C-1, D-4
- 47.** (c) Both I and II
- 48.** (c) Both I and II
- 49.** (b) 1 2 3 4 5 6
- 50.** (a) II, III, I, IV