

# *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. Which type of topology is best suited for large businesses which must carefully control and coordinate the operation of distributed branch outlets?  
(a) Hybrid                      (b) Mesh                      (c) Tree                      (d) Star
2. Which of the following is not an example of octal number?  
(a) 478                      (b) 123                      (c) 136                      (d) 372
3. Computers on Internet are identified by  
(a) IP address                      (b) E-mail address  
(c) Street address                      (d) None of these
4. The HTML tag that specifies a CSS style embedded in an element is called  
(a) Design                      (b) Style                      (c) Modify                      (d) Define
5. Which of the following is/ are the part of Operating System?  
(a) Kernel services                      (b) Library services  
(c) Application-level services                      (d) All of these
6. What types of computers accept data in binary digits and process it with stored memory programs?  
(a) Digital Computers                      (b) Analogue Computers  
(c) Hybrid Computers                      (d) None of these
7. Which option in PowerPoint allows you to create a package of your presentation for showing to another computer?  
(a) Save As                      (b) Save and Go  
(c) Pack and Go                      (d) Web and Go
8. What are hybrid attacks?  
(a) An attempt to crack passwords using words that can be found in dictionary.  
(b) An attempt to crack passwords by replacing characters of a dictionary word with numbers and symbols.  
(c) An attempt to crack passwords using a combination of characters, numbers and symbols.  
(d) An attempt to crack passwords by replacing characters with numbers and symbols.
9. Which tool is used to manipulate the shape of an object?  
(a) Distort Tool                      (b) Lasso Tool  
(c) Envelope Tool                      (d) Pen Tool
10. Which of the following is not valid version of MS Office?  
(a) Office 2007                      (b) Office Vista  
(c) Office 2016                      (d) Office 365

- 11.** Abacus is also called as  
 (a) counting frame (b) beads tray  
 (c) beads rack (d) None of these
- 12.** What does UPC stand for?  
 (a) Unique Product Code (b) Uniform Probate Code  
 (c) Uniform Plumbing Code (d) Universal Product Code
- 13.** ..... sensor available in smartphones detects the presence of nearby objects without any physical contacts.  
 (a) Predictive (b) Reflexive  
 (c) Proximity (d) Magnetometer
- 14.** ..... is a videotelephony and VoIP software application, developed by Apple Inc.  
 (a) Face Time (b) Facebook  
 (c) Safari (d) Skype
- 15.** In Microsoft Excel spreadsheets, CELLS are labelled as  
 (a) 1,2, 3,... (b) A, B, C,.... (c) A1, B1, C1,.... (d) I, II, III,.....
- 16.** In which method we don't need to specify the field type and size while creating a new table?  
 (a) Design view (b) While using Wizard  
 (c) Create Table by Entering Data (d) All of these
- 17.** To access the services of the Operating System, the interface is provided by the  
 (a) Library Services (b) System calls  
 (c) Assembly instructions (d) API
- 18.** Viruses spreads very fast through networks and infected  
 (a) Pen drives (b) Monitor (c) Mouse (d) CPU
- 19.** IBM's Personal Computer (PC) and Apple's Macintosh computers used microprocessor semiconductors are the examples of  
 (a) First (b) Second (c) Fourth (d) Third
- 20.** Which of the following statements is not true?  
 (a) You can type text directly into a PowerPoint slide but typing in text box is more convenient.  
 (b) From Insert menu choose Picture and then File to insert your images into slides.  
 (c) You can view a PowerPoint presentation in Normal, Slide Sorter or Slide Show view.  
 (d) You can show or hide task pane from View >> Toolbars.
- 21.** By default, this panel is located below the flash environment.  
 (a) Library Panel (b) Property Inspector Panel  
 (c) Layers Panel (d) Timeline Panel

**22.** Identify the following.

- It is a social networking website for people in professional occupations.
- It is mainly used for professional networking.
- It's CEO is Jeff Weiner.



**23.** To convert binary number 101010100.01011 to octal number, we will make 3-bit groups from .....for the integer part and ..... for the fractional part.

- (a) right to left, left to right
- (b) left to right, right to left
- (c) right to left, right to left
- (d) left to right, left to right

**24.** HTML is a subset of

- (a) SGMT
- (b) SGMD
- (c) SGML
- (d) STML

**25.** In laser printer technology, what happens during the conditioning stage?

- (a) The corona wire places a uniform positive charge on the paper.
- (b) A uniform negative charge is placed on the photosensitive drum.
- (c) A uniform negative charge is placed on the toner.
- (d) All of the above

**26.** Which of the following statements could be valid with respect to the ICMP (Internet Control Message Protocol)?

- (a) A redirect message is used when a router notices that a packet seems to have been routed wrongly.
- (b) It reports all errors which occur during transmission.
- (c) It informs routers when an incorrect path has been taken.
- (d) The "destination unreachable" type message is used when a router cannot locate the destination.

**27.** Joint Photographic Experts Group (JPEG) is used to compress

- (a) Music
- (b) Images
- (c) Frames
- (d) None of these

**28.** Which function of MS Excel evaluates an expression against a list of values in order and returns the first matching result?

- (a) TEXTJOIN
- (b) MATCH
- (c) RETURN
- (d) SWITCH

- 29.** Which of the following is the device used for converting maps, pictures and drawings into digital form for storage in computers?  
 (a) Image Scanner      (b) MICR      (c) Digitizer      (d) Scanner
- 30.** ..... when used appropriately, adds to the viewer's experience, making for a much richer and enjoyable activity.  
 (a) Advertisements      (b) Sound  
 (c) Image      (d) Content
- 31.** Where are placed the list of processes that are prepared to be executed and waiting?  
 (a) Ready queue      (b) Waiting queue  
 (c) Execution queue      (d) Process queue
- 32.** The process of keeping addresses in memory for future use is called  
 (a) routing      (b) resolving  
 (c) caching      (d) storing
- 33.** If we convert the Hexadecimal Number (D2763) 16 to Decimal Number the result will be  
 (a) (862051) 10      (b) (855120) 10  
 (c) (518520) 10      (d) (152085) 10
- 34.** The size of yes/no field is always  
 (a) 1 KB      (b) 1 Byte      (c) 1 Character      (d) 1 Bit
- 35.** If you will be displaying or printing your document on another computer, you'll want to make sure and select the option under the 'Save' tab.  
 (a) Embed Fonts      (b) Embed True Type Fonts  
 (c) Save True Type Fonts      (d) Save Fonts
- 36.** Transmission data rate is decided by  
 (a) Network layer      (b) Physical layer  
 (c) Data link layer      (d) Transport layer
- 37.** How to create a hyperlink in HTML?  
 (a) `<a href = "www.google.com"> Google.com </a>`  
 (b) `<a url = "www.google.com" Google.com /a>`  
 (c) `<a link = "www.google.com"> Google.com </a>`  
 (d) `<a> www.google.com <Google.com /a>`
- 38.** What is the shortcut key for repeat the recent find?  
 (a) CTRL + F4      (b) F5      (c) CTRL + F5      (d) F4
- 39.** Find the odd one.  
 (a) MS Word      (c) System Software  
 (c) MS Paint      (d) Application Software

40. .... is a famous technological medium for the spread of malware, facing problems of spam and phishing attacks.
- (a) Cloud (b) Pen drive  
(c) Website (d) Email

## Section-B (2 Marks each)

41. Which of the following statements is/are correct according to the Indian Cyber Crime Law?
- I. The Indian Cyber Law recognizes and legalizes the concept of digital signatures and electronic authentications.
- II. The Indian Cyber Law punishes the people of other nationalities, provided their crimes involve any computer or network situated in India.

### Codes

- (a) Only I (b) Only II  
(c) Both I and II (d) Neither I nor II
42. Which of the following is/are the functions of Operating System?
- I. Sharing hardware among users.  
II. Allowing users to share data among themselves.  
III. Recovering from errors.  
IV. Preventing users from interfering with one another.  
V. Scheduling resources among users.

### Codes

- (a) I, II, III and IV (b) II, III, IV and V  
(c) I, III, IV and V (d) All of these
43. Consider the following.
1. Twisted pair cables 2. Microwaves and Satellite Signals  
3. Repeaters 4. Analog Transmissions  
5. Fiber optics
- Which of the above is consider as a signal transmission medium in data communications?
- (a) 1 and 5 (b) 1 and 2 (c) 1, 2 and 5 (d) 1, 2, 3 and 5

44.  $(286)_{10} = (?)_2 = (?)_{16}$
- (a) 100011110, BE (b) 100010100, 11E  
(c) 100110011, 12F (d) 100011110, 11E

45. Which of the following HTML code will make an image clickable?
- (a) `<a href="https://www.foundry.com/">foundry Home Page</a>`  
(b) `  
<a href="https://www.foundry.com/">foundry Home Page</a>  
</img>`

- (c) `<a href="https://www.foundry.com/">foundry Home Page</a>  
`
- (d) `<a href="https://www.foundry.com/"></a>`

46. Given below the two statements. Which one of the following is correct?

- I. MS Word allows setting Word environment according to your requirements.  
 II. MS Word was initially named "Multiple Word Tool" but later, was renamed as MS Word.

**Codes**

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

47. Match the following lists.

List I	List II
A. MS Word	1. .accdb
B. MS PowerPoint	2. .docx
C. MS Excel	3. .pptx
D. MS Access	4. .xlsx

**Codes**

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

48. Identify the correct statement(s) regarding the computer.

- I. Abbreviation of COMPUTER Commonly Oriented Machines Used in Technical and Educational Research.  
 II. Computer is a machine or device that can be programmed to perform arithmetical or logic operation sequences automatically.

**Codes**

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

49.  $(143)_8 = (?)_2 = (?)_{16}$

- (a) 00110011, 64 (b) 001101100, 66 (c) 001100011, 63 (d) 110010011, 53

50. Which of the following statement(s) is correct?

- I. A One-Time-Password (OTP) is generated by user.  
 II. Chromecast is a thumb-sized media streaming device by Google.

**Codes**

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


## OMR SHEET

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

## Answers

1. (d) Star
2. (a) 478
3. (a) IP address
4. (b) Style
5. (d) All of these
6. (a) Digital Computers
7. (c) Pack and Go
8. (b) An attempt to crack passwords by replacing characters of a dictionary word with numbers and symbols.
9. (c) Envelope Tool
10. (b) Office Vista
11. (a) Counting frame
12. (d) Universal Product Code
13. (c) Proximity
14. (a) Face Time
15. (c) A1, B1, C1....
16. (c) Create Table by Entering Data
17. (b) System calls
18. (a) Pen drives
19. (c) Fourth



20. (a) You can type text directly into a PowerPoint slide but typing in text box is more convenient.
21. (c) Layers Panel
22. (c) 
23. (a) Right to left, left to right
24. (c) HTML is a subset of SGML
25. (b) A uniform negative charge is placed on the photosensitive drum.
26. (a) A redirect message is used when a router notices that a packet seems to have been routed wrongly.
27. (b) Images
28. (d) SWITCH
29. (c) Digitizer
30. (b) Sound
31. (a) Ready queue
32. (c) Caching
33. (a)  $(862051)_{10}$
34. (d) 1 Bit
35. (a) Embed Fonts
36. (b) Physical layer
37. (a) `<a href = "www.google.com"> Google.com </a>`
38. (d) F4
39. (b) System Software
40. (d) Email
41. (c) Both I and II
42. (d) All of these
43. (c) (1) (2) and (5)
44. (d) 100011110, 11E
45. (d) `<a href="https://www.foundry.com/"></a>`
46. (a) Only I
47. (b) 2 3 4 1
48. (b) Only II
49. (c) 001100011, 63
50. (b) Only II