

Do not start attempting the test paper until you are asked to do so.

ENROLLMENT NUMBER:

STUDENT NAME:

To get Year-wise Performance Comparison Report, Map your Admission No. at [www.silverzone.org/MapMyAdmissionNo](http://www.silverzone.org/MapMyAdmissionNo) within 10 days of this examination.

Class **7**

Maximum Marks : 100  
Duration : 60 Minutes  
Total Questions : 50

Test Paper Type

**BB**

**iiO** **16<sup>th</sup>**  
**INTERNATIONAL**  
**INFORMATICS**  
**OLYMPIAD**  
**2019-2020**

**Instructions for the Candidates**

1. Write your 12 digit Enrollment Number and your name on top of the Question Paper in the given space.
2. Keep the OMR Sheet in good/neat condition. Do not fold/damage the OMR Sheet.
3. Do not forget to sign the OMR sheet.
4. The Question Paper Booklet consists of 50 questions, divided into three sections.
5. Section-A: Computer Science (30 questions); Section-B: Reasoning and Aptitude (10 questions); Section-C: Scholar's Zone (10 questions).
6. Each question of Section-A carries 2 marks, Section-B carries 1.5 marks and that of Scholar's Zone carries 2.5 marks.
7. All the questions are compulsory and there is no negative marking.
8. Use of calculator or any other devices in the examination is strictly prohibited.
9. Choose only ONE OPTION as an answer.
10. BLUE/BLACK ball pen is preferred to darken the circle, however, in case of non-availability an HB pencil can be used. Mark your choice of answer in the OMR sheet, by darkening a circle as shown below.  
 A  B  C  D
11. Rough work should be done on the blank sheet/space provided in the Question Paper Booklet.

## Section-A (Computer Science)

1. The logical extension of multiprogramming operating system is:  
A. Time sharing      B. Multi-tasking  
C. Single programing D. Both A and B
2. Which of the following is not available on the ruler of MS-Word screen?  
A. Tab stop box      B. Left Indent  
C. Right Indent      D. Center Indent
3. A user of Windows XP has asked you to teach her how to use a feature of MS-Word. What tool will you use?  
A. Remote Assistance  
B. Remote Desktop  
C. Telnet  
D. Secure Shell (SSH0)
4. The numeric data entered in the worksheet is \_\_\_\_\_ aligned by default.  
A. left                  B. right  
C. center                D. Top
5. Which protocol provides e-mail facility among different hosts?  
A. FTP                  B. SMTP  
C. TELNET              D. SNMP
6. Which PowerPoint view works best for adding slide transitions?  
A. Slide show view    B. Slide sorter view  
C. Slide view          D. Notes view
7. Frames from one LAN can be transmitted to another LAN via the device:  
A. Router                B. Bridge  
C. Repeater             D. Modem
8. Gutter position can be set in which of the following positions?  
A. Left & right  
B. Left & top  
C. Left & bottom  
D. Left only
9. Which is the HTML editor that was a part of MS-Office until 2003?  
A. Web Page            B. Explorer  
C. Front Page          D. DreamWeaver
10. It is possible to \_\_\_\_\_ a data source before performing a merge.  
A. create                B. modify  
C. sortD.                D. All of these
11. The view that displays the slides in a presentation as miniature representations of the slides is called:  
A. Slideshow  
B. Slide sorter view  
C. Notes page view  
D. Outline view
12. Which one is the most suitable reason to use Macro in MS-Office (Word, Excel, PPT, etc.)?  
A. To record sound  
B. To automate repetitive tasks  
C. To record mouse move  
D. To record keystroke
13. Which keyboard shortcut is used to create charts in the selected range?  
A. F1                      B. F4  
C. F7                      D. F11
14. \_\_\_\_\_ is used to convert from upper case to lower case and vice versa.  
A. Toggle case        B. Sentence case  
C. Lower case         D. Upper case
15. To select all the boxes of an organization chart:  
A. click edit, select all.  
B. right click the chart background and click select all.  
C. press and hold the shift key and click each box.  
D. All of these

- 
16. Which of the following Internet connection methods enables you to watch television on your computer if you have a TV tuner card?
- A. DSL                      B. Satellite  
C. Cable                      D. ISN
- 
17. The elements <DIV> and <SPAN> have the following characteristics:
- A. Element <DIV> inherits properties defined for <SPAN> in a stylesheet.  
B. Elements <SPAN> and <DIV> define content to be inline or block-level.  
C. <DIV> and <SPAN> are used as alternatives for the element <P>.  
D. <DIV> is used inside element <P>.
- 
18. 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. All of these
- 
19. To drag a selected range of data to another worksheet in the same workbook, we use the:
- A. Tab key                      B. Alt key  
C. Shift key                      D. Ctrl key
- 
20. How can you make a bulleted list with numbers?
- A. <dl>                      B. <ol>  
C. <list>                      D. <ul>
- 
21. What are the requirements of wide area networks?
- A. Same type  
B. High bandwidth communication source link  
C. High speed processor  
D. All of these
- 
22. Why are unrecognized e-mail attachments removed?
- A. With this you can go to jail.  
B. It may contain a virus that can harm your computer.  
C. This is a wrong way.  
D. The sender of the mail can identify you and make a harm.
- 
23. In order to create your address list in mail merge, on which option will you click?
- A. Next write your letter  
B. Type a new list  
C. Use an existing list  
D. All of these
- 
24. WWW is based on which model?
- A. Local server  
B. Client server  
C. 3 tier  
D. All of these
- 
25. The topology with highest reliability is:
- A. Bus topology  
B. Star topology  
C. Ring topology  
D. Mesh topology
- 
26. John wants to add callout in his presentation. Which one of the given steps should John follow?
- A. Design → Shapes  
B. Insert → Shapes  
C. Animations → Shapes  
D. Shapes → Insert
- 
27. The selected design template can be applied:
- A. To the current slide only  
B. To all the slides  
C. To all the new presentations you create  
D. All of these
- 
28. In which section of an HTML document do you enter the <title> element?
- A. The body section  
B. The footer section  
C. The style sheet  
D. The head section

29. The \_\_\_\_\_ attribute sets the text direction as related to the lang attribute.
- lang
  - sub
  - dir
  - ds

30. If a higher layer of an operating system requires access to a device, a request is sent to the:
- kernal
  - I/O layer
  - memory management
  - user interface

### Section-B (Reasoning and Aptitude)

31. Find the missing term in the given series.

7, 14, 49, 88, 205, 324, ?

- 381
  - 425
  - 432
  - 443
32. To establish the same relationship between two pair of terms on either side of '::', choose the option that will replace the question mark(?).
- $D * P * S : 102 :: F * I * R : ?$
- 65
  - 81
  - 90
  - 115

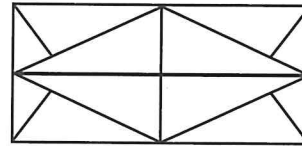
33. Direction:

- $A \times B$  means  $A$  is father of  $B$ .
- $A + B$  means  $A$  is daughter of  $B$ .
- $A - B$  means  $A$  is brother of  $B$ .
- $A \div B$  means  $A$  is mother of  $B$ .

In the expression  $P \times T \div Q + R$ , how is  $R$  related to  $P$ ?

- Daughter
- Husband
- Son-in-law
- Wife

34. Find the number of triangles in the given figure:

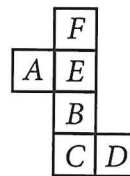


- 18
- 20
- 21
- 22

35. How many such pairs of letters are there in the word 'CREATIVE' each of which has as many letters between them in the word as in the English Alphabet?

- One
- Two
- Three
- Four

36. The sheet of paper shown in the figure given below is folded to form a box. Choose from the options the boxes that are similar to the box that will be formed.



- 
- 
- 
-

37. If “S” denotes “multiplied by”, “V” denotes “subtracted from”, “M” denotes “added to” and “L” denotes “divided by”, then  $4 \text{ M } 12 \text{ L } 2 \text{ S } 3 \text{ V } 20 = ?$
- A. 2  
B. 4  
C. 6  
D. 8

38. Find the missing term.

7		8		9		4		11		5
	41				17				?	
11		4		12		7		19		6

- A. 25  
B. 30  
C. 35  
D. 40

**Direction for question 39 & 40:** Read the following information carefully and answer the questions.

Rahul, Amit, Sunil, Kavita, Rupali, Prem, Chandan and Indrani are eight friends. They are sitting around a round table facing center. Rahul is sitting between Indrani and Amit. Rupali is sitting between Prem and Kavita. Chandan is sitting third to the left of Amit. Prem is sitting third to the right of Sunil.

39. Find the odd pair from the given options.

- A. Kavita-Indrani    B. Rupali-Prem  
C. Sunil-Chandan    D. Rahul-Rupali

40. Who is fifth to the right of Prem?

- A. Rahul  
B. Chandan  
C. Sunil  
D. Rupali

Space for Rough Work

- 
41. Which of the following is the second step in creating a macro?
- Start recording.
  - Using your mouse or keyboard, perform the task you want to automate.
  - Assign a keyboard shortcut to the macro.
  - Give the macro a name.

- 
42. The four types of mail merge main documents are:
- form letters, directories, catalogues and envelopes.
  - form letters, envelopes and mailing labels, directories and lists.
  - basic letters, envelopes, labels and list.
  - form letters, envelopes, mailing labels and catalogues.

- 
43. What feature will you use to apply motion effects in between the entry and exit of slides?
- Slide Transition
  - Slide Design
  - Animation Objects
  - Animation Scheme

- 
44. Which protocol assigns IP address to the client connected to the internet?
- DHCP
  - IP
  - RPC
  - TCP

- 
45. Tab stop position cannot have which of the following alignment?
- Decimal alignment
  - Center alignment
  - Bar alignment
  - Justify alignment

- 
46. To update a formula in a table, press the:

- F9 keys
- ALT+F9 keys
- Shift+F9 keys
- F8 keys

- 
47. In which portion of a document can you set certain page formatting options?

- Page setup
- Section
- Page
- Document

- 
48. The common name used in the crime of stealing password is called:

- Spoofing
- Polling
- Identify theft
- Spooling

- 
49. The tags used for specifying fonts in HTML are:

- `<B>`
- `<I>`
- `<U>`
- `<L>`

- i and ii
- i and iii
- ii and iv
- i, ii and iii

- 
50. What do you mean by an intranet?

- a LAN of an organization.
- a Wide Area Network connecting all branches of an organization.
- a corporate computer network.
- a network connecting all computers of an organization and using the internet protocol.