SILVER ZONE FOUNDATION
NEW DELHI, INDIA

ENROLLMENT NUMBER:

STUDENT NAME:

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

Test Paper Type
BB

Class 6

iiO 16th 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) ● (D)
11. Rough work should be done on the blank sheet/space provided in the Question Paper Booklet.

1. What is the purpose of a CPU heat sink?
   A. It blows cool air into the processor.
   B. It stores energy created by the processor to power the computer.
   C. It dissipates heat from the processor.
   D. It keeps the processor warm enough to function correctly.

2. The situation in which printers are differentiated on the basis of characters, lines and pages to be printed is called:
   A. Sequence to print data
   B. Impact to print data
   C. Font of characters
   D. All of these

3. Which one of the following features of MS-PowerPoint adds special effects for appearance and timing between each slide?
   A. Handouts
   B. Autocontent wizard
   C. Transition settings
   D. All of these

4. Liz can receive an e-mail but she cannot send an e-mail. Which of the following is most likely causing her problem?
   A. POP3   B. SMTP
   C. IMAP   D. UART

5. When formula bar is active, which of the following can be seen in MS-Excel 2013?
   A. The insert function buttons
   B. The cancel button
   C. The enter button
   D. All of these

6. Which of the following is a graphic solution for Word Processors?
   A. Clipart
   B. WordArt
   C. Drop Cap
   D. All of these

7. How can you insert a sound file in your word document?
   A. From insert → sound menu option
   B. From insert → file menu option
   C. From insert → object menu option
   D. All of these

8. Computer which stores the different web pages is called:
   A. Web browser   B. Service provider
   C. Web server   D. All of these

9. Given below are three statements on Windows 10:
   1. *After deleting an unwanted file, Window places the file into the Recycle Bin.*
   2. *All the disk and drives are kept in 'This PC'.*
   3. *You cannot set/change the computer clock by yourself.*
   Select the correct statement.
   A. Only 3 is correct.
   B. 1 and 2 are correct.
   C. 2 and 3 are correct.
   D. All the statements are correct.

10. Program link with other parts of program or connectors in flowchart are represented by:
   A. Rhombus   B. Parallelogram
   C. Circle   D. Trapezoid

11. Which of the following is not true about FORTRAN?
   A. It was developed for scientific and mathematical applications.
   B. It is one of the oldest high-level languages.
   C. It is a problem oriented language.
   D. It requires extensive internal documentation.

12. The way the browser displays the object can be modified by _____.
   A. attributes   B. parameters
   C. modifiers   D. All of these

13. By default, Windows 10 automatically turns the battery saver feature on when the battery charge of a laptop falls below _____.

    A. 20 percent   B. 15 percent

    C. 5 percent   D. 10 percent

14. Which feature of MS-Word 2013 is used to indent a paragraph?

    A. Buttons

    B. Ribbon

    C. Tab

    D. Ruler

15. HTML documents are saved in:

    A. Special binary format

    B. Machine language codes

    C. ASCII text

    D. All of these

16. A bookmark is an item or location in a document that you identify as a name for future reference. Which of the following tasks is accomplished by using bookmarks?

    A. To mark the ending of a page or document

    B. To quickly jump to a specific location in the document

    C. To add hyperlinks in a web page

    D. All of these

17. In order to edit a chart, you can:

    A. Triple click the chart object

    B. Click and drag the chart object

    C. Double click the chart object

    D. Click the chart object

18. In Microsoft PowerPoint, two kinds of sound effect files that can be added to the presentation are:

    A. .wav files and .mid files

    B. .wav files and .gif files

    C. .wav files and .jpg files

    D. .jpg files and .gif files

19. To centre worksheet titles across a range of cells, you must:

    A. select the cells containing the title text plus the range over which the title text is to be centered.

    B. widen the columns.

    C. format the cells with the comma style.

    D. All of these

20. Which of the following boxes of flowcharts represents two different conditions?

    A. Rectangle   B. Diamond

    C. Circle   D. Parallelogram

21. To close the workbook in MS-Excel, we press the keys:

    A. Ctrl+C   B. Ctrl+V

    C. Ctrl+W   D. Ctrl+K

22. What do you mean by vertical separation between columns?

    A. Orientation   B. Gutter

    C. Margin   D. Index

23. The speed of laser printer is measured in:

    A. LMP   B. DPI

    C. CPS   D. PPM

24. Multiple calculations can be made in a single formula using:

    A. Standard formulas   B. Array formula

    C. Complex formulas   D. Smart formula

25. What is the name of the router that your PC uses to connect to your Internet Service Provider?

    A. Loopback address

    B. Backbone

    C. IP address

    D. Default gateway

26. Which one of these is not a Function in MS-Excel?

    A. SUM   B. AVG

    C. MAX   D. MIN

27. What type of chart is useful for showing trends or changes over time?

    A. Pie chart

    B. Column chart

    C. Line chart

    D. Dot graph

28. Which tag of html is used to define reference for the resource?

    A. <head> tag

    B. .<base> tag

    C. <link tag>

    D. <script> tag

29. Which of the following statements is/are true?

    A. You can insert text boxes from drawing toolbar in PowerPoint.

    B. You cannot insert text boxes from drawing toolbar in PowerPoint.

    C. Text boxes are provided when you choose a layout and can't be inserted afterwards.

    D. All of these

30. Which is the latest version of MS Windows?

    A. Windows 16   B. Windows 8.1

    C. Windows 8   D. Windows 10

Section–B (Reasoning and Aptitude)

31. Find the missing term in the given series.

    3, 18, 36, 63, 117, 252, ?

    A. 350

    B. 420

    C. 580

    D. 630

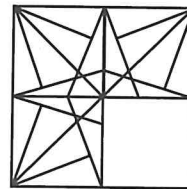32. In a certain language 'MIRACLE' is coded as 'NKUEHRL', then what will be the code for 'GAMBLE' in that language?

    A. CLEMNK

    B. JDOCMF

    C. HCPFQK

    D. AELGMN

33. There is a certain relationship between the pair of terms given on either side of '::' Identify the relationship of the given pair and find the missing terms in the other pair.

    *T * O * P : 153 : : I *A* S : ?*

    A. 38

    B. 65

    C. 87

    D. 116

34. Which of the following options will complete the figure?
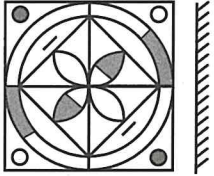

    A.

    B.

    C.

    D.

35. Rahul told Anand, "Yesterday I defeated the only brother of the daughter of my grandmother". Whom did Rahul defeated?

    A. Son   B. Father

    C. Uncle   D. Brother

36. Pariniti ranked 17th from the top and 28th from the bottom among those who made it to the final round of Miss India Contest. 7 girls did not participate in the competition and 7 failed in the previous round. How many girls enrolled in the contest?

A. 56   B. 58
C. 60   D. 64

37. Find the mirror image.

A.   B.

C.   D.

38. One morning after sunrise, Rohit was standing facing a pole. The shadow of the pole fell exactly to his right. To which direction was he facing?
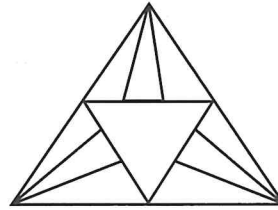
A. East   B. West
C. South   D. North

39. Find the number which will replace the question mark(?).

7	2	5	0
11	3	17	2
3	7	5	6
12	5	21	?

A. 15   B. 22
C. 25   D. 27

40. Find the number of triangles.

A. 15   B. 18
C. 20   D. 24

Space for Rough Work

41. The symbol used in a flowchart such as a rectangle with horizontal lines on two sides is used for:
    A. Defined statement
    B. Predefined process
    C. Error fix
    D. Variables defined

42. The Slide Layout task pane can be displayed by clicking:
    A. Format, Insert New Slide
    B. The right-most scroll bar area
    C. Insert, Slide Layout
    D. Format, Slide Layout

43. Which of the following should you use if you want all the slides in the presentation to have the same look?
    A. The slide layout option
    B. Add a slide option
    C. Outline view
    D. A presentation design template

44. Which one of the following is not a modem?
    A. Traditional modems
    B. DSL (Digital Subscriber Line)
    C. Cable
    D. AppleTalk

45. _____ is the assembly language for an imaginary architecture.
    A. Byte code
    B. Machine code
    C. Native code
    D. Executable code

46. Which technology enables you to make voice calls over your computer network?
    A. Internet Voice Protocol
    B. Voice over IP
    C. Digital Telephone Subscriber
    D. Universal Asynchronous Receiver Transmitter

47. Which feature works with Microsoft Explorer, Microsoft Edge, monitors, websites, pages, and downloads for known issues?
    A. AgentX
    B. Blocker
    C. Smart Screen
    D. Armenia

48. What indicates that the content in file is HTML when delivered on the network?
    A. The extension of the file ".html"
    B. The "content-type" header
    C. Both ".html" extension and "content-type" header
    D. All of these

49. In the evaluation of a computer language, all of the following characteristics should be considered except:
    A. Application oriented features
    B. Efficiency
    C. Software development aids
    D. Hardware maintainance costs

50. Which one of the following statements is correct?
    Statement 1: Template is like a blue-print which means it will show how a presentation can look like.

    Statement 2: Templates can contain layouts and different themes of colours.

    Statement 3: Templates can contain fonts, background styles, etc.

    A. Statement 1 is correct and statement 2 and 3 are incorrect
    B. Statement 1 and 2 are incorrect and statement 3 is correct
    C. All the statements are incorrect
    D. All the statements are correct