



# Minervaa International Scholarship Examinations

## Sample Question Paper

Class- VIII

Subject- Computer



### LOGICAL REASONING

1. Which set of letters fits the series: D4, F9, H16, J25, ?  
a) K36                      b) L36                      c) M36                      d) n36
2. Arrange these processes logically:  
**1. Mining**  
**2. Refining**  
**3. Moulding**  
**4. Product Formation**  
a) 1, 2, 3, 4                      b) 1, 3, 2, 4                      c) 1, 2, 3, 4                      d) 2, 1, 3, 4
3. If BOMBAY is written as MYMYMY, how will TAMILNADU be written in that code?  
a) TIATITATIA                      b) MNUMNUMNU                      c) IATITATAT                      d) None of these
4. The figure given below consists of three intersecting circles which represent sets of students who play Tennis, Badminton and Volley Ball. Each region in the figure is represented by a small letter. On the basis of this figure, answer the following question.
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- Which letter represents the set of persons who play Tennis and Badminton but not playing Volley Ball?  
a) B                      b) C                      c) D                      d) None of these
5. If the first and second letters in the word ENTHUSIASM are interchanged, also the third and fourth letters, the fifth and the sixth letter and so on, which of the following would be the sixth letter from the right?  
a) A                      b) S                      c) T                      d) U

### Computer

6. CSS is used to style an HTML document. Here, CSS stands for \_\_\_\_\_.  
a) Computer Style Sheets                      b) Combined Sheet Styles  
c) Common Sheet Styles                      d) Cascading Style Sheets
7. A bullet point list is created using what two tags?  
a) <ul><p>                      b) <ul><li>                      c) <ol><p>                      d) <ol><li>
8. Which browser is also called as the open-source browser?  
a) Internet Explorer 6                      b) Internet Explorer 7  
c) Mozilla Firefox                      d) None of these

9. In MS-Excel, as you key a number in a cell, what mode appears in the status bar?  
a) Enter mode                      b) Ready mode                      c) Edit mode                      d) Record mode
10. Which chart type is best for showing trends over time in Excel?  
a) Pie Chart                      b) Line Chart                      c) Column Chart                      d) Scatter Chart
11. What does 'System.out.println' do in Java?  
a) Receives input                      b) Prints output                      c) Declares a variable                      d) Ends the program
12. How would you illustrate a loop that repeats a process until a condition is met in a flow chart?  
a) Using a sequence of processing boxes  
b) Using a decision box that directs the flow back to a previous step  
c) Using a terminal box at the start and end  
d) Using an input/output box followed by a processing box
13. The standard size reel of magnetic tapes is:  
a) 120 feet in length                      b) 240 feet in length  
c) 1200 feet in length                      d) 2400 feet in length
14. The three main microcomputer types used today include:  
1) IBM PC-compatible  
2) Servers  
3) Apple Macintosh  
4) Workstation computers  
a) Only 1 is correct                      b) Only 2 is correct  
c) 1, 3 & 4 are correct                      d) None of these
15. Which Java keyword is used to prevent method overriding?  
a) final                      b) static                      c) super                      d) const
16. In Excel, what will the formula =IF(A1>10, "High", "Low") return if A1 contains 8?  
a) High                      b) Low                      c) TRUE                      d) FALSE
17. Which function in Java is used to take character input from the user?  
a) nextChar()                      b) nextLine()                      c) charAt(0)                      d) readChar()
18. Which protocol is used to transfer files over the Internet?  
a) HTTP                      b) SMTP                      c) FTP                      d) IP
19. What type of chart would best show parts of a whole in Excel?  
a) Line Chart                      b) Bar Chart                      c) Pie Chart                      d) XY Chart
20. Which of these is an example of a non-impact printer?  
a) Dot Matrix                      b) Inkjet                      c) Line Printer                      d) Daisy Wheel
21. Which of the following is NOT a part of the booting process in an operating system?  
a) POST                      b) BIOS                      c) Kernel Loading                      d) Spooling
22. In a network, which topology connects all nodes to a single central cable?  
a) Star                      b) Ring                      c) Bus                      d) Mesh
23. Which Java method reads an entire line of input from the user?  
a) next()                      b) readLine()                      c) nextLine()                      d) getLine()

24. Which layer of the OSI model handles routing and forwarding of data?  
a) Session                      b) Network                      c) Transport                      d) Application
25. Which Excel function gives the position of a character in a string?  
a) LEN                      b) LEFT                      c) MID                      d) FIND
26. Which of the following operators has the highest precedence in Java?  
a) &&                      b) =                      c) ++                      d) +
27. Which network device breaks up broadcast domains?  
a) Router                      b) Hub                      c) Switch                      d) Bridge
28. Which shortcut key is used to insert a new worksheet in Excel?  
a) Ctrl + N                      b) Shift + F11                      c) Ctrl + W                      d) Alt + Shift + N
29. Which of the following is a valid Java variable name?  
a) 1value                      b) value\_1                      c) @value                      d) value-1
30. In a flowchart, what shape represents a process?  
a) Diamond                      b) Rectangle                      c) Parallelogram                      d) Circle
31. Which function is used to return the largest value in a range in Excel?  
a) LARGE                      b) MAX                      c) BIGGEST                      d) MAXIMUM
32. Which of these is the correct way to declare a variable in Java?  
a) int num = 10;                      b) int = 10;                      c) num int = 10;                      d) declare int num = 10;
33. Which command is used to display the directory structure in GUI-based OS?  
a) DIR                      b) Explorer                      c) cd                      d) List
34. Which statement is used to check multiple conditions in Java?  
a) if                      b) else                      c) switch                      d) case
35. What is a primary benefit of using a computer network?  
a) Faster typing                      b) Better display  
c) Sharing of resources                      d) Higher power usage
36. In Java, which of the following data types has the highest precision?  
a) int                      b) float                      c) double                      d) long
37. Which of the following functions will give the result 'TRUE' if all arguments are TRUE in Excel?  
a) AND                      b) Or                      c) IF                      d) TRUE
38. Which chart type in Excel would best show correlation between two variables?  
a) Bar Chart                      b) Pie Chart                      c) Line Chart                      d) Scatter Plot
39. What kind of network uses radio signals to connect devices without physical cables?  
a) LAN                      b) WAN                      c) Wi-Fi                      d) MAN
40. In flowcharts, which symbol represents data input or output?  
a) Rectangle                      b) Diamond                      c) Parallelogram                      d) Circle

41. Which of the following is NOT a feature of open-source software?

- a) Freely available
- b) Source code accessible
- c) Can't be modified
- d) Collaborative development

42. Bar code readers converts bar code to \_\_\_\_\_.

- a) information
- b) numbers
- c) programs
- d) application

43. What are the circular plates inside a hard disk called?

- a) gird
- b) Platters
- c) flatters
- d) None of the above

44. The memory sizes in mainframe computers and advanced technology micro-computer are expressed as?

- a) Kilobits
- b) Kilobytes
- c) Bits
- d) Megabytes

45. Which of the following statements hold(s) true about the operating system?

**Statement 1:** Linux is a family of open-source operating systems, which can be modified and distributed by anyone around the world.

**Statement 2:** macOS is an operating system designed by Apple.

- a) Only Statement 1
- b) Only Statement 2
- c) Both Statement 1 and Statement 2
- d) Neither Statement 1 nor Statement 2

46. Collection of hardware devices installed into automobiles to provide entertainment and information content are called \_\_\_\_\_.

- a) Transport in Embedded Design
- b) Planar Entertainment
- c) Embedded Entertainment
- d) In-Vehicle Infotainment

47. Which of the following is used to build RAM?

- a) Semi-conductors
- b) Vacuum Tubes
- c) Super-conductors
- d) Transistors

48. What is the shortcut key to insert today's date in MSWord 2010?

- a) Shift + Ctrl + D
- b) Shift + Alt + D
- c) Shift + Home + D
- d) Shift + End + D

49. Which of the following statements is/are true about screen saver?

(A) A screen saver is an animated image.

(B) Screen saver is activated on a computer display when no user activity has been sensed for a certain period of time.

(C) Screen savers are used to save power.

(D) Screen saver can be used for security purpose.

- a) A, B, D
- b) B, C, D
- c) A, B, C, D
- d) A, C, D

50. Imagine you are designing a new software suite for small businesses. Which combination of software types would you include to meet most business needs?

- a) Operating system, word processor, antivirus
  - b) Spreadsheet software, photo editor, game software
  - c) Database management, email client, word processor
  - d) Media player, web browser, photo editor
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**ANSWER KEY**

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