



School Level Examination  
SLE 2023

GRADE  
10

**CYBER**

Subject Code: 

5	0	1
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Total Questions: 50

Time: 1 hour

**DO NOT OPEN THIS BOOKLET UNTIL INSTRUCTED TO DO SO**

- All questions are compulsory.
- Read the instructions on the **ANSWER SHEET** and fill in your **NAME, CLASS** and **OTHER INFORMATION**.
- To mark your choice of answer by darkening the circles in the **ANSWER SHEET**, use a **BLUE/BLACK BALLPEN** only.
- You **MUST** record your answers on the **ANSWER SHEET** only.
- There are **50 MULTIPLE CHOICE QUESTIONS**. Use the information provided to choose the **BEST** possible answer among the four options. On your **ANSWER SHEET** fill in the circle that matches your answer.
- Marks are **NOT** deducted for incorrect answers.
- Return the **ANSWER SHEET** to the invigilator at the end of the examination.
- You are **NOT** allowed to use a calculator. You may use a ruler and spare paper for rough work.

CYBER

This question paper contains a total of 50 questions divided into three sections - A, B and C.

Read the instructions carefully before attempting these questions.

Section A (Logical Reasoning)

1. Choose the correct alternative.

Eye : Myopia :: Teeth : \_\_\_\_ ?

- (A) Pyorrhoea (B) Cataract  
(C) Trachoma (D) Eczema

2. If + means  $\div$ , - means  $\times$ ,  $\div$  means -,  $\times$  means +, then what will be the value of x, if  $x \div 8 + 6 = 4 - 7 \times 3$ ?

- (A)  $\frac{97}{3}$  (B)  $-\frac{23}{2}$   
(C) 12 (D) 14

3. In a certain code, SIKKIM is written as THLJL. How is TRAINING written in that code?

- (A) SQBHOHOH (B) UQBHOHOF  
(C) UQBJOHHO (D) UQBJOHOH

4. Pointing to a man in a photograph, Asha said, "His mother's only daughter is my mother." How is Asha related to that man?

- (A) Nephew (B) Sister  
(C) Wife (D) Niece

5. If + means -, - means  $\times$ ,  $\times$  means  $\div$  and  $\div$  means +, then  $x = 15 + 5 - 1$  is \_\_\_\_\_.

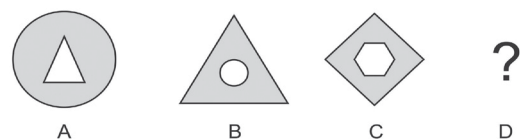
- (A) 0 (B) 6  
(C) 10 (D) 20

6. 2Z5, 7Y7, 12X9, 17W11, 22V13, ? .

- (A) 27U15 (B) 45U15  
(C) 47I14 (D) 47I15

7. Saurabh puts on his socks before shoes. He puts on his shirt before his jacket. He puts on his jacket before his shoes. If the first two statements are true, the third statement is \_\_\_\_\_.

- (A) True (B) False  
(C) Uncertain (D) None of these

8. 

- (A)  (B)   
(C)  (D) 

9. In a certain code STUDENT is written as TUTDNES.. How is the word CAPABLE coded?  
 (A) CAPABLE (B) EPAALBC  
 (C) EAPACBL (D) CEAPALB
10. If white is called green, green is called blue, blue is called red, red is called violet, violet is called yellow, yellow is called black and black is called orange. What would be the colour of human blood?  
 (A) Red (B) Blue  
 (C) Violet (D) Yellow

### Section B (Subject Specific)

11. Arrange the sequence of computer memory in increasing order of their size.  
 (A) KB < TB < GB < MB (B) TB < KB < MB < GB  
 (C) KB < MB < GB < TB (D) MB < KB < GB < TB
12. Which of the following statements is NOT true about process scheduling?  
 (A) The process scheduling is an activity of the process manager that handles the removal of the running process from the CPU.  
 (B) It handles the selection of another process on the basis of a particular strategy.  
 (C) It decides which process gets the device for how much time.  
 (D) It is an essential part of multiprogramming operating systems.
13. Which key is pressed to stop the application of Format Painter?  
 (A) Esc (B) Ctrl  
 (C) Alt (D) Win
14. How do you create speaker notes pages that show the slides, related notes, and your company logo on each page?  
 (A) Edit the slide master and insert the company logo and notes pane  
 (B) Edit the notes master and add the company logo  
 (C) Edit the handout master to include the company logo and one slide per page with additional note space  
 (D) Edit the notes master to include the related notes and edit the slides master to insert the company logo
15. What will the following query do?  
 UPDATE MARKS SET SCIENCE= SCIENCE+5;  
 (A) Will update the SCIENCE column with 5 marks. (B) Will create the new column set science.  
 (C) Will lose 5 marks from the science column. (D) None of these
16. If you select \_\_\_\_\_ then any values modified in the source range are automatically updated in the target range.  
 (A) Link to original data (B) Link to source data  
 (C) Link to source range (D) Link to sheet data

17. Select the code using which all the paragraphs of a web page will have blue font colour.
- (A) p-color: blue; (B) p.ALL {color: blue;}  
(C) p color: blue; (D) p {color: blue;}
18. Your school has asked you to design a feedback form for your school's website. The following pseudocode is written:
- ```
<html>
<head><title> My page </title></Head><body>
<H1><U><A name="#Top"> FEEDBACK FORM</A></u></h1> ...Statement 1
.
.
</body>
</html>
```
- Referring to the code given above, answer the following question:  
In order to change the size of heading in Statement 1, which statement will be used?  
Choose as per the correct justification.
- (A) <h2> ... </h2> for bigger size (B) <h2> ... </h2> for smaller size  
(C) <h6>..... </h6> for bigger size (D) None of these
19. \_\_\_\_\_ allows each individual to tackle the subject at their own pace.
- (A) E-banking (B) E-reservation  
(C) E-governance (D) E-learning
20. Which of the following is the hacking approach where cyber-criminals design fake websites or pages for tricking or gaining additional traffic?
- (A) Mimicking (B) Spamming  
(C) Pharming (D) None of these
21. What does while loop do?
- (A) Repeats a chunk of code a given number of times  
(B) Repeats a chunk of code until a condition is true  
(C) Repeats a chunk of code until a condition is false  
(D) Repeats a chunk of code indefinitely
22. A \_\_\_\_\_ computer refers to a computing device that has been intentionally built to occupy minimal physical space.
- (A) Supercomputer (B) Microcomputer  
(C) Minicomputer (D) Mainframe computer
23. Which of the following operating systems lacks the capability to handle concurrent execution of many programs?
- (A) Windows (B) DOS  
(C) Linux (D) MAC
24. The act of creating multiple copies of a document for each entry in a list can be referred to as mail merge. This technique combines the design of a document with a list. The name of the list is \_\_\_\_\_.
- (A) Main Document (B) Database  
(C) Data Source (D) Merged Document

25. In MS PowerPoint, the slide used to introduce a topic and establish the presentation's tone is known as the \_\_\_\_\_ .
- (A) Comparison slide (B) Table slide  
(C) Blank slide (D) Title slide
26. Which of these is not one of the "what-if" functions in Excel?
- (A) Outline (B) Goal seek  
(C) Scenario manager (D) Solver
27. Which of the aforementioned fields or groups of fields within a database table serves as the primary key in a separate table?
- (A) Candidate key (B) Primary key  
(C) Foreign key (D) Alternate key
28. The manner in which the browser presents the object can be altered by \_\_\_\_\_.
- (A) Modifiers (B) Attributes  
(C) Parameters (D) Dataframes
29. Which protocol is utilised for email services among the options provided?
- (A) MSNP (B) SMBT  
(C) SMTP (D) LISP
30. Which of these is a form of autonomous harmful software that does not rely on a host program?
- (A) Worm (B) Trojan Horse  
(C) Virus (D) None of these
31. In robots, which of the following produces vast amounts of data that can be used to make human-like decisions?
- (A) sound (B) light  
(C) voice (D) sensor
32. Which of the following is an intermediary system that establishes a connection between a merchant's mobile application or website and the bank?
- (A) Internet (B) Mobile Network  
(C) Antivirus (D) Payment Gateway
33. What will be the output of the following code?
- ```
a = [10, 20, 30, 40, 50, 60, 70, 80, 90, 100]
b = 0
for i in range(0, len(a)):
    b = b + a[i]
print(b)
```
- (A) 500 (B) 450  
(C) 550 (D) 400
34. Which one of the following components is not encompassed within the CIA Triad?
- (A) Authenticity (B) Availability  
(C) Confidentiality (D) Integrity

35. Match the following:-

| Column A            | Column B   |
|---------------------|--|
| (i) Goal seek       | (a) a group of values that Excel saves and can use to fill in your worksheet immediately.    |
| (ii) Scenario       | (b) a combination of a column letter and a row number that identifies a cell on a worksheet. |
| (iii) Solver        | (c) calculates the value (variable) of the input based on the value of the output.           |
| (iv) Cell reference | (d) a program you can add to Microsoft Excel that lets you do "what-if" analysis.            |

(A) (i) – (d), (ii) – (b), (iii) – (a), (iv) – (c)

(B) (i) – (d), (ii) – (c), (iii) – (a), (iv) – (b)

(C) (i) – (c), (ii) – (a), (iii) – (d), (iv) – (b)

(D) (i) – (b), (ii) – (d), (iii) – (a), (iv) – (c)

**Instruction: Q. 36 and 40 are two-key based questions having four options A, B, C and D out of which TWO are correct.**

36. When \_\_\_\_\_ and \_\_\_\_\_ come together, we receive robots that would demonstrate human intelligence.

(A) humans

(B) robots

(C) robotics

(D) artificial intelligence

37. Which of the following are looping statements in Python?

(A) for statement

(B) while statement

(C) if statement

(D) break statement

38. Which of the following are said to be the control statements or loop control statements?

(A) switch

(B) break

(C) continue

(D) go to

39. Apart from safety and health concerns, what were the reasons that Google Glass failed?

(A) Bad Marketing

(B) Poor Technology

(C) Awkward Design

(D) Less Storage Space

40. Which of the following are the two types of constraints available in MySQL?

(A) Row level

(B) Table level

(C) Top level

(D) Column level

### Section C (Competency Enhancement)

41. Rohan selected the 4th row and 3rd column in a spreadsheet. Then what is the cell address of the selection?

(A) 3C

(B) C3

(C) 4C

(D) C4

42. Shreya needs to display her poem centre aligned on the HTML page. Which tag should she use?

(A) <align>

(B) <middle>

(C) <center>

(D) <font\_center>

43. Divya has turned ON her computer by following correct steps. However, her computer is not able to initiate the boot process. All the devices are connected properly. Which of the following necessary component might be missing in this situation?
- (A) Compiler (B) Loader  
(C) Assembler (D) Operating System
44. Shalu has studied about the different types of operating systems and their examples. Help her identify in which category she should put Windows and Mac OS.
- (A) Single-User Single-Tasking OS (B) Single-User Multi-Tasking OS  
(C) Multi-User OS (D) Mutliprocessing OS
45. Karina has typed a story in Word. She wants to put some identification mark on the back of text on all pages of the document. Which feature of Word can she use?
- (A) Bookmark (B) Insert Citation  
(C) Watermark (D) Mark Citation
46. Arun is working on a table in MySQL. He wants to restricts the value range that can be placed in a column. Suggests a SQL constraint that can help him.
- (A) CHECK constraint (B) VALUE constraint  
(C) RANGE constraint (D) COLUMN constraint
47. Parth used to work in a multinational company. He lost his job due to Covid Pandemic. He worked from home sometime but now he likes to search a permanent job. Which of the following social media platform would serve his purpose?
- (A) Dropbox (B) LinkedIn  
(C) Pinterest (D) Spotify
48. Tisha’s teacher has explained her the topic by giving examples for better understanding. Some of these examples are
- (i) to train bus drivers and pilots  
(ii) to treat autistic children and phobias
- Which topic has been discussed here with the help of above examples?
- (A) Augmented Reality (AR) (B) Virtual Reality (VR)  
(C) Internet of Things (IoT) (D) Artificial Intelligence (AI)
49. Amit is trying to insert a border around an image on a web page. Can you correct the following code for him?
- ``
- (A) ``  
(B) ``  
(C) ``  
(D) ``
50. Piyush has installed a high speed non-impact printer at his office which is fast enough to print the entire book in about 1 minute. Which of the following type of printer it could be?
- (A) Laser (B) Dot Matrix  
(C) Line (D) Page



coding



Click



Presentation



web



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