



School Level Examination
SLE 2024

SET:

I

GRADE
10

CYBER

Subject Code:

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Total Questions: 50

Total Marks: 50

Time: 1 hour

DO NOT OPEN THIS BOOKLET UNTIL INSTRUCTED TO DO SO


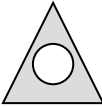
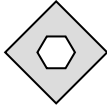
- All questions are compulsory.
- Read the instructions on the **ANSWER SHEET** and fill in your **NAME, CLASS** and **OTHER INFORMATION**.
- To mark your choice of answer, darken the circles in the **ANSWER SHEET**, use a **BLUE/BLACK BALL-POINT PEN** only.
- You **MUST** record your answers on the **ANSWER SHEET** only.
- There are **50 MULTIPLE CHOICE QUESTIONS**. Each question carries one mark. Use the information provided to choose the **BEST** possible answer among the four options. On your **ANSWER SHEET** darken 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.

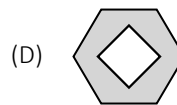
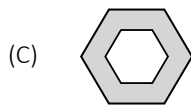
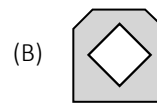
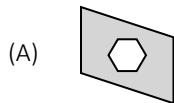
This question paper contains a total of 50 questions divided into three sections - A, B and C.

Read the instructions carefully before attempting these questions.

Section A (Logical Reasoning)

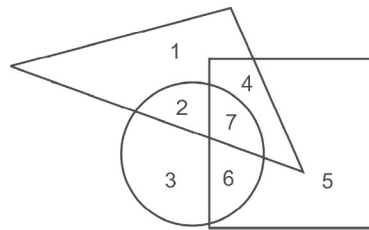
- In a certain code, SIKKIM is written as THLJLL. How is TRAINING written in that code?
 (A) SQBHOOHO (B) UQBHOHOF
 (C) UQBJOHHO (D) UQBJOHOH
- Five friends - Alex, Ben, Chloe, Daniel, and Emma - are participating in a running competition. Based on the given clues, determine their finishing positions:
 (i) Alex finished ahead of Chloe and Emma.
 (ii) Ben finished ahead of Daniel but behind Chloe.
 (iii) Emma finished before of Daniel.
 In what position did Ben finish?
 (A) First (B) Second
 (C) Third (D) Fourth
- Gopal starts from his house towards West. After walking a distance of 30 metres, he turned towards right and walked 20 metres. He then turned left and moving a distance of 10 metres, turned to his left again and walked 40 metres. He now turns to the left and walks 5 metres. Finally, he turns to his left. In which direction is he walking now?
 (A) North (B) South
 (C) East (D) South-West
- If in a certain code, TWENTY is written as 863985 and ELEVEN is written as 323039, how is TWELVE written in that code?
 (A) 863203 (B) 863584
 (C) 863903 (D) 863063

- 


 ?
 A B C D



- Select the related numbers from the given alternatives. 3, 10, 21, 36,?
 What would be the next number in the sequence?
 (A) 55 (B) 49
 (C) 45 (D) 64
- If gloves are called pads, pads are called stumps, stumps are called bails, bails are called helmet, what flies off first when stumps are dislodged by the wicketkeeper?
 (A) Helmet (B) Bails
 (C) Wickets (D) Pads

8. In a queue of children, Kashish is fifth from the left and Mona is sixth from the right. When they interchange their places among themselves, Kashish becomes thirteenth from the left. Then, what will be Mona's position from the right?
- (A) 4th (B) 8th
(C) 14th (D) 15th
9. If P denotes \div , Q denotes \times , R denotes $+$ and S denotes $-$, then
- 18 Q 12 P 4 R 5 S 6 = _____ ?
- (A) 36 (B) 53
(C) 59 (D) 65
10. If tall is equivalent to circle, soldiers to triangle and strong to square, indicate which number will represent tall and strong soldiers:



- (A) 2 (B) 4
(C) 7 (D) 11

Section B (Subject Specific)

11. Artificial Intelligence is associated with the _____ generation of computers.
- (A) Third (B) Fourth
(C) Fifth (D) Sixth
12. Which city in India is home to the National Supercomputing Mission (NSM) hub responsible for coordinating the development and deployment of supercomputers?
- (A) Pune (B) Bengaluru
(C) Hyderabad (D) Chennai
13. Saving data and instructions to make them readily available is the job of the _____.
- (A) Storage Unit (B) Cache Unit
(C) Input Unit (D) Output Unit
14. What is the purpose of the BIOS (Basic Input/Output System) in a computer system?
- (A) To manage files and folders.
(B) To control input and output devices.
(C) To load the operating system into memory during startup.
(D) To perform arithmetic and logical operations.
15. The microcomputer, Intel MCS-80 is based on the widely used Intel _____.
- (A) 8086 microprocessor (B) 8085 microprocessor
(C) 8082 microprocessor (D) 8080 microprocessor
16. Which operating system is open-source and widely used in servers and embedded systems?
- (A) Linux (B) Windows
(C) Mac OS (D) Android

17. Which of the following statements is NOT true about distributed operating system?
- (A) It is a model where distributed applications run on multiple computers linked by communications.
 - (B) It is an extension of the network operating system.
 - (C) It runs on multiple distributed dependent central processing units.
 - (D) It supports higher levels of communication and integration of the machines on the network.
18. Which of the following is NOT a valid file format for saving a document in Microsoft Word?
- (A) .docx
 - (B) .pdf
 - (C) .xls
 - (D) .rtf
19. 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
20. What is the keyboard shortcut to duplicate a selected slide in Microsoft PowerPoint?
- (A) Ctrl + D
 - (B) Ctrl + C
 - (C) Ctrl + X
 - (D) Ctrl + V
21. Which tab in the Paragraph dialog box is selected by default when Paragraph Settings launcher is clicked on?
- (A) Line and Page
 - (B) Indents and Spacing
 - (C) Page Layout
 - (D) None of these
22. Which Excel feature allows you to automate repetitive tasks by recording a series of actions performed in Excel?
- (A) Templates
 - (B) Macros
 - (C) Goal Seek
 - (D) Scenario Manager
23. Read statements 1 and 2 and select appropriate option.
- Statement 1: A new style can be created from selection.
- Statement 2: A new style can be created using drag and drop.
- (A) Both Statements 1 and 2 are True.
 - (B) Statement 1 is True but Statements 2 is False.
 - (C) Statement 1 is False but Statement 2 is True.
 - (D) Both statements 1 and 2 are False.
24. Which SQL command is used to create a new table in a database?
- (A) MAKE TABLE
 - (B) CREATE TABLE
 - (C) ADD TABLE
 - (D) NEW TABLE
25. Which PowerPoint feature will you use to apply motion effects to different objects of a slide?
- (A) Slide Design
 - (B) Slide Transition
 - (C) Animation Scheme
 - (D) Rehearsing Objects
26. What is the correct syntax for inserting data into a table in SQL?
- (A) ADD INTO table_name (column1, column2, ...) VALUES (value1, value2, ...);
 - (B) INSERT INTO table_name (column1, column2, ...) VALUES (value1, value2, ...);
 - (C) PUT INTO table_name (column1, column2, ...) VALUES (value1, value2, ...);
 - (D) CREATE INTO table_name (column1, column2, ...) VALUES (value1, value2, ...);
27. What are the correct steps to protect your presentation by setting up a password on it?
- (A) File → Info → Protect Presentation → Set Password
 - (B) File → Info → Protect Presentation → Restrict Access
 - (C) File → Info → Account → Protect Presentation → Set Password
 - (D) File → Info → Protect Presentation → Encrypt with Password

28. What is the correct syntax for creating a hyperlink in HTML?

- (A) `Link`
- (B) `<link href="https://example.com">Link</link>`
- (C) `<href="https://example.com">Link</href>`
- (D) `<hyperlink="https://example.com">Link</hyperlink>`

29. 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

30. Which of the following internet services is primarily used for sharing short, quick updates or messages with followers?

- (A) Email
- (B) Blogging
- (C) Microblogging
- (D) Video streaming

31. If a flowchart is continuing to next page then how is it connected to previous page? Identify the correct option:

- (A) parallelogram with alphabet
- (B) rectangle with alphabet
- (C) circle with alphabet
- (D) diamond with alphabet

32. What does the term "zero-day vulnerability" refer to in cybersecurity?

- (A) A security flaw that has been known and patched for zero days.
- (B) A newly discovered security vulnerability that is exploited before a patch is available.
- (C) A type of malware that spreads rapidly across computer networks.
- (D) A cyber attack that targets specific individuals or organizations.

33. Which function allows you to search for approximate matches in a table and perform calculations based on the closest match?

- (A) VLOOKUP
- (B) INDEX
- (C) MATCH
- (D) SUMIFS

34. Which of the following queries will give the correct output to display records whose name's second letter is 'i' of the STUDENTS table?

- (A) `SELECT * FROM STUDENTS WHERE name like '_i%';`
- (B) `SELECT * FROM STUDENTS WHERE name like '%_i';`
- (C) `SELECT * FROM STUDENTS WHERE name like '%_i%';`
- (D) `SELECT * FROM STUDENTS WHERE name like '__i%';`

35. Your school wants check boxes to be included to choose between the streams: Science, Commerce and Arts for filling the feedback form. Which of the following codes will help you get the desired output?
- (A) `<Input type= "CHECKBOX" value="Science"> Science <Input type="CHECKBOX" value="Commerce"> Commerce <Input type="CHECKBOX" value="Arts"> Arts`
- (B) `<Input type= "CHECKBOX" value= "Science"> <Input type= "CHECKBOX" value="Commerce"> <Input type="CHECKBOX" value="Arts">`
- (C) `<Input type="CHECKBOX" value> Science <Input type="CHECKBOX" value> Commerce <Input type="CHECKBOX" value>Arts`
- (D) None of these

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

36. 1 GB is equal to _____ and _____.
 (A) 1024 MB (B) 10737418240 Bytes
 (C) 1073741824 Bytes (D) 1073741824 Kilobytes
37. 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
38. Identify two domains of Artificial Intelligence used in auto summarisation of text.
 (A) NLP (B) Data
 (C) Computer Vision (D) Big Data
39. What precautions should be taken while using net banking?
 (A) Always use public computers to log in to the net-banking portal.
 (B) Change your login password at least once in two months.
 (C) Update the operating system of your smartphone or the computer.
 (D) Always use public Wi-Fi.
40. Which of the following protocols are commonly used for email communication? Select all that apply.
 (A) SMTP (Simple Mail Transfer Protocol) (B) POP3 (Post Office Protocol version 3)
 (C) HTTP (Hypertext Transfer Protocol) (D) FTP (File Transfer Protocol)

Section C (Competency Enhancement)

41. Aditi, a web developer, is designing a registration form for her coaching institute, when creating a form in HTML5 and needing to specify a field for entering an email address, which input type would you use?
 (A) `<input type="text">` (B) `<input type="email">`
 (C) `<input type="password">` (D) `<input type="number">`
42. Amit is trying to insert a border around an image on a web page. Can you correct the following code for him?
``
 Which of the following corrections should be made to the code?
 (A) Change "frame" to "border" in the style attribute.
 (B) Remove the inline style attribute.
 (C) Change "1px" to "1" in the style attribute.
 (D) Remove the "green" color value from the style attribute.

43. What is the purpose of Denial of Service attack?
- (A) To shutdown services by turning them off (B) To overload a system so it is no longer operational
(C) To execute a Trojan on a system (D) To exploit a weakness in the TCP/IP stack
44. Sohan is working on a database project. He applies a key to a column in a table, ensuring that it is a combination of multiple columns that uniquely identifies each row. Which type of key has he applied?
- (A) Alternate key (B) Super key
(C) Foreign key (D) Composite key

45. Samaira has created the following table : Item.

Itemno	Itemname	Price	Qty
A1	Pen	15	50
A2	Colours	10	25
A3	Notebook	30	20

Help her change the quantity of Itemno A3 to 25.

- (A) Update Item modify Qty = 25 where Itemno = A3 (B) Modify Item update Qty = 25 where Itemno = A3
(C) Modify Item set Qty = 25 where Itemno = A3 (D) Update Item set Qty = 25 where Itemno = A3
46. Emily, a bilingual project coordinator, is tasked with creating a document containing content in both English and Spanish. Which feature would Emily utilize to enable multilingual support in Microsoft Word?
- (A) Language Options (B) Font Styles
(C) AutoFormat (D) Thesaurus
47. Arun is teaching his younger sibling the concepts of logical operators in programming, but he is confused in some statements. Help him by identifying incorrect statement about logical operators.
- (A) Logical operators include AND, OR, and NOT.
(B) Logical operators include NONE, TRUE, and FALSE.
(C) Logical operators will result in TRUE or FALSE.
(D) Logical operators are used to combine multiple conditions or expressions into one statement.
48. Sophia, a financial planner, is conducting a what-if analysis in Microsoft Excel to determine the effect of different interest rates on a loan payment, which feature would Sophia use to find the required interest rate to achieve a specific payment?
- (A) Data Tables (B) CONCATENATE
(C) Scenario Manager (D) Goal Seek
49. Due to pandemic effect, Khushi decided to buy a cell phone for her online classes. However, she is not able to decide which cell phone is best for her and which website is offering her the good discount. Help her from the following options.
- (A) Use a comparison website (B) Use a comparison calculator
(C) Use a comparison blog (D) Use a comparison YouTube channel
50. SocialBuzz is a social media platform where users can share articles, blog posts, and news stories. Recently, users have reported encountering fake news and misinformation on the platform, leading to concerns about credibility and trustworthiness. To address the issue of fake news and misinformation, what should SocialBuzz prioritize?
- (A) Launching a feature for users to customize their profile backgrounds.
(B) Implementing fact-checking mechanisms to verify the accuracy of content.
(C) Adding a new section for users to post memes and jokes.
(D) Reducing the character limit for posts to encourage brevity.



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Presentation



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