

CYBER

Grade 7

National Level Examination

NLE 2024

Subject Code:

5	0	1
---	---	---

Total Questions: 40

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 BALL PEN** only.
- You **MUST** record your answers on the **ANSWER SHEET** only.
- There are **40 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.
- $\frac{1}{2}$ **MARK** will be deducted for every **WRONG ANSWER**.
- 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 40 questions divided into three sections - A, B and C. Read the instructions carefully before attempting these questions.

Section A (Logical Reasoning)

- '1 + 2 + 3' stands for 'the brave boy' '2 + 3 + 4' stands for 'brave boy swims' '1 + 2 + 4 + 5' stands for 'the brave girl swims'. What stands for 'brave'?

(A) 2	(B) 1
(C) 3	(D) 4
- If '+' means 'x', '-' means '÷' 'x' means '+', '÷' means '-', then, $10 \times 18 - 9 + 3 \div 1$ is equal to _____.

(A) 15	(B) 20
(C) 168	(D) 180
- If a 'rectangle' is called a 'circle', a 'circle' is called a 'triangle', a 'triangle' is called a 'square', then wheel is a _____.

(A) Rectangle	(B) Circle
(C) Square	(D) Triangle
- How many pairs of letters are there in the word ACUTE which have as many letters between them in the word as in the alphabet?

(A) Nine	(B) One
(C) Two	(D) Three
- If 'CENTURION' is coded as 325791465 and 'RANK' as 18510, then what will the figure 78510 decode?

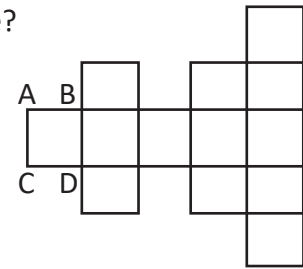
(A) TANK	(B) BANK
(C) TAKE	(D) SANK
- In the problems below instead of conventional symbols +, -, × and ÷, some others symbols are used. However, all lead to the same final answer. Find the correct final answer after assessing the new symbols.

1. $10 * 6 * 7 = x$	2. $3 * 10 * 10 = x$
3. $8 * 5 * 10 = x$	4. $4 * 8 * 11 = x$
(A) 352	(B) -15
(C) 420	(D) 23
- How many 7s immediately preceded by 3 but not immediately followed by 5 are there in the following series of numbers?
5 3 7 5 1 3 7 4 3 7 3 7 5 5 7 3 7 5 7 7 3 5 3 7 5 3 7 5 5 7 3 7 3

(A) 2	(B) 3
(C) 4	(D) 5

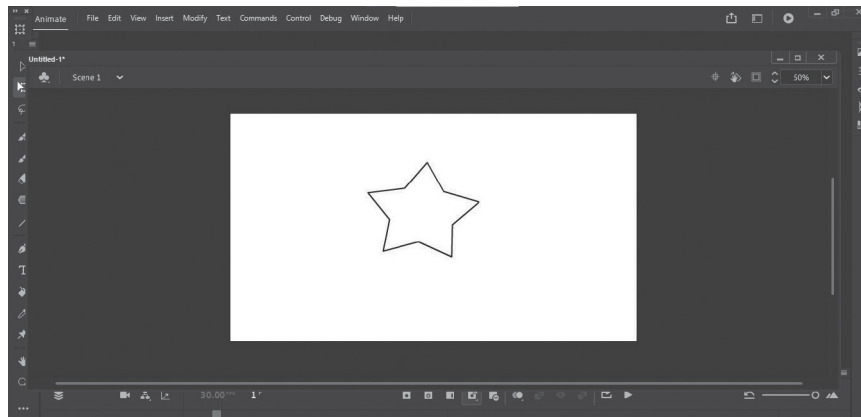


8. In the given figure, the area of square ABCD is A. What is the area of whole figure?
(A) 13 A (B) $13 A^2$
(C) $169 A^2$ (D) 169 A



Section B (Subject Specific)

9. _____ is used to carry out a mechanical or electronic translation of handwritten text.
(A) Ocean Character Run (B) Optical Current Reader
(C) Optical Character Reader (D) All of these
10. Identify which tool in Animate software is able to draw figures as given:



- (A) Pencil Tool (B) Oval Tool
(C) Brush Tool (D) Polystar Tool
11. What is the purpose of the “Slide Master” in Microsoft PowerPoint?
(A) To add animations to individual slides.
(B) To create a consistent layout and formatting for all slides in a presentation.
(C) To insert hyperlinks in the presentation.
(D) To change the theme of a single slide.
12. How to create a checkbox in HTML?
(A) `<checkbox>` (B) `<input type = “check”>`
(C) `<input type = “checkbox”>` (D) `<input type = “button”>`
13. When collaborating on a document, explain how the “Track Changes” feature in Word helps maintain a clear record of edits and suggestions.
(A) It allows you to change the document’s font.
(B) It enables real-time chat between collaborators.
(C) It highlights and tracks modifications made to the document over time.
(D) It automatically corrects spelling mistakes.





14. You can use the mouse or a shortcut key to maximize or restore the document window in Word. Which shortcut key is used to maximize/restore the document window from the list below?

(A) Alt + F10	(B) Ctrl + F10
(C) Alt + F12	(D) Shift + F2

15. Describe how the “Data Validation” feature in Excel contributes to the accuracy of data entry in a worksheet.
 - (A) It automatically calculates the sum of selected cells.
 - (B) It ensures that only valid data is entered into a cell, reducing errors and maintaining data integrity.
 - (C) It creates a pivot table for data analysis.
 - (D) It changes the formatting of selected cells.

16. Which of the following is INCORRECT about Find and Replace in Excel?
 - (A) You can search for bold style and replace with italics
 - (B) You can choose whether to look for the whole word or not
 - (C) You can search for any formula
 - (D) You can search by rows or columns or sheets

17. Which feature of Excel can be used to visually represent the data trends over time of a large dataset for better data analysis?
 - (A) Applying conditional formatting.
 - (B) Inserting a PivotTable.
 - (C) Using the “Chart” feature to create a visual representation of the data.
 - (D) Adjusting column widths and row heights.

18. Which of the following tags can be used to embed a video on a page to include multimedia content while designing a webpage?

(A) <image> tag	(B) <video> tag
(C) <link> tag	(D) All of these

19. Readymade designs that control the formatting and layout of each slide of your presentation are called _____.

(A) Chart Wizard	(B) Template
(C) Placeholder	(D) AutoContent wizard

20. What types of threats does a firewall help prevent?
 - (A) Enhances computer speed
 - (B) Prevents unauthorized access to a network, protecting against malicious activities such as hacking and data breaches
 - (C) Improves file organization
 - (D) Primarily used for antivirus scanning





21. What is the output of the following Excel formula: =AVERAGE(12,3,6)?
(A) 3 (B) 9
(C) 7 (D) 5
22. In Python, what is the purpose of the random module?
(A) To perform mathematical calculations
(B) To manipulate strings
(C) To generate random numbers and perform random-related operations
(D) To control the flow of a program
23. How does the use of Python comments contribute to code readability and maintenance?
(A) Comments are used for exception handling.
(B) Comments are ignored by the Python interpreter and have no impact on code readability.
(C) Comments provide explanatory notes within the code, making it easier for developers to understand and maintain.
(D) Comments are used solely for mathematical operations.

24. Match the following:

(i) Paste Special	(p) Formula
(ii) Ctrl+;	(q) Mixed Cell reference
(iii) =B1+A2	(r) Rounds off the decimal value
(iv) ROUND()	(s) Inserts current date
(v) A\$8	(t) Contains options to paste copied data

- (A) (i) → (t), (ii) → (s), (iii) → (r), (iv) → (q), (v) → (p)
(B) (i) → (t), (ii) → (s), (iii) → (q), (iv) → (r), (v) → (p)
(C) (i) → (s), (ii) → (q), (iii) → (t), (iv) → (r), (v) → (q)
(D) (i) → (t), (ii) → (s), (iii) → (p), (iv) → (r), (v) → (q)
25. Using _____, a person can interact with an artificial three-dimensional (3-D) visual or other sensory world through the use of computer modelling and simulation.
(A) Augmented Reality (B) Virtual Reality
(C) Artificial Intelligence (D) 3-D Modelling
26. Which of the following action is not listed as an option in the suggestions box?
(A) Remove all (B) Ignore
(C) Add all (D) Change





27. Which of the following shortcut keys is used to insert a line break within a single paragraph?
- (A) Shift + Enter (B) Tab
(C) Alt + Tab (D) Ctrl + Enter
28. What feature in Word allows you to organise your document into sections with different formatting?
- (A) Page Layout (B) Styles
(C) Page Breaks (D) Section Breaks

Instruction: Q. 29 to 33 are two-key based questions having four options A, B, C and D out of which TWO are correct.

29. Identify the risk factors which are associated with electronic payment system.
- (A) Fraudulent use of Credit Cards (B) Remote storage of Credit Card details
(C) Setting up security pin (D) Changing password/pin frequently
30. Identify the methods to transfer money electronically from one account to another instead of using cheque/cash.
- (A) NEFT (B) SMS
(C) RTGS (D) LAN
31. How can you duplicate a slide in PowerPoint?
- (A) Right-click the slide thumbnail that you want to duplicate, and then click Duplicate Slide.
(B) Redo everything on new slide.
(C) Select the original slide and press Ctrl + d on the keyboard.
(D) Click the slide and select it using Ctrl + A, then copy it and paste it into new slide.
32. Identify the 2 methods of creating a symbol.
- (A) Select Element and click on File a Symbol.
(B) Click on Insert a Symbol to create a Symbol.
(C) Select Element and click on Modify a Convert To Symbol.
(D) Right-click on the element and select Convert To Symbol from the popup menu.
33. In Adobe Animate, to select everything on every layer of a scene, select _____.
- (A) Edit → Select All (B) Shift + A
(C) Modify → Arrange All (D) Ctrl + A

Section C (Competency Enhancement)

34. Now, Meena is studying Python. Predict the output of the following code for Meena:
- ```
print(2* "HI-" * 3)
```
- (A) HI-HI-HI-HI-HI-HI- (B) HI-HI-HI-  
(C) HI-HI- (D) None of these



35. Manoj is studying about worms. Identify the true statement for Manoj.
- (A) Self-replicating viruses that automatically spread through computers and networks by taking advantage of security flaws.
  - (B) Worms are only active when a user launches an existing programme.
  - (C) Worms come in several types and hide within the operating system.
  - (D) All of these
36. Abhijeet is studying about Multimedia. Help Abhijeet identify a characteristic of a multimedia system.
- (A) High storage
  - (B) Slow data rates
  - (C) High storage and high data rates
  - (D) None of these
37. You are designing a Python program that simulates a simple game. How would you use Python features to implement a scoring system that increments based on user actions during the game?
- (A) By creating a separate function for each game action.
  - (B) Using a loop with an if statement to check user actions and increment the score accordingly.
  - (C) Applying the try...except blocks to handle scoring exceptions.
  - (D) Embedding the score calculations directly in the main loop.
38. Meenakshi writes an algorithm to add 2 numbers. She is asked by her teacher to convert the algorithm into pictorial form. This pictorial form is called \_\_\_\_\_.
- (A) Program
  - (B) Syntax
  - (C) Pseudocode
  - (D) Flowchart
39. You want to emphasize a key point during your presentation by showing related images or diagrams. How would you use PowerPoint features to incorporate these visuals effectively?
- (A) Inserting a video clip on a slide.
  - (B) Utilizing the “SmartArt” feature to create visual diagrams.
  - (C) Applying a transition between slides.
  - (D) Adjusting the font style for emphasis.
40. Janvi wrote a report with different sections and wants to create a table of contents for easy navigation. How would she use Word features to achieve this organisational structure?
- (A) By applying different fonts to each section.
  - (B) By using the “Table of Contents” feature to generate an automated list based on heading styles.
  - (C) By inserting hyperlinks to each section manually.
  - (D) By changing the document’s page orientation.





coding



click



Presentation



web

