

CYBER

Grade 7

National Level Examination

NLE 2025

Subject Code:

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Total Questions: 40

Total Marks: 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.

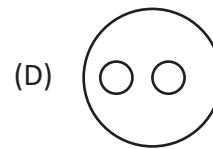
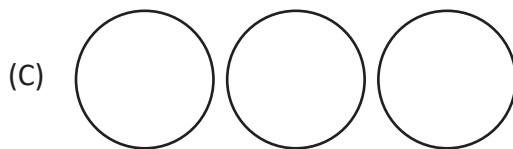
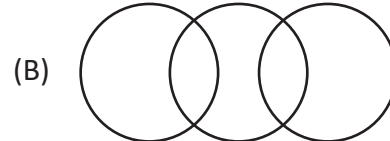
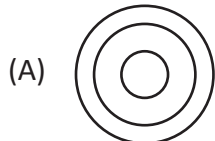


This question paper contains a total of 40 questions divided into three sections - A, B and C.
Read the instructions carefully before attempting these questions.

Section A (Logical Reasoning)

1. Which of the following diagram shows the relationship amongst the three given classes?

Penguin, Eagle, Birds



2. At 12:00 noon, a person is standing upright facing North. In which direction will his shadow fall?

- (A) North (B) South
(C) Beneath the person (D) West

3. Five people (P, Q, R, S, T) are sitting in a row. The following conditions are given:

- (i) P is sitting next to Q.
(ii) S is sitting at one of the ends.
(iii) R is sitting to the left of T but not immediately next to him.
(iv) Q is sitting between R and T.

Who is sitting in the middle?

- (A) P (B) Q
(C) R (D) T

4. In the given question, three out of the four alternatives are same in a certain way and so form a group.
Find the odd one that does not belong to the group.

- (A) MORV (B) CEHL
(C) CENT (D) JLOS

5. If \div means $+$, \times means $-$, $+$ means \div , and $-$ means \times , what will be the value of y in the equation $y \times 7 \div 27 + 3 = 2 - 8 \times 2$?

- (A) 12 (B) 10
(C) 16 (D) 18



6. Find the missing character in the following:

D	M	V
F	P	Z
H	S	?

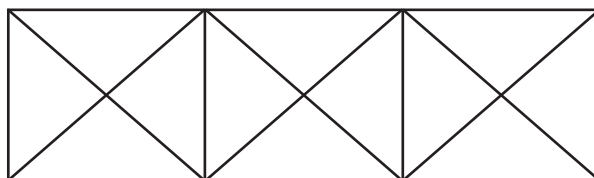
- (A) D (B) C
(C) I (D) G

7. Complete the following series:

ABC, 6, EFG, 18, IJK, ?

- (A) 19 (B) 25
(C) 30 (D) 27

8. How many triangles are there in the given figure:



- (A) 28 (B) 24
(C) 25 (D) 26

Section B (Subject Specific)

9. Which software is available with the source code that can be modified and distributed freely?

- (A) Proprietary (B) Firmware
(C) Open Source (D) Cloud

10. Match the following columns:

Column 1	Column 2
(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)



11. How to create a checkbox in HTML?
 - (A) <checkbox>
 - (B) <input type = "check">
 - (C) <input type = "checkbox">
 - (D) <input type = "button">
12. Which technology was primarily used in the third generation of computers?
 - (A) Vacuum tubes and transistors
 - (B) Integrated circuits (ICs) with SSI and MSI technologies
 - (C) Microprocessors
 - (D) Quantum circuits
13. If the binary number 10111_2 is multiplied by 5 in decimal, what is the result in binary?
 - (A) 1011101_2
 - (B) 1010111_2
 - (C) 1000111_2
 - (D) 1110011_2
14. Which of the following function is not common for an action button?
 - (A) Linking to external websites
 - (B) Navigating between Slides
 - (C) Formatting the text
 - (D) Triggering Animations
15. Which feature of MS Word is used to find a word that has a similar meaning?
 - (A) Font
 - (B) Thesaurus
 - (C) Spellings
 - (D) Grammar
16. What will the following pseudocode print?


```
FOR i = 0 TO 6 DO
  IF i = 5 THEN
    PRINT "Five"
  ELSE
    PRINT i
  END IF
END FOR
```

 - (A) 01234Five6
 - (B) Five
 - (C) Five0123456
 - (D) Five012346
17. What is the purpose of Augmented Reality (AR)?
 - (A) To block Internet access
 - (B) To overlay digital objects in the real world
 - (C) To store files in the cloud
 - (D) To track social media activities
18. Which attribute of the input element is used to specify that the data entered should not be visible and is treated as sensitive information?
 - (A) Text
 - (B) Password
 - (C) Hidden
 - (D) Textarea



19. Which of the following conversions is CORRECT?
- (A) $(1001)_2 = (10)_{10}$ (B) $(10011)_2 = (19)_{10}$
(C) $(1111)_2 = (17)_{10}$ (D) $(10001)_2 = (20)_{10}$
20. Which spreadsheet function is designed to minimize or maximize a result based on a set of rules that you describe?
- (A) Goal Seek (B) Scenario
(C) Solver (D) Subtotal
21. Which of the following is commonly used as a data source in Mail Merge?
- (A) A Word document
(B) An Excel spreadsheet
(C) An Image file
(D) A PDF file
22. What does a browser hijacker typically do?
- (A) Increases browser speed
(B) Alters browser settings without the user's consent
(C) Protects the browser from malware
(D) Encrypts browser data
23. A file's size is listed as 5 Mb. Calculate its exact size in bytes.
- (A) 5,000,000 Bytes (B) 625,000 Bits
(C) $5 \times 124 \times 1024$ Bytes (D) 625,000 Bytes
24. What happens when you copy a formula $=\$G\$56+\$K\4 to another cell?
- (A) The references change according to the new position
(B) The references remain the same
(C) The row number remains fixed but column changes
(D) The column remains fixed but row changes.
25. If the octal number 341_8 is converted to decimal and then divided by 3, what will the quotient be in octal?
- (A) 145_8 (B) 113_8
(C) 103_8 (D) 121_8
26. Analyse the given statements about the VGA connector and identify the INCORRECT one based on its design features and usage.
- (A) It is a 15-pin D-subminiature connector, commonly referred to as a D-sub or DB15 connector.
(B) It is also similar to the serial port.
(C) The VGA connector is usually blue.
(D) It has five rows of three pins.



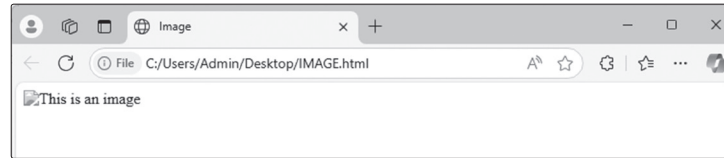


27. Ankit tries to insert an image in HTML using the following code:

```

```

Instead of the image he gets the output as shown in the screenshot.



What can be the possible reason?

- (A) The alt attribute is incorrectly used.
 - (B) The src attribute is not defined correctly in the .
 - (C) The image file star.jpg is not found or is missing from the specified path.
 - (D) Instead of jpg, jpeg should be used.
28. What type of malware is most likely responsible for causing a browser to display numerous unwanted ads and causing a slowdown in browsing performance, as shown in the given image?
- (A) Spyware
 - (B) Trojan Horse
 - (C) Adware
 - (D) Ransomware



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. Which of the following are important uses of the Internet of Things (IoT)?
- (A) Monitoring health using fitness trackers
 - (B) Playing video games
 - (C) Controlling home appliances remotely
 - (D) Writing letters
30. Which two buttons in the <form> tag is used to send all the collected data to the server?
- (A) Submit
 - (B) Reset
 - (C) Output
 - (D) Input
31. Which of the following are emerging trends in data privacy and protection?
- (A) Data encryption
 - (B) Public access to personal data
 - (C) Blockchain-based privacy systems
 - (D) Decentralised data storage
32. What are commonly used control structures in coding?
- (A) Variable
 - (B) Loop
 - (C) Control Statement
 - (D) Debugging
33. 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.



**Section C (Competency Enhancement)**

34. Nitin is learning about different data types used in Excel. He encounters a scenario where H1 contains the text "100students" and H2 holds the number 100. When he uses the formula =H1 + H2, what result does he get?
- (A) 200 (B) 100students100
(C) 100students (D) #VALUE!
35. 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
36. Jatin is reading about blockchain technology and is trying to understand how it is secured. Which of the following options correctly completes the statement about its security?
(A) Pin code (B) Hash code
(C) Password (D) Login
37. Rohit is working on a PowerPoint presentation and wants his video to play automatically when the slide appears. Which option should he select under the video playback settings?
(A) On Click (B) After Previous
(C) Automatically (D) Manually
38. Priya's computer started acting strangely after opening an email attachment from an unknown sender. Her browser redirected to unknown websites, and files disappeared. An antivirus scan didn't help. What is most likely causing these problems?
(A) A system crash (B) Malware
(C) Network issues (D) Firewall
39. Ms. Bhatia is teaching the COUNT function in Excel and challenges her students with a question. What will be the output of the formula =COUNT("amit", 5, "naina")?
(A) 3 (B) 2
(C) 1 (D) 0
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 using the "Table of Contents" feature to generate an automated list based on heading styles
(B) By applying different fonts to each section
(C) By inserting hyperlinks to each section manually
(D) By changing the document's page orientation



