



CYBER

School Level Examination

GRADE

10

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 an **HB Pencil** only.

- * You **MUST** record your answers on the **ANSWER SHEET.**
- * There are 50 **MULTIPLE CHOICE QUESTIONS.** Use the information provided to choose the **BEST** answer among the four possible options.

On your **ANSWER SHEET** fill in the oval that matches your answer.

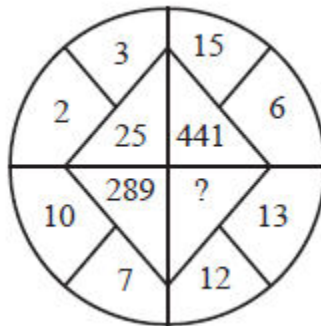
- * Marks are **NOT** deducted for incorrect answers.
- * Return the **Answer Sheet** to the invigilator at the end of the examination.
- * Write your Roll No. on the Question Paper too and take it home for future reference.
- * You are **NOT** allowed to use a calculator.

You may use a ruler and spare paper for rough work.

Section - A

(This section contains 10 multiple choice questions. Each question has four choices (A), (B), (C) and (D), out of which only ONE is correct.)

1. Doctor : Patient :: Writer : _____
(A) Manuscript (B) Comic
(C) Art (D) Sculpture
2. Vijay introduces Rekha by saying "her mother's brother is the only son of my mother's father." How is the girl's mother related to Vijay?
(A) Mother (B) Sister-in-Law
(C) Grandmother (D) Sister
3. Suraj started from his home and moved 80 Km towards South. He then turns left and walks another 60 Km. How far is he from home?
(A) 90 Km (B) 100 Km
(C) 110 Km (D) 120 Km
4. Find the missing number



- (A) 25 (B) 625
(C) 125 (D) 263
5. Five kids, Aakash, Varun, Aarushi, Neha and Priya are sitting in a row.
 - i. Varun is between Priya and Aarushi
 - ii. Varun is to the right of Priya
 - iii. Neha is between Aakash and Priya

Who is sitting in the middle?

(A) Aarushi

(B) Priya

(C) Neha

(D) Varun

6. How many even numbers are there in the sequence which are immediately followed by an odd number?

3 5 4 6 8 4 3 5 4 1 6 7 9 6 8 7 4 1 9 6 8 7 9 6

(A) 2

(B) 3

(C) 4

(D) 6

7. In a row of boys, Kapil is eighth from the right and Nikunj is twelfth from the left. When Kapil and Nikunj interchange positions, Nikunj becomes twenty-first from the left. Which of the following will be Kapil's position from the right?

(A) 22nd

(B) 17th

(C) 21st

(D) 8th

8. What comes next in the following series?

15, 3, 45, 4, 180, 5, _____

(A) 900

(B) 800

(C) 180

(D) 680

9. Pick the odd one out.

(A) Hammer

(B) Wrench

(C) Crowbar

(D) Drill

10. If cushion is called pillow, pillow is called mat, mat is called bedsheet and bed sheet is called cover, what is spread on the floor?

(A) Pillow

(B) Bedsheet

(C) Mat

(D) Cover

Section - B

(This section contains 25 multiple choice questions. Each question has four choices (A), (B), (C) and (D), out of which only ONE is correct.)

11. Who invented the Tabulating machine?

- (A) Blaise Pascal
- (B) Herman Hollerith
- (C) Charles Babbage
- (D) John Napier

12. What did the second generation computers used to store data?

- (A) Vacuum tube
- (B) Transistors
- (C) Magnetic tapes
- (D) Punch cards

13. _____ is a set of instruction that directs the computer to work without human interference.

- (A) Compiler
- (B) Software
- (C) Code
- (D) None of these

14. Which of the following is not a supercomputer?

- (A) PARAM
- (B) Summit
- (C) Hydra
- (D) Cray S90

15. Which of the following is equal to 11110?

- (A) $(25)_8$
- (B) $(98)_8$
- (C) $(36)_8$
- (D) $(89)_8$

16. Identify the odd number from the following binary numbers.

- (A) 111000
- (B) 1001010
- (C) 10110
- (D) 10101

17. Which of the following is an incorrect hexadecimal number?

- (A) 69
- (B) 41A
- (C) 290G
- (D) 2901

18. Who created WWW?

- (A) Tim Berners Lee
- (B) Dennis Ritchie
- (C) Guido Von Rossum
- (D) James Gosling

19. Which of the following element is used to add a line break?

- (A) <q>
- (B)

- (C) <r>
- (D) <s>

20. Which is the most commonly used web server software?

- (A) Apache
- (B) Caddy
- (C) CheroKee
- (D) Windows Server

21. Identify the INCORRECT statement.

- (A) The network formed by the co-operative interconnection of a large number of computer network is known as Internet.
- (B) No single person or corporation owns the Internet
- (C) Internet is a community of people who use and develop the networks to develop a collection of resources that can be used by those using the Internet.
- (D) Internet is a setup to facilitate disintegration and noncooperation among members of the research and educational communities world-wide.

22. Which of these is NOT a correct match with the feature of an E-mail program?

- (A) Compose: With this feature you can write a message to one person or to several people together. This feature allows you to send different types of files as attachments along with your message.
- (B) Inbox: When we login to our E-mail account we can see how many new messages we have in our inbox. To open a message, click on the message.
- (C) Outbox: This folder stores the messages have been marked important by the user
- (D) Drafts folder saves the messages that are to be sent later.

23. A DBMS that combines a DBMS and an application generator is _____.

- (A) Microsoft's SQL Server
- (B) Microsoft's Access
- (C) Oracle Corporation's Oracle
- (D) IBM's DB2

24. Which of these is a value unique to a table?

- (A) Primary Key
- (B) Secondary key
- (C) Candidate key
- (D) Foreign key

25. What is a logical schema?

- (A) A standard way of organizing information into accessible parts
- (B) An entire database
- (C) How data is actually stored in a disk
- (D) All of the above

26. Which of these is the syntax to use bgcolor attribute?

- (A) <tagname bgcolor="color_list"...>
- (B) <tagname bgcolor="color_value"...>
- (C) <tagname bgcolor="color_value"...>
- (D) <tagname backgroundcolor="color_value"...>

27. Which of these is NOT a colour name in the W3C Standard 16 Colors list?

- (A) Fuchsia
- (B) Aqua
- (C) Teal
- (D) Azure

28. What is the meaning of Hypertext?

- (A) Ordinary text that has an extra feature of linking to other documents
- (B) Super special text
- (C) Text that is hyper
- (D) Special text that has an extra feature of linking to other documents

29. A keyword that specifies the properties of an element in HTML.

- (A) Tag
- (B) Design
- (C) Command
- (D) Attribute

30. Which of these is NOT an advantage of E-governance?

- (A) Transparency: Citizens can see information whenever they want to see. This will offer transparency. This process has many ways to conceal information.

- (B) Speed: Technology makes communication faster. Internet, phones, cell phones have reduced the time taken in normal communication.
- (C) Cost Reduction: Paper-based communication needs lots of stationary, printers, computers, etc. which calls for continuous heavy expenditure.
- (D) Accountability: Once the governing process is made transparent, the Government is automatically made accountable. Accountability is answerability of the Government to the people for the deeds of the Government. An accountable Government is a responsible Government.

31. What is virology?

- (A) It is a branch of science that revolves around computer viruses.
- (B) It is a branch of science that revolves around study of viruses.
- (C) It is a study of how viruses are contagious.
- (D) It is a study of how bacterium break down the nervous system.

32. Which of these is the most common way of spreading viruses?

- (A) Pen drives
- (B) CD
- (C) E-mails
- (D) None of these

33. Which type virus uses special techniques to stay undetected?

- (A) Trojan horse
- (B) Worm
- (C) Stealth Virus
- (D) Macro Virus

34. What does Payload mean?

- (A) It means paying for a load of goods.
- (B) It means concealed harmful code that can cause some damage.
- (C) It means weapons.
- (D) All of the above

35. All viruses are dangerous. Is this correct?

- (A) All viruses degrade operating systems, and are all dangerous
- (B) All of them can instantly destroy a computer internally
- (C) Many are dangerous, but some can only self-replicate
- (D) All of them are nuisances, but none are dangerous

Section C

(This section contains 15 multiple choice questions. Each question has four choices (A), (B), (C) and (D), out of which only TWO are correct.)

36. Input in its raw form is known as _____ and the output we get from processing it is called _____.

- (A) Program (B) Data
(C) Code (D) Information

37. 1 TB = _____ gb and _____ kb.

- (A) 1,073,742,180 (B) 1024
(C) 2048 (D) 2,147,484,360

38. Which of the following notations are used in hexadecimal number system?

- (A) F (B) G
(C) B (D) H

39. Binary number 100101 can be represented as (____)₈ or (____)₁₀.

- (A) 37 (B) 48
(C) 38 (D) 47

40. An information system on the Internet which allows the documents to be interconnected by _____ is called the _____.

- (A) Hyperlinks (B) Cables
(C) World Wide Web (D) Consortium

41. Every computer on the Internet is a _____ and has an _____ address.

- (A) Client (B) Unique
(C) Server (D) Node

42. A cashier at a restaurant steals a ₹1 from every bill he processes. This is an example of _____ which is a type of _____.

- (A) Salami shaving (B) Forgery
(C) Memory shaving (D) Salami slicing

43. The _____ of a _____ is the number of occurrences in one entity which are associated or linked to the number of occurrences in another.

- (A) Details
- (B) Relationship
- (C) Key
- (D) Degree

44. A column or a group of columns that can be used as the primary key of the table is called a _____ key and a _____ key is combination of two or more columns in a table.

- (A) Composite
- (B) Group
- (C) Candidate
- (D) Composition

45. _____ tag is used to insert an image in a webpage and it is a/an _____ tag.

- (A)
- (B) <src>
- (C) Blank
- (D) Empty

46. To ensure one's _____ at work, one should refrain from making personal calls on a work phone and avoid using company E-mail for _____ purposes.

- (A) Official
- (B) Privacy
- (C) Personal
- (D) Publicity

47. Computers can understand only two signals while interpreting data _____ and _____.

- (A) On
- (B) Off
- (C) 1
- (D) 0

48. A _____ is a kind of digital code or credential that _____ the identity of the server.

- (A) Authenticates
- (B) Signature
- (C) Digital Certificate
- (D) Copies

49. Which of the following are fifth-generation programming languages?

(A) Prolog

(B) SQL

(C) Mercury

(D) COBOL

50. Which is typically the smallest and the longest?

(A) Byte

(B) Nibble

(C) Bit

(D) Word

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