School Level Examination
SLE 2022

Total Questions: 50

Time: 1 hour

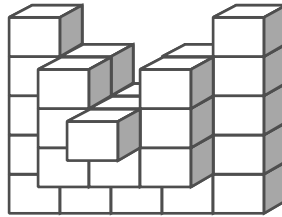## DO NOT OPEN THIS BOOKLET UNTIL INSTRUCTED TO DO SO

➤ 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 Ball Pen** 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** answer among the four possible 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.
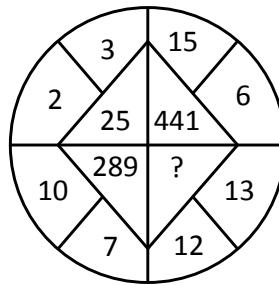You may use a ruler and spare paper for rough work.

Section A (Logical Reasoning)

(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. Count the number of cubes in the figure that follows.

   (A) 25   (B) 30

   (C) 32   (D) 34

2. Find the missing number.

   (A) 25   (B) 125

   (C) 225   (D) 625

3. In a certain code, GIGANTIC is written as GIGTANCI. How is MIRACLES written in that code?

   (A) MIRLCAES   (B) MIRLACSE

   (C) RIMCALSE   (D) RIMLCAES

4. Laxman went 15 kms to the west from his house, then turned left and walked 20 kms. He then turned East and walked 25 kms and finally turning left, he covered 20 kms. How far was he from his house finally?

   (A) 5 kms   (B) 10 kms

   (C) 40 kms   (D) 80 kms

5. Which term of the series 5, 10, 20, 40, _____ , is 1280?

   (A) 8th   (B) 9th

   (C) 10th   (D) 11th

6. Genuine : Authentic :: Mirage : ___?___

   (A) Image   (B) Transpiration

   (C) Reflection   (D) Illusion

7. X introduces Y saying, "He is the husband of the grand daughter of the father of the my father." How is Y related to X?

   (A) Brother   (B) Son

   (C) Brother-in-law   (D) Nephew

8. If A stands for +, B stands for −, C stands for ×, then what is the value of

   (10 C 4) A (4 C 4) B 6?

   (A) 46   (B) 50

   (C) 56   (D) 60

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

   5 1 4 7 3 9 8 4 7 2 6 3 1 5 8 6 3 8 5 8 8 4 3 4 9 6

   (A) 1   (B) 2

   (C) 3   (D) More than 4

10. In a certain code language, '617' means '*sweet and hot*'; '735' means '*coffee is sweet*' and '263' means '*tea is hot*'. Which of the following would mean '*coffee is hot*'?

    (A) 731   (B) 536

    (C) 367   (D) 753

Section B (Subject Specific)

(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. A _____ is a collection of related Web pages linked to each other by hyperlinks.

    (A) website   (B) web page

    (C) server   (D) web browser

12. _____ means using a computer to deliver part, or all of a course whether it's in a school, part of business training or a distance learning course.

    (A) e-learning   (B) e-banking

    (C) e-commerce   (D) e-reservation

13. At the technical and developmental level, the Internet is made possible through creation, testing and implementation of Internet standards. These standards are developed by the _____.

    (A) Internet Ethics Task Force   (B) International Ethics Task Force

    (C) Internet Enhancement Task Force   (D) Internet Engineering Task Force

14. We use _____ keyword to find the number of values in a column.

    (A) ADD   (B) TOTAL

    (C) COUNT   (D) SUM

15. In video conferencing, you are able to _____.

    (A) only see the other person   (B) only talk to the other person

    (C) touch the other person   (D) both talk and see the other person

16. An HTML table is defined with the <table> tag. Some of the statements about <table> tag are given below. Choose the INCORRECT one.

    (A) Each table row is defined with the <tr> tag.   (B) A table header is defined with the <th> tag.

    (C) By default, table headings are bold and centered. (D) A table data/cell is defined with the <tc> tag.

17. Which of these websites is NOT an e-commerce site?

(A)

(B) **CLiQ**

(C)

(D)

18. Which of these programs CANNOT be used to view an HTML document?

(A)

(B)

(C)

(D)

19. _____ file infects the executable code files such as .exe, .com, .drv, .sys etc. It however becomes active when the infected file is executed.

(A) Worm

(B) Trojan

(C) Spyware

(D) Parasitic virus

20. The bgcolor attribute is used to control the background of an HTML element, specifically page body and table backgrounds. The syntax to use bgcolor attribute with any HTML tag is _____.

(A) <tagname backgroundgcolor="color_value"...>

(B) <tagname bcolor="color_value"...>

(C) <tagname bgcolor="color_value"...>

(D) <tagname bg olor="color_list"...>

21. Your friend is working for a web designing company where he is currently working on a website of a school. He writes code to print some text on a web page. But instead of following OUTPUT1, he is getting OUTPUT2. As a friend suggest him correct code for the desired output.

Mathematical Formula

A^2+B^2+2AB

Chemical Formula

NA_2HPO_4

OUTPUT1

Mathematical Formula

A2+B2+2AB

Chemical Formula

NA2HPO4

OUTPUT2

(A) Mathematical Formula
    <P>A² + B2+ 2AB</P>
    Chemical Formula
    <P>NA₂ HO4</P>

(B) Mathematical Formula
    <P>A2 + B2 + 2AB</P>
    Chemical Formula
    <P>NA2HPO4</P>

(C) Mathematical Formula
    <P>A² + B² + 2AB</P>
    Chemical Formula
    <P>NA₂ HPO₄</P>

(D) Mathematical Formula
    <P>A₂ + B₂ + 2AB</P>
    Chemical Formula
    <P>NA² HPO⁴</P>
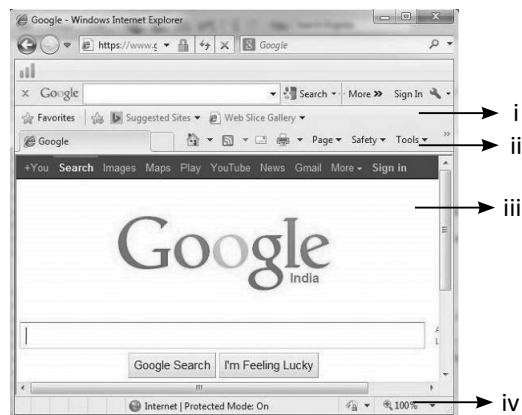
22. What do we achieve by using AI in education?

(A) Quality education

(B) Quality food

(C) Quality books

(D) Quality time

23. The researchers in the Human Brain Project have produced a _____ atlas of the brain which has fifty times the resolution of previous such maps.

    (A) 1-dimensional
    (B) 2-dimensional
    (C) 3-dimensional
    (D) multi-array based

24. The first documented extraction of a virus on a computer was performed by _____ in the year 1987.

    (A) John Neumann
    (B) Bernd Fix
    (C) Paul Stalman
    (D) Linus Torvalds

25. Microsoft _____ is a relational database management system developed by Microsoft.

    (A) MySQL
    (B) SQL Server
    (C) Both (A) and (B)
    (D) Network

26. Your passwords should NOT consist of _____.

    (A) names of people close to you
    (B) lowercase letters
    (C) special characters
    (D) numbers

27. Which of the following options represents the correct labelling?

    (A) (i) Document area (ii) Command bar (iii) Favorites bar (iv) Status bar
    (B) (i) Command bar (ii) Document area (iii) Favorites bar (iv) Status bar
    (C) (i) Document area (ii) Command bar (iii) Status bar (iv) Favorites bar
    (D) (i) Favorites bar (ii) Command bar (iii) Document area (iv) Status bar

28. When using external CSS in your HTML file, you will write the following code

    <link rel = "stylesheet" type = "___?___" href = "address">

    What will come in place of (?) ?

    (A) C&S
    (B) Style sheet
    (C) test/CSS
    (D) External

29. Which of the following technologies is used in autonomous drones?

    (A) Machine learning
    (B) Computer version
    (C) NLP
    (D) None of these

30. Python can be used for _____.

    (A) web programming development
    (B) data analysis
    (C) GUI application development
    (D) all of these

31. What will be the value of the following Python expression?

12 + 5 % 4

(A) 12 (B) 13

(C) 15 (D) 11

32. Which of the following is not a supercomputer?

(A) PARAM (B) Summit

(C) CDC 1700 (D) Sierra

33. A _____ helps people keep track of things.

(A) relationship (B) database

(C) table (D) instance

34. Which of these is NOT a component of URL?

(A) Protocol (B) Subdomain

(C) IP Address (D) Domain extension

35. In Internet banking, the security of transactions is a big issue. Your account information might get _____ by unauthorized people over the Internet.

(A) copied (B) shuffled

(C) deleted (D) hacked

Section C (Competency Based)

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

36. A search engine is a software program that provides the required information in the form of a list of related websites, based on a search criterion defined by the user. Most commonly used search engines are _____.

(A) (B)

(C) (D)

37. Which of the following are the utility software?

(A) Disk Defragmenter (B) Antivirus Software

(C) Microsoft Word (D) Notepad

38. The hexadecimal number system consists of _____ and _____.

(A) 0 to 9 (B) A to F

(C) A to E (D) 0 to 7

39. The _____ refers to the banking service provided by the banks over the Internet. You can _____ through it.

(A) internet banking (B) ATM

(C) update your passbook (D) transfer funds

40. 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 a combination of two or more columns in a table.

    (A) candidate   (B) group

    (C) composite   (D) combination

41. An _____ is a collection of related items that have no special order or sequence. This list is created by using HTML _____ tag. Each item in the list is marked with a bullet.

    (A) ordered list   (B) unordered list

    (C)   (D)

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

    (A) digital certificate   (B) signature

    (C) digital copy   (D) authenticates

43. Which of these is NOT a data type category?

    (A) Numerical   (B) Character/String

    (C) Signs   (D) Special character

44. 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) privacy   (B) publicity

    (C) personal   (D) official

45. You are creating employee data of your company. You want that your date of birth should be written as 24 June 1980 or Tuesday, 24 June 1980 instead of 24/6/1980. What data type will you choose for that?

    (A) Date   (B) Long date

    (C) Short date   (D) Medium date

46. Which of the following statements is false regarding FTP?

    (A) You can only copy file.

    (B) You cannot rename, delete, or otherwise change the original files that are present on servers.

    (C) It is an internet facility which allows you to log on to remote computer.

    (D) FTP is originally designed for only UNIX operating system.

47. The _____ data backup or _____ data backup is a method of off-site storage in which data is regularly backed up over a network on a remote server, typically hosted by a service provider.

    (A) online   (B) offline

    (C) remote   (D) on-site

48. Sangeeta is going for conference where she needs to give presentation to the audience. She does not want to carry her laptop and pen drive. Help her to find a solution.

    (A) She can use google drive.   (B) She can use drop box.

    (C) She can carry a DVD.   (D) She can take hard copy with her.

49. Which of the following are empty tags?

    (A) <B>   (B) <HR>

    (C)
                        (D) <BODY>

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

    (A) hyper links   (B) cables

    (C) world wide web   (D) consortium