



School Level Examination
SLE 2022

GRADE
9

CYBER

Subject Code:

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Total Questions: 50

Time: 1 hour

DO NOT OPEN THIS BOOKLET UNTIL INSTRUCTED TO DO SO

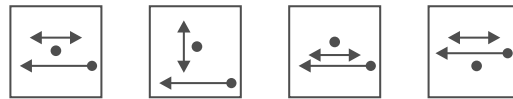
- All questions are compulsory.
- Read the instructions on the **ANSWER SHEET** and fill in your **NAME, CLASS** and **OTHER INFORMATION**.
- To mark your choice of answer by darkening the circles in the **ANSWER SHEET**, use a **Blue/Black Ball Pen** only.
- You **MUST** record your answers on the **ANSWER 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.

CYBER

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.)

- Which one of the given responses would be a meaningful order of the following?
 (p) Call letter (q) Application
 (r) Advertisement (s) Interview
 (t) Appointment order
 (A) (r), (p), (q), (t), (s) (B) (r), (q), (p), (s), (t)
 (C) (q), (p), (r), (s), (t) (D) (t), (s), (r), (q), (p)
- Neelam, who is Rohit's daughter, says to Indu, "Your mother Reeta is the younger sister of my father, who is the third child of Sohanji." How is Sohanji related to Indu?
 (A) Grandfather (B) Father-in-law
 (C) Father (D) Uncle
- Choose the odd one out.



- (A) 
- (B) 
- (C) 
- (D) 

- Arrange the given words in a logical order:
 i. Gold ii. Silver iii. Copper iv. Platinum v. Diamond
 (A) i, iv, iii, v, i (B) iii, ii, i, v, iv
 (C) iv, v, i, iii, ii (D) v, iv, iii, ii, i
- Sarika and Balvinder are standing together on a sunny day. Sarika's shadow is 10 feet long and Balvinder's shadow is 9 feet long. How tall is Balvinder?
 Which of following statements are sufficient to answer the question?
 Statement I. Sarika is 4 feet tall.
 Statement II. Sarika is standing 3 feet away from Balvinder.
 (A) Statements I and II both are needed.
 (B) Statement II alone is sufficient to answer the problem.
 (C) Statement I alone is sufficient to answer the problem.
 (D) Statements I and II both are not sufficient.
- Choose the correct alternative from the ones given below to complete the series.

4	5	10
36 2	49 2	? 2

- (A) 100 (B) 144
 (C) 64 (D) 55

7. Area of a square is four times the area of a rectangle. The length of the rectangle is 25m and its width is 1m less than one-fifth of its length. The perimeter of the square is _____.
 (A) 40 m (B) 60 m
 (C) 80 m (D) 120 m
8. Cube is related to square in the same way as square is related to _____.
 (A) plane (B) triangle
 (C) line (D) point
9. In a certain code, PRODUCTS is written as NPMBSARQ. How is COMPREHENSION written in that code?
 (A) AMKNPCFLOMLQ (B) AMKNPCFCLQGML
 (C) AMKNPCFCLQGNL (D) AMKNPCFCKOMLG
10. Sunny went towards South and then turned East and from there took a left and then right. In which direction is Sunny going now?
 (A) North (B) East
 (C) West (D) South

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. Which computer characteristic enables it to perform approximately 3-4 million instructions per second?
 (A) Accuracy (B) Speed
 (C) Diligence (D) Versatility
12. A _____ has a heart rate sensor. It is a simple smart watch with no background and various other sensors whose functionality goes beyond timekeeping.
 (A) Analogue watch (B) Smart watch
 (C) Digital watch (D) Time piece
13. Which of the following does real world application of IT NOT include?
 (A) Computer software which is used to manage basic computer applications
 (B) Computer generated animation in popular serials and movies
 (C) Online shopping
 (D) Detection of a disease by a medical practitioner using traditional methods
14. The term process scheduling means _____.
 (A) the process that handles the removal of a running process from the CPU and the selection of another process
 (B) the process that handles the editing of a running process in the CPU and the performance of running processes
 (C) the schedule that handles the allotment of RAM to a new process from the CPU and the selection of another process from the recycle bin
 (D) the process that deletes all the currently running processes from the CPU and creates another new process
15. A shape that you move to select objects and tools on the display screen is called the _____.
 (A) design (B) pointer
 (C) cursor (D) language



16. A program consisting of a grid like structure that can be used to organize, analyse and graphically represent data in rows and columns is called a _____ software.
- (A) database (B) spreadsheet
(C) presentation (D) word processing
17. A 1 Terabyte capacity hard disk can hold approximately _____ digital photos in JPEG if we assume 1 JPEG image is 5 MB.
- (A) 2,00,000 (B) 2,80,000
(C) 2,50,000 (D) 3,10,000
18. Which of the following function will calculate the number of days between two dates in MS Excel?
- (A) Days([End_date], [Start_date]) (B) Dift([End_date], [Start_date])
(C) Today([End_date], [Start_date]) (D) Time([End_date], [Start_date])
19. The computer networks are classified on the basis of _____.
- (A) area (B) region
(C) language (D) country
20. Which of these is NOT a feature of system software?
- (A) They are designed to run hardware and application programs.
(B) They are very easy to understand.
(C) They are very difficult to develop.
(D) They are generally written in low level language.
21. The developments in the field of information technology have eliminated numerous _____ that traditionally separated individuals, organisations and societies at different geographic locations.
- (A) pathways (B) barriers
(C) passages (D) networks
22. Which of the following is an INCORRECT advantage of a distributed operating system?
- (A) Due to the resource sharing facility, a user at one node can use the resources available at another node.
(B) It gives more performance than a single system.
(C) More resources can be added easily.
(D) System is secure due to sharing of resources.
23. Choose the INCORRECT statement.
- (A) Designing a good user interface is critical to the success of a system.
(B) A good user interface encourages an easy and natural interaction between a user and a system.
(C) A GUI should be complex so that not any or every one can use it.
(D) User should be able to use the interface for long durations of time.
24. In most of the PCs, the CPU, the device drives, memory expansion slots and active components are mounted on a single _____.
- (A) motherboard (B) breadboard
(C) speakerboard (D) circuitboard
25. The medium of communication that integrates different types of media together, such as text, audio, video, computer graphics, and animation is known as _____.
- (A) multimedia (B) media
(C) integration (D) Artificial intelligence

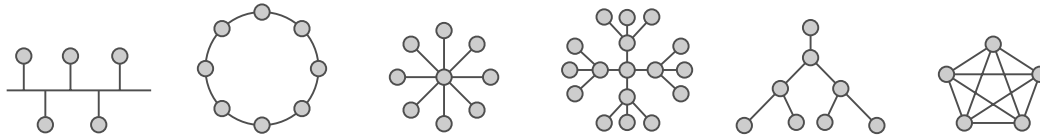
26. Anshika has opened her new advertisement business. For this she wants to purchase some software. So before purchasing them, she wants to try out strength and weakness of those software. For this, which category of software should she try?
- (A) Shareware (B) Freeware
(C) Utility software (D) System software
27. Raghu wants to write a program to calculate the area of a rectangle in Python. As a friend, which of the following programs will you suggest him to write to get the correct output?
- (A) `l=int(input("length : "))`
`w=int("width : ")`
`area=i*w`
`print("Area is:",area)`
- (B) `l=int(input(length:))`
`w=int(input(width:))`
`area=i*w`
`print("Area is:",area)`
- (C) `l=int(input("length: "))`
`w=int(input("width: "))`
`area=i*w`
`print("Area is:",area)`
- (D) `l=int input("length: ")`
`w=int input("width: ")`
`area=i*w`
`print("Area is:",area)`
28. Neeta has made a presentation for her new ad campaign. Her content part is ready now, she wants to show the growth of the client's product through her presentation. What option will she choose for that?
- (A) Chart (B) SmartArt
(C) Pictures (D) Shapes
29. You are working as bank manager and there is a new joining in your bank. You assign him to check the legitimacy of around 200 cheques. As a senior, what would you suggest him to check the legitimacy of cheques in just 20 minutes?
- (A) To check each cheque manually (B) To use device OMR
(C) To use device OCR (D) To use device MICR
30. A combination of relative and absolute cell referencing is called _____ cell referencing.
- (A) double (B) twin
(C) tier (D) mixed
31. Which AI model approach uses a series of if-else statements that helps a computer to take decision?
- (A) Learning based approach (B) Rule based approach
(C) Machine learning (D) None of these
32. _____ is a fix value that does not change during the execution of a program.
- (A) Semantic (B) Constant
(C) Identifier (D) List
33. Which of the following is an example of float data type in Python?
- (A) 3257 (B) -3.257
(C) Shweta (D) C=3+4j

34. Which of the following is the domain of AI?
 (A) Computer Vision (B) Data
 (C) Natural Language Processing (D) All of these
35. Which of the following data is unstructured and very difficult to process?
 (A) Natural language data (B) Machine generated data
 (C) Both a and b (D) None of these

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. Identify the network topologies given in the image.



- (A) Bus (B) Serial
 (C) Twin Star (D) Mesh
37. The _____ is a set of interconnected computers for the purpose of sharing information and resources. It is a _____.
 (A) internet (B) radio
 (C) WAN (D) CAN
38. Study the following HTML code. What will be its output?

```
<!DOCTYPE html>
<html>
  <head> <title>HTML marquee Tag</title> </head>
  <body>
    <marquee>My name is AArav</marquee>
    <marquee direction = "up"> I studied in class IX.</marquee>
  </body>
</html>
```

 (A) The first Marquee will run from right to left. (B) The first Marquee will run from left to right.
 (C) The second Marquee will run from up to down. (D) The second Marquee will run from down to up.
39. The _____ and _____ allow you to manipulate data in a spreadsheet.
 (A) factors (B) functions
 (C) multiples (D) formulas
40. Cloud computing _____.
 (A) helps user to store and access data (B) helps user to share software and information
 (C) does not help to recover data (D) is very costly affair

41. Which of the following is not an example of mixed referencing?
 (A) $C1=(\$A\$1+\$B\$1)$ (B) $C1=(A\$1+\$B2)$
 (C) $C1=(A1+B1)$ (D) $C1=(\$A1+B\$2)$
42. You are a manager of a company. You want to submit a report to your boss which you have made in MS Word. You want that the name of report should always come at upper margin of each page and date of proposal at bottom right side of page. Which of the following option will you choose for that?
 (A) Margine (B) Header
 (C) Paragraph (D) Footer
43. Which of these are examples of cloud storage?
 (A) OneDrive (B) Gmail
 (C) Facebook (D) Google Drive
44. The _____ attribute gives the space between the adjacent cells and the _____ attribute gives the space between the edge of the cell and the text.
 (A) CELLSPACING (B) CELLPADDING
 (C) ROWSPAN (D) COLSPAN
45. An embedded operating system is specialized for use in the computers built into larger systems, such as _____ and _____.
 (A) traffic lights (B) elevators
 (C) wooden doors (D) PC's
46. A single page of a _____ is called a _____.
 (A) presentation (B) document
 (C) slide (D) web page
47. Which of the following attributes should a well designed GUI consist of?
 (A) Easy to learn and navigable interface (B) Icons and graphical elements
 (C) Black screen with just a command line (D) Non-clickable interface
48. The act of _____ duplication of computer software is known as _____.
 (A) authorised (B) unauthorised
 (C) software piracy (D) hardware piracy
49. _____ is a low cost _____ platform developed by Google for use with a head mount, and it uses a smartphone as a display.
 (A) Google Cardboard (B) Google Glass
 (C) Augmented Reality (D) Virtual Reality
50. The two main types of software are _____ software and _____ software.
 (A) system (B) reading
 (C) application (D) writing

