



## CREST Cyber Olympiad (CCO)

### Previous Year Paper

### Class 8 (Set - A)

**Time Allowed: 1 hour**

**Maximum Marks: 60**

- There are a total of **50 questions** in this booklet comprising **2 sections** namely the **Computer & IT and Achievers' Section** consisting of **40 questions (1 mark each) & 10 questions (2 marks each)** respectively.
- There is **no negative marking**. The use of a calculator is not permitted.
- There is **only ONE correct option** to a given question.
- The use of unfair means may result in the cancellation of the exam. Any such instances must be reported at **+91-98182-94134** or **info@crestolympiads.com**

**DO NOT OPEN THIS BOOKLET UNTIL ASKED TO DO SO**

**FILL IN THE DETAILS**

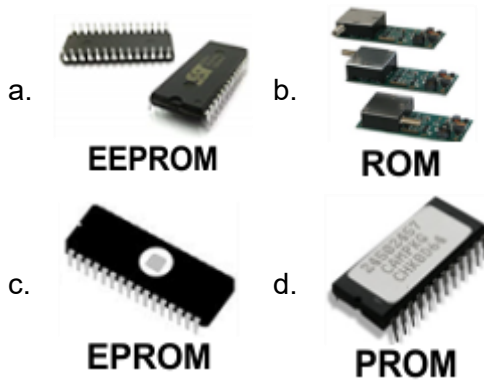
Candidate Name: \_\_\_\_\_

Class: \_\_\_\_\_ Section: \_\_\_\_\_

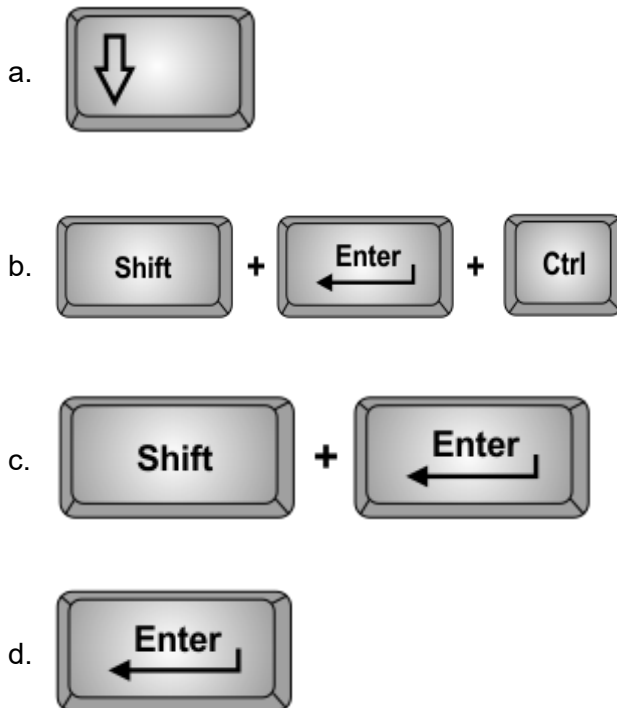
CREST ID: \_\_\_\_\_

## Computers & IT (Each Question is 1 Mark)

1. Which of the following is an example of primary memory?



2. Which of the following keyboard key combinations is used to start a new page in MS-Word?



3. Which out of the following is the section break option in MS Word?

- a. Next page      b. Previous page  
c. End page      d. Even page

4. Fill in the blanks:

In HTML, the <hn> tag is used to create headings of different sizes. The value of n in this tag varies from \_\_\_\_\_ to \_\_\_\_\_.

- a. 1, 6      b. 2, 8  
c. 1, 5      d. 2, 6

5. A mobile phone is an example of which type of communication channel?

- a. Simplex      b. Half duplex  
c. Full duplex      d. None of these

6. Which of the following protocols is used to transmit an electronic mail over the Internet?

- a. HTTP      b. FTP  
c. SMTP      d. SNMP

7. Which of the following is not a factor affecting the processing capability or performance of a personal computer?

- a. The clock speed of the microprocessor  
b. The revolutions per minute of the printer disk  
c. The primary storage capacity of the processor  
d. The built-in instruction set available to the microprocessor

8. Fill in the blank:

If I want to embed the link of a website in the HTML of my webpage I will use \_\_\_\_\_.

- a. HREF      b. REF  
c. HTTP      d. HTTPS

9. What are the two types of views in which an MS Access table can be seen?

- a. Design View and Insert View
- b. Design View and Select View
- c. Datasheet View and Insert View
- d. Datasheet View and Design View

10. Which of the following is not a valid MS-ACCESS data type?

- a. String
- b. Number
- c. Date/Time
- d. Memo

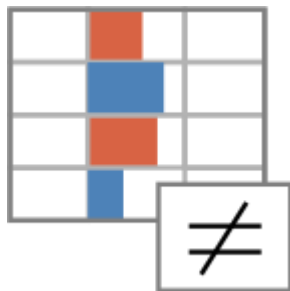
11. Fill in the blank:

Business and commercial transactions performed over the internet is known as \_\_\_\_\_.

- a. E Commerce
- b. Secure Transactions
- c. HTTPS Transactions
- d. Wallet Transactions

12. Fill in the blank:

The icon in excel is used for \_\_\_\_\_.



- a. Colouring cells
- b. Conditional Formatting
- c. Inserting formula
- d. Merge and Centre

13. Fill in the blank:

The operating system is a \_\_\_\_\_ that manages computer hardware, and software resources and provides common services for computer programs.

- a. system software
- b. application software
- c. utility software
- d. Android software

14. What is the term used for the basic unit of a worksheet into which you enter data in MS Excel?

- a. Table
- b. Cell
- c. Column
- d. Box

15. Which of the following commands will bring you to the first slide in your PowerPoint presentation?

- a. Ctrl + Home
- b. Ctrl + up arrow
- c. Page Up
- d. Home

16. In old days Internet was known as ARPANET. What is the correct full form of ARPANET?

- a. Advanced Research Projects Agency Network
- b. Area Research Projects Agency Network
- c. Advanced Research Projects Area Network
- d. Advanced Research Network Protocol

17. Which one of the following topologies has very complex structure to design?

- a. Star
- b. Mesh
- c. Ring
- d. Bus

18. The body tag is usually used after which of the following tags?

- a. Title tag
- b. Head tag
- c. HTML tag
- d. Body tag

19. Fill in the blank:

The "HTTP" you type at the beginning of any site's address stands for \_\_\_\_\_.

- a. HTML Transfer Technology Process
  - b. Hyperspace Terms and Tech Protocol
  - c. Hyperspace Techniques & Tech Progress
  - d. Hyper Text Transfer Protocol
- 20.** In context to MS Excel, which one of the following keys should be pressed after inserting text in a cell so that the cell accepts your typing as its contents?
- a. Insert
  - b. Enter
  - c. Shift
  - d. Ctrl + Enter
- 21.** Computer works with the help of few systems. Which one of the following runs on computer hardware and serves as platform for other software to run on?
- a. Operating System
  - b. Application Software
  - c. System software
  - d. Utilities
- 22.** What is the difference between static RAM and dynamic RAM?
- a. Static RAM must be refreshed; dynamic RAM does not.
  - b. There is no difference
  - c. Dynamic RAM must be refreshed; Static RAM doesn't
  - d. Dynamic RAM is much faster than SRAM
- 23.** Why should you specify a background colour if you are using an image for the actual background of your page?
- a. So the text shows up better
  - b. In case the image doesn't fit right
  - c. The background colour will be shown until the image loads
  - d. None of the above
- 24.** Which type of user interface displays icons, menus, and windows for users to interact with the system?
- a. Interface using only touch gestures
  - b. Command-based interface requiring typed input
  - c. Interface based entirely on spoken commands
  - d. Graphical user interface that uses visual elements like icons
- 25.** Which menu option helps insert a table quickly using predefined formats and colours in MS Word?
- a. Table Styles
  - b. Quick Table
  - c. Grid Insert
  - d. Format Painter
- 26.** What is the purpose of 'Motion Paths' in PowerPoint?
- a. To change slide layout
  - b. To animate objects along a specified path
  - c. To apply a fade effect
  - d. To add sound effects
- 27.** Which PowerPoint animation option is best for drawing attention to an object?
- a. Entrance
  - b. Exit
  - c. Emphasis
  - d. Motion Path
- 28.** What is the purpose of grouping data in an Access report?
- a. To display records in alphabetical order
  - b. To calculate totals for each group
  - c. To sort data
  - d. To remove duplicates
- 29.** Which of the following is true about Python statements?
- a. They are always written in one line
  - b. They perform actions
  - c. They can only contain one operation
  - d. They must always return a value

30. Which function is used to take input from the user in Python?
- get()
  - scan()
  - read()
  - input()
31. Which error occurs when trying to open a file that doesn't exist in Python?
- TypeError
  - FileNotFoundError
  - NameError
  - ValueError
32. Which symbol is used to represent a decision or condition in a flowchart?
- Oval
  - Rectangle
  - Diamond
  - Arrow
33. Which symbol is used to connect different flowchart elements?
- Oval
  - Rectangle
  - Diamond
  - Arrow
34. What is the function of the drag-and-drop functionality in Canva?
- To save the design
  - To cut, copy and paste images
  - To change design size
  - To move elements within a design
35. In Canva, how can you make titles stand out in a design?
- By using a smaller font
  - By aligning the text to the right
  - By using a larger font size and a bolder weight
  - By using a similar font as the body text
36. What does text hierarchy help the reader do in Canva?
- Read everything in order
  - Understand which information is most important
  - Skip sections of the text
  - Ignore headings
37. What is the purpose of creating academic posters in Canva?
- To advertise a product
  - To share academic research visually
  - To promote a new movie
  - To design clothing
38. Which interface allows users to interact with a computer by typing text commands?
- GUI
  - Voice Interface
  - Touch Interface
  - CLI
39. Which of the following technologies is primarily used in 5G networks?
- Quantum computing
  - Blockchain
  - Edge computing
  - Machine learning
40. Which technology improves internet connection speed and reduces latency?
- AI
  - IoT
  - Blockchain
  - 5G

## Achievers' Section (Each Question is 2 Marks)

41. Why is the width of the data bus so important to the processing speed of a computer?

- a. The narrower it is, the greater the computer's processing speed
- b. The wider it is, the more data that can fit into main memory
- c. The wider it is, the greater the computer's processing speed
- d. The data bus isn't important to the processing speed of a computer

42. Given below the two statements. Which one of the following statements is correct?

Statement A: HTML stands for Hypertext Markup Language.

Statement B: Notepad or Wordpad can be used as an HTML editor.

Statement C: HTML is the major markup language used to display webpages on the internet.

- a. Statement A is correct
- b. Statement B is correct
- c. Statement C is correct
- d. All statements are correct

43. Some of the cells between A1 and A100 have values. John wants to calculate how many cells are there that have some value. He doesn't want to count cells that don't have value in it. Which one of the following Excel functions should he use?

- a. `Sum(A1:A100)`
- b. `Count(A1:A100)`
- c. `CountA(A1-A10)`
- d. `CountN(A1:A100)`

44. Which of the following statement(s) is/are not true?

Statement 1: Kernel is the program that constitutes the central core of the operating system

Statement 2: Kernel is the first part of operating system to load into memory during booting

Statement 3: Kernel is made of various modules which can not be loaded in running operating system

Statement 4: Kernel remains in the memory during the entire computer session

- a. Statement 3 is not true
- b. Statement 2 is not true
- c. Statement 4 is not true
- d. Statement 1 and statement 4 are not true

45. Which of the following is NOT a GUI-based software?

- a. Microsoft Paint with drawing tools
- b. Calculator app on Android
- c. Windows Media Player with control buttons
- d. Linux Terminal using bash commands

46. Which function can be used inside a Word table to calculate totals?

- a. `"=ADD()"`
- b. `"=SUM()"`
- c. `"=TOTAL()"`
- d. `"=COUNT()"`

47. How can you make an animation start automatically without clicking the mouse?

- a. By setting it to 'With Previous'
- b. By setting it to 'On Click'
- c. By using the 'Delay' option
- d. By applying the 'Slideshow' feature

48. Which of the following statements creates a loop in Python?

- a. `for i in range(10)`
- b. `if i in range(10)`
- c. `loop i in range(10)`
- d. `repeat i in range(10)`

49. Which HTML tag is used to define an input field where the user can enter data?

- a. <form>
- b. <input>
- c. <button>
- d. <label>

50. What does an algorithm represent?

- a. A visual diagram of steps
- b. A sequence of steps in written form
- c. A decision-making process
- d. A type of symbol

## Answer Key

- |       |       |       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1. b  | 2. b  | 3. c  | 4. a  | 5. c  | 6. c  | 7. b  | 8. a  | 9. d  | 10. a |
| 11. a | 12. b | 13. a | 14. b | 15. a | 16. a | 17. b | 18. b | 19. d | 20. b |
| 21. a | 22. c | 23. c | 24. d | 25. b | 26. b | 27. c | 28. b | 29. b | 30. d |
| 31. b | 32. c | 33. d | 34. d | 35. c | 36. b | 37. b | 38. d | 39. c | 40. d |
| 41. c | 42. d | 43. b | 44. a | 45. d | 46. b | 47. a | 48. a | 49. b | 50. b |