

**INTERNATIONAL TALENT SEARCH EXAMINATION
2024 - 2025 PRACTICE PAPER**

**CLASS- X
SUBJECT- COMPUTER**

- 1. . Who is the father of Computers?**
 - a) James Gosling**
 - b) Charles Babbage**
 - c) Dennis Ritchie**
 - d) Bjarne Stroustrup**

- 2. Which of the following is the correct abbreviation of COMPUTER?**
 - a) Commonly Occupied Machines Used in Technical and Educational Research**
 - b) Commonly Operated Machines Used in Technical and Environmental Research**
 - c) Commonly Oriented Machines Used in Technical and Educational Research**
 - d) Commonly Operated Machines Used in Technical and Educational Research**

- 3. Which of the following is the correct definition of Computer?**
 - a) Computer is a machine or device that can be programmed to perform arithmetical or logic operation sequences automatically**
 - b) Computer understands only binary language which is written in the form of 0s & 1s**
 - c) Computer is a programmable electronic device that stores, retrieves, and processes the data**
 - d) All of the mentioned**

- 4. What is the full form of CPU?**
 - a) Computer Processing Unit**
 - b) Computer Principle Unit**
 - c) Central Processing Unit**
 - d) Control Processing Unit**

- 5. Which of the following language does the computer understand?**
 - a) Computer understands only C Language**
 - b) Computer understands only Assembly Language**
 - c) Computer understands only Binary Language**
 - d) Computer understands only BASIC**

- 6. Which of the following computer language is written in binary codes only?**
 - a) pascal**
 - b) machine language**
 - c) C**
 - d) C#**

- 7. Which of the following is the brain of the computer?**
 - a) Central Processing Unit**
 - b) Memory**
 - c) Arithmetic and Logic unit**
 - d) Control unit**

- 8. Which of the following is not a characteristic of a computer?**
 - a) Versatility**

INTERNATIONAL TALENT SEARCH EXAMINATION
2024 - 2025 PRACTICE PAPER

- b) Accuracy**
- c) Diligence**
- d) I.Q.**

9. Which of the following is the smallest unit of data in a computer?

- a) Bit**
- b) KB**
- c) Nibble**
- d) Byte**

10. Which of the following unit is responsible for converting the data received from the user into a computer understandable format?

- a) Output Unit**
- b) Input Unit**
- c) Memory Unit**
- d) Arithmetic & Logic Unit**

11. "One thing in many different forms " goes with the OOPS concept

- a. Polymorphism**
- b. Encapsulation**
- c. Abstraction**
- d. Inheritance**

12. The concept of Abstraction is

- a. Binding data and functions together**
- b. Hiding inner complexity and providing usable interfaces**
- c. Reusing of the code**
- d. Making methods constant**

13. Java supports

- a. Single Inheritance**
- b. Multilevel Inheritance**
- c. Multiple Inheritance**
- d. Both a and b**

14. The default access specifier for a method of a class

- a. Private**
- b. Public**
- c. Package**
- d. Protected**

15. Which of the following methods belong to the String class?

- a. length ()**
- b. substring ()**
- c. compare To ()**
- d. all of the them**

16. A bundle of similar classes is called a

- a. Package**

**INTERNATIONAL TALENT SEARCH EXAMINATION
2024 - 2025 PRACTICE PAPER**

- b. Packed classes**
- c. Group**
- d. None**

17. A static method is also called a:

- a. Instance function**
- b. Defined function**
- c. Class method**
- d. Fixed function**

18. Code reuse is implemented by :

- a. Abstraction**
- b. Function overloading**
- c. Inheritance**
- d. Polymorphism**

19. Which of the following are not keywords?

- a. NULL**
- b. Protected**
- c. Implements**
- d. None of the above**

20. Which of the following statements are true?

- a. An abstract class may not have any final methods?**
- b. A final class may not have any abstracts methods.**
- c. Transient variables must be static.**
- d. All of the above**

21. A class is accessible both inside and outside a package

- a. public**
- b. protected**
- c. open**
- d. All**

22. A class is a

- a. Primitive data type**
- b. User defined data type**
- c. User defined derived data type**
- d. Derived data type**

23. Encapsulation means

- a. Binding of all functions together**
- b. Adding a function to a class**
- c. Deleting a method from a class**
- d. None of the above**

24. A class is an object factory

- a. True**
- b. False**

**INTERNATIONAL TALENT SEARCH EXAMINATION
2024 - 2025 PRACTICE PAPER**

- c. Error
- d. Both (a) and (b)

25. Which is odd in given options

- a. Polymorphism
- b. One thing in many forms
- c. Abstraction
- d. Function overloading

26. Objects cannot be created of class.

- a. Concrete
- b. Virtual
- c. Child

27. (d)Base

28. The parent class of a class is also called.....

- a. Base class
- b. Super class
- c. Both (a) and (b)
- d. None

29. The other name for messages of a class is

- a. Methods
- b. Functions
- c. Instances
- d. Both a and b

30. The members of a class are defined inside

- a. ()
- b. { }
- c. []
- d. None of the above

31. What will the output of the following program ?

```
public class Test {  
    public static void main (string [ ] args) {  
        int count = 1  
        while (count <= 15) {  
            System.out.println(count % 2 == 1? "***" : "+++++");  
            ++ count;  
        }  
    }  
}
```

- a. 15 times ***
- b. 8 times *** and 7 times +++++
- c. 15 times +++++
- d. Both will print only once

32. The keyword that represent the current object is

**INTERNATIONAL TALENT SEARCH EXAMINATION
2024 - 2025 PRACTICE PAPER**

- a. now
- b. this
- c. current
- d. None

33. The basic goal of the computer process is to convert data into:

- a. Graphs
- b. Files
- c. Information
- d. None of them

34. The following has highest Access time:

- a. Magnetic disk
- b. Swapping devices
- c. Floppy disk
- d. Cache

35. Error detection at data link level is achieved by the following

- a. Equalization
- b. Bit stuffing
- c. Hamming code
- d. Cyclic redundancy codes

36. A hardware device that is capable of executing a sequence of instructions is called

- a. CU
- b. Processor
- c. CPU
- d. ALU

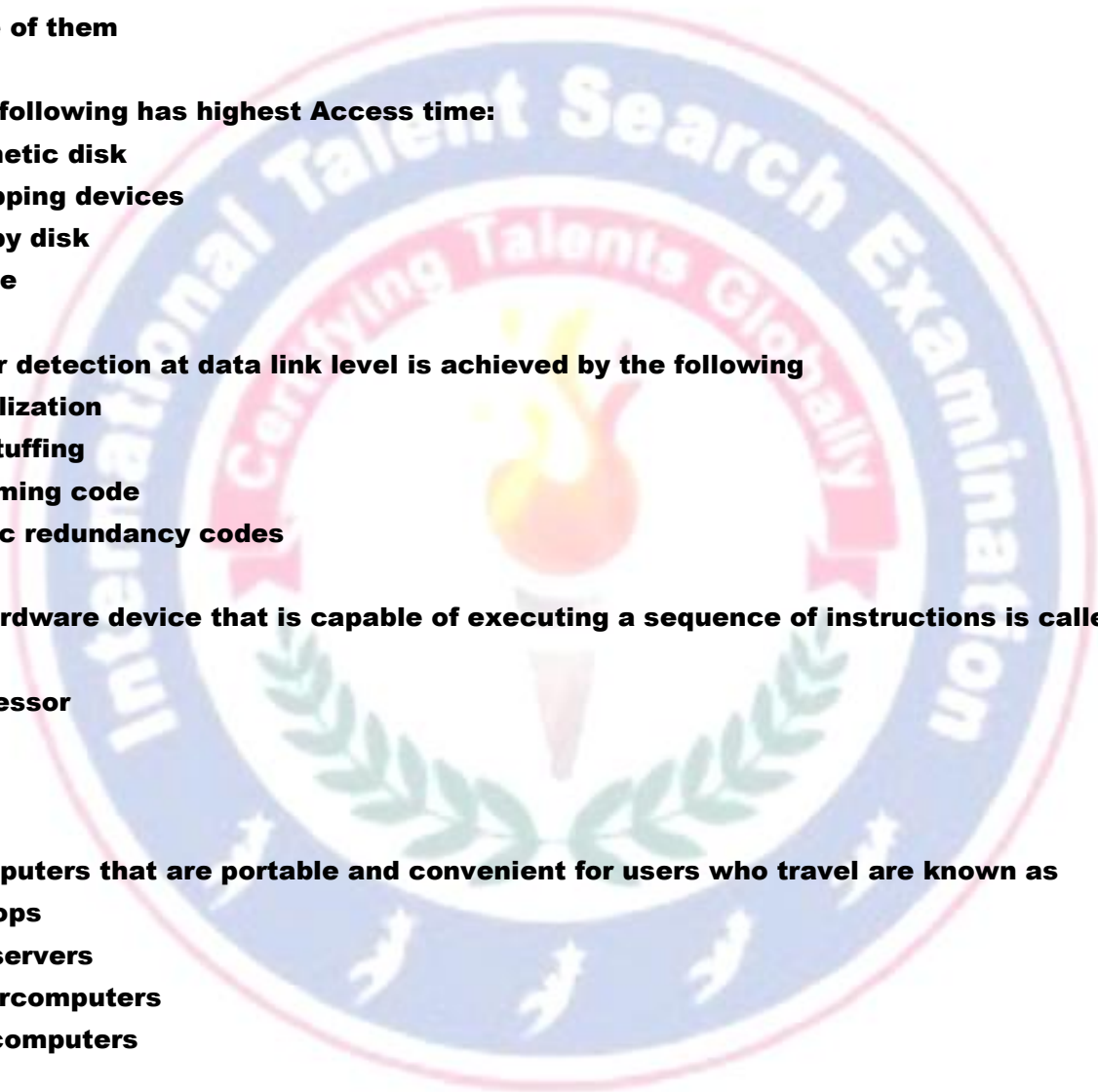
37. Computers that are portable and convenient for users who travel are known as

- a. Laptops
- b. File servers
- c. Supercomputers
- d. Minicomputers

38. To transfer electronic mail from one machine to another, the following TCP/IP protocol is used

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

39. High-resolution, bit-mapped displays are useful for displaying:



**INTERNATIONAL TALENT SEARCH EXAMINATION
2024 - 2025 PRACTICE PAPER**

- a. more characters
- b. clearer characters
- c. graphics
- d. all of the above

40. The average number of comparisons in sequential search is:

- a. n^2
- b. $(n+1)/2$
- c. $n(n+2)/2$
- d. $n+2/2$

41. The last DML statement processed during a commit transaction is?

- a. INSERT
- b. UPDATE
- c. DELETE
- d. POST

42. Which of the following are computers that can be carried around easily?

- a. Laptops
- b. PCs
- c. Supercomputers
- d. Minicomputers

43. The lowest level of input output control consist of

- a. Device drivers
- b. Interrupt handler
- c. both (a) and (b)
- d. None of these

44. The following are the standard synchronous communication protocol except?

- a. SLIP
- b. SDLC
- c. PAS
- d. SMTP

45. The output of a lexical analyzer is:

- a. A parse tree
- b. Intermediate code
- c. Machine code
- d. A stream of tokens

