PGT COMPUTER SCIENCE

1. Who launched the 90-day campaign 'Azadi Se Antyodaya Tak'?

(A) Amit Shah

(B) Piyush Goyal

(C) Kiren Rijiju

(D) Giriraj Singh

Correct Answer: (D)

2. Which country signed agreements on training staff and IT cooperation to deepen railway cooperation In Sep 2022?

(A) Russia-India

(B) Ukraine-Turkey

(C) India-Bangladesh

(D) America-India

Correct Answer: (C)

3. The "Donbas War" is currently being fought in

(A) Serbia

(B) Ukraine

(C) Syria

(D) Lebanon

Correct Answer: (B)

4. Pedagogy is the study of

(A) education

(B) learning process

(C) teaching methods

(D) guiding students

Correct Answer: (C)

5. Dyslexia is associated with

(A) mental disorder

(B) mathematical disorder

(C) reading disorder

(D) behavioural disorder

Correct Answer: (C)

6. Which government organizations will develop guidelines for the education of gifted children?

(A) NCERT and NCFCS

(B) NCERT and NCTE

(C) NCERT and NTA

(D) NCERT and SCERT

Correct Answer: (B)

7. Which of the following permits the fastest data access during execution of a program?

(A) RAM

(B) Register

(C) Blu-Ray Disc

(D) Hard Disk

Correct Answer: (B) Register

8.   _____ refers to a programming technique in which a function calls itself either indirectly or directly.

(A) sequence
(B) condition

(C) recursion

(D) None of these

Correct Answer: (C) recursion

9. _____ cables are immune to electrical and magnetic interferences.

(A) Optical Fiber

(B) Coaxial

(C) Twisted Pair

(D) All of these

Correct Answer: (A) Optical Fiber

10.   A computer that facilitates the sharing of data, software, and hardware resources on the network, is termed as a _____.

(A) Node

(B) Client

(C) Server

(D) Workstation

Correct Answer: (C) Server

11.   Reordering the column names in a select query will change the order of columns in original tables also.

(A) True

(B) False

(C) You are not allowed to reorder the columns in select query

(D) None of these

Correct Answer: (B) False

12.. Match the following:

a)	Modulus	1)Tokens
b)	Separators	2)Remainder of a division
c)	Stream extraction	3)Punctuators
d)	Lexical units	4)Get from

(A) a-1,b-2,c-3,d-4

(B) a-3,b-1,c-4,d-2

(C) a-4,b-2,c-1,d-3

(D) a-2,b-3,c-4,d-1

Correct Answer: (D)

13. Assertion (A):- If the arguments in the function call statement match the number and order of arguments as defined in the function definition, such arguments are called positional arguments.

Reasoning (R):- During a function call, the argument list first contains default argument(s) followed by positional argument(s).

(A) Both A and R are true and R is the correct explanation for A

(B) Both A and R are true and R is not the correct explanation for A

(C) A is True but R is False

(D) A is false but R is True

Correct Answer: (C)

14. Assertion (A): CSV (Comma Separated Values) is a file format for data storage that looks like a text file.

Reason (R): The information is organized with one record on each line and each field is separated by comma.

Option:

   (A) Both A and R are true and R is the correct explanation for A
   (B) Both A and R are true and R is not the correct explanation for A
   (C) A is True but R is False
   (D) A is false but R is True

Correct Answer: (A)

15. Which of the following statements are not correct:

   a. An element in a dictionary is a combination of key-value pair
   b. A tuple is a mutable data type
   c. We can repeat a key in dictionary
   d. clear( ) function is used to delete the dictionary

Option:

   (A)   a,b,c
   (B)   b,c,d
   (C)   b,c,a
   (D)   a,b,c,d

Correct Answer: B

16. Which of the following statements are correct:

   a. Lists can be used as keys in a dictionary
   b. A tuple cannot store list as an element
   c. We can use extend() function with tuple
   d. We cannot delete a dictionary once created.

Option:

   (A)   a,b,c
   (B)   b,c,d
   (C)   b,c,a
   (D)   None of these

Correct Answer: D

17. Which of the following memory types will store the data or information permanently?
   (A) RAM

   (B) Cache

   (C) Flash Memory

   (D) All of these

   Correct Answer: (C) Flash Memory

18. _____ converts a High Level Program into machine language
                line by line.

   (A) Compiler

   (B) Interpreter

   (C) Operating System

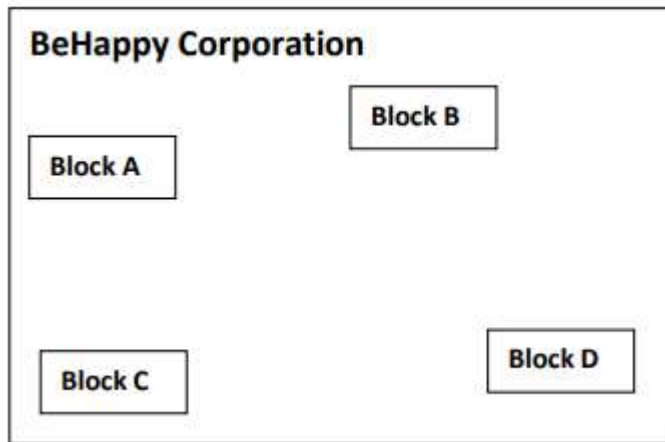   (D) All of these

   Correct Answer: (B) Interpreter

19.   In a number of any number system, the _____ digit carries the least weight, known as least significant digit.

(A) rightmost

(B) leftmost

(C) center

(D) None of these

Correct Answer: (A) rightmost

CASE STUDY BASED QUESTION:

Happy Corporation has set up its new centre at Noida, Uttar Pradesh for its office and web-based activities. It has 4 blocks of buildings.

BeHappy Corporation

Block A	Block B
Block C	Block D

Distance between the various blocks is as follows:

A to B	40 m
B to C	120m
C to D	100m
A to D	170m
B to D	150m
A to C	70m

Numbers of computers in each block

Block A	25
Block B	50
Block C	125
Block D	10

20. Which kind of network will be formed if the Noida office is connected to its head office in Mumbai?

A) PAN

B) LAN

C) WAN

D) None of these

Correct Answer: (C)