

PGT Computer Science

Q 1). Which Indian state is planning to launch a massive jungle safari project in the Aravalli Hills, aimed at promoting eco-tourism and sustainable development?

- (A) Rajasthan
- (B) Gujarat
- (C) Madhya Pradesh
- (D) Haryana

Correct Answer: (D)

Q 2). Prime Minister Modi had accorded a ceremonial welcome during his recent visit to Croatia at _____.

- (A) St. Mark's Church
- (B) Croatian Parliament
- (C) Banski Dvori Palace
- (D) Zagreb City Hall

Correct Answer: (C)

Q 3). Which of the following countries were recently elected to serve as a non-permanent member of the UN Security Council for a two-year term starting in January 2026?

1. Bahrain, Colombia, Latvia
2. Indonesia, Sri Lanka, Vietnam
3. Liberia, The Democratic Republic of Congo

- (A) 1, 2 & 3
- (B) 1 & 3
- (C) Only 2
- (D) 1 & 2

Correct Answer: (B)

Q 4). "How many characters are there in the story?" This question is of _____ level as per the revised Bloom's Taxonomy.

- (A) remembering
- (B) evaluation
- (C) understanding
- (D) application

Correct Answer: (A)

Q 5). Which of the following is an example of positive reinforcement as per child psychology?

- (A) Giving a child a time-out for misbehavior.
- (B) Praising a child for completing homework.
- (C) Removing TV privileges for poor grades.
- (D) Ignoring a child's tantrum.

Correct Answer: (B)

Q 6). As per NEP 2020, what is the proposed bagless period for students in Grades 6-8 in a year?

- (A) 5 days
- (B) 10 days
- (C) 15 days
- (D) 20 days

Correct Answer: (B)

Q 7). How many characters can be represented by a 7-bit ASCII code system?

- (A) 7
- (B) 14
- (C) 128
- (D) 256

Correct Answer: (C)

Q 8). 1 PB (petabyte) is equal to _____.

- (A) 1024 GB (Gigabyte)
- (B) 1024 YB (Yottabyte)
- (C) 1024 TB (Terabyte)
- (D) 1024 EB (Exabyte)

Correct Answer: (C)

Q 9). What is the term for an attempt to obtain sensitive information, such as usernames, passwords, and credit card details, for malicious reasons by posing as a trustworthy source in email communications?

- (A) Phishing
- (B) Bulling
- (C) Stalking
- (D) Defragmentation

Correct Answer: (A)

Q 10). The most popular application of blockchains technology is in _____.

- (A) Digital Currency
- (B) Data Analytics
- (C) Robotics
- (D) Parallel Processing

Correct Answer: (A)

Q 11). Which software prevents the external access to a system?

- (A) Gateway
- (B) Firewall
- (C) Router
- (D) Hub

Correct Answer: (B)

Q 12). Which of the following values is the correct value of this hexadecimal code ABCDEF?

- (A) 11259375
- (B) 11259379
- (C) 11259312
- (D) 11257593

Correct Answer: (A)

Q 13). Which of the following is a communication methodology designed to deliver both voice and multimedia communications over Internet protocol?

- (A) VoIP
- (B) SMTP
- (C) PPP
- (D) HTTP

Correct Answer: (A)

Q 14). Which command in SQL is used to save the transactions made by any of the DML commands?

- (A) SAVE
- (B) ROLLBACK
- (C) COMMIT
- (D) FETCHONE

Correct Answer: (C)

Q 15). Which of the following sorting algorithms can be used to sort a random linked list with minimum time complexity?

- (A) Insertion sort
- (B) Quick Sort
- (C) Heap sort
- (D) Merge Sort

Correct Answer: (D)

Q 16). The NIC manufacturer assigns a unique physical address to each NIC, this physical address is known as _____ address.

- (A) MAC
- (B) PAC
- (C) CAD
- (D) IP

Correct Answer: (A)

Q 17). The _____ works by dividing a radio frequency into time slots and then allocating slots to multiple calls.

- (A) CDMA
- (B) DGMA
- (C) TDMA
- (D) HTTP

Correct Answer: (C)

Q 18). Consider the following statement:

```
SELECT * FROM PRODUCT ORDER BY RATE....., ITEM_NAME .....
```

Which of the following option should be used to display the rate from greater to smaller and name in alphabetical order?

- (A) DSC, ASC
- (B) DESC, ASC
- (C) DESCENDING, ASCENDING
- (D) DESC, ASCE

Correct Answer: (B)

Q 19). Suppose L=['one','two','three'] . What will be the output of the following command in Python?

```
>>> L[0:2]=[0,1]
```

```
>>> print(L)
```

- (A) ['one','two','three',0,1]
- (B) [0,1,'three']
- (C) ['three']
- (D) Error

Correct Answer: (B)

Q 20). Select the correct output of the code:

```
a = "Year 2022 at All the best"
```

```
a = a.split('2')
```

```
b = a[0] + ". " + a[1] + ". " + a[3]
```

```
print (b)
```

- (A) Year . 0. at All the best
- (B) Year 0 at All the best
- (C) Year 022 at All the best
- (D) Year at all the best

Correct Answer: (A)