

PGT Informatics Practices

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). The size of address in Internet Protocol Version 4 (IPv₄) is _____.

- (A) 2 Bytes
- (B) 4 Bytes
- (C) 8 Bytes
- (D) 16 Bytes

Correct Answer: (B)

Q 8). Which of the following is the typical work flow of a computer?

- (A) Input, Process and Output
- (B) Output, Input and Process
- (C) Input, Output and Process
- (D) Progress, Input and Output

Correct Answer: (A)

Q 9). What is the primary purpose of the Matplotlib library in Python?

- (A) To create 3D plots
- (B) To perform statistical analysis
- (C) To create static, animated, and interactive 2D plots or figures
- (D) To manipulate data in arrays

Correct Answer: (C)

Q 10). A _____ is a hardware device or a software program that can monitor and/or filter the packets coming over network.

- (A) Cookies
- (B) Antivirus
- (C) Malware
- (D) Firewall

Correct Answer: (D)

Q 11). Which of the following is not a binary number?

- (A) 1002
- (B) 1010
- (C) 11001
- (D) 11101

Correct Answer: (A)

Q 12). Choose the odd term with respect to network security.

- (A) Phishing
- (B) Spyware
- (C) Botnet
- (D) Bandwidth

Correct Answer: (D)

Q 13). Among the following options, which one is NOT considered an intellectual property right?

- (A) Copyright
- (B) Patent
- (C) Trademark
- (D) ISO mark

Correct Answer: (D)

Q 14). Which MySQL command is used to view the structure of an existing table?

- (A) SHOW
- (B) DESCRIBE
- (C) STRUCTURE
- (D) DISPLAY

Correct Answer: (B)

Q 15). Which of the following logic is used to produce loops in program logic when one or more instructions may be executed several times depending on some conditions?

- (A) Selection logic
- (B) Iteration logic
- (C) Decision logic
- (D) Sequence logic

Correct Answer: (B)

Q 16). Signature based malware identification method is based on _____.

- (A) Virus definition file database
- (B) Sandbox mechanism
- (C) Heuristics
- (D) Data mining techniques

Correct Answer: (A)

Q 17). Find the cities name with the condition and temperature from table weather where condition = sunny or cloudy but temperature >= 60.

- (A) SELECT city, temperature, condition FROM weather WHERE condition = 'cloudy' AND condition = 'sunny' OR temperature >= 60
- (B) SELECT city, temperature, condition FROM weather WHERE condition = 'cloudy' OR condition = 'sunny' OR temperature >= 60
- (C) SELECT city, temperature, condition FROM weather WHERE condition = 'sunny' OR condition = 'cloudy' AND temperature >= 60
- (D) SELECT city, temperature, condition FROM weather WHERE condition = 'sunny' AND condition = 'cloudy' AND temperature >= 60

Correct Answer: (C)

Q 18). What is the primary purpose of the DataFrame.loc[] method in Pandas?

- (A) Adding new two rows to a DataFrame.
- (B) Removing rows from a DataFrame.
- (C) Performing label-based indexing and selecting data from a DataFrame.
- (D) Renaming column labels in a DataFrame

Correct Answer: (C)

Q 19). What is the output of the following code?

```
numbers = [1, 2, 3, 4, 5]
numbers[1:4] = [6, 7]
print(numbers)
```

- (A) [1, 6, 7, 5]
- (B) [1, 6, 7, 4, 5]
- (C) [1, 6, 7]
- (D) [1, 2, 3, 4, 5]

Correct Answer: (A)

Q 20). **Read the following case study carefully and answer the following question accordingly.**

Mr. John is working in an organization as database programmer. Suddenly, his manager asked him to work with Python for developing and updating some modules. But he is facing some problems as a beginner in Python programming.

Which one of the following is used inside class definition to create an empty class without raising an error?

- (A) empty
- (B) null
- (C) pass
- (D) void

Correct Answer: (C)