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SEAT No. \_\_\_\_\_

Total number of printed pages: 2

**SARDAR PATEL UNIVERSITY**  
Master of Computer Applications (MCA)  
Semester – II External Examination  
**PS02CMCA22 (Data Structures and Advanced Programming Concepts)**  
10<sup>th</sup> April, 2019, *wednesday*

Time: 10:00 a.m. to 1:00 p.m.

Max Marks: 70

**Q-1 Choose the most appropriate option for each question:**

[8]

1. A data structure that contains not only data field but also contain pointer field is known as \_\_\_\_\_

- A. Queue  
B. Link list  
C. Tree  
D. Stack

2. What should be the value of rear (end) if the queue is full?

- A. MAX + 1  
B. 0  
C. MAX - 1  
D. -1

3. Which expressions are also regarded as 'Reverse Polish Notations'?

- A. Postfix  
B. Prefix  
C. Infix  
D. All of these

4. Which among the following belongs to the category of a Pre-order Traversal?

- A. Root -> Left -> Right  
B. Right -> Left -> Root  
C. Left -> Right -> Root  
D. Root -> Right -> Left

5. In multilevel inheritance, constructors are executed in the order of \_\_\_\_\_.

- A. inheritance  
B. polymorphism  
C. abstraction  
D. None of these

6. The members in the beginning of class without any access specifier are \_\_\_\_\_ by default.

- A. Default  
B. Private  
C. Public  
D. Protected

7. \_\_\_\_\_ function is used to specify the required field size for displaying an output value.

- A. sizeof()  
B. size()  
C. width()  
D. length()

8. The mechanism of binding the functions to the class to which they belong is done by \_\_\_\_\_ operator.

- A. Relational  
B. Logical  
C. Unary  
D. Scope Resolution

(1)

(P.T.O.)

