

possible truth values of its constituent propositions is called

- **Truth Table (Page 6)**
- Venn diagram
- False Table
- None of these

Question No: 4 (Marks: 1) - Please choose one

Contra positive of given statement "*If it is raining, I will take an umbrella*" is

- **I will not take an umbrella if it is not raining.**
- I will take an umbrella if it is raining.
- It is not raining or I will take an umbrella.
- None of these.

Question No: 5 (Marks: 1) - Please choose one

Let $A = \{1, 2, 3, 4\}$ and $R = \{(1, 1), (2, 2), (3, 3), (4, 4)\}$ then

- ► R is symmetric.
- ► R is anti symmetric.
- ► R is transitive.
- ► R is reflexive.
- ► **All given options are true**

Question No: 6 (Marks: 1) - Please choose one

A binary relation R is called Partial order relation if

- It is Reflexive and transitive
- It is symmetric and transitive
- It is reflexive, symmetric and transitive
- **It is reflexive, anti symmetric and transitive**

Question No: 7 (Marks: 1) - Please choose one

How many functions are there from a set with three elements to a set with two elements?

- 6
- **8**
- 12

$$n^m = 2^3 = 8$$

Question No: 8 (Marks: 1) - Please choose one

$1, 10, 10^2, 10^3, 10^4, 10^5, 10^6, 10^7, \dots$ is

- Arithmetic series
- Geometric series
- Arithmetic sequence
- **Geometric sequence**

Question No: 9 (Marks: 1) - Please choose one

$\lceil x \rceil$
for $x = -2.01$ is