

## **BISHNUPUR PUBLIC PRIVATE ITI**

**... Trade –Electrician Year-First Year ...**

**... F.M-45 . Time-1 hr ...**

1. The tripping time of ELCBs is usually less than\_\_\_\_\_.

A. 80 ms

B. 30 ms

C. 200 ms

D. 100 ms

2. A transformer transforms.....

A.voltage

B.current

C.power

D.frequency

3. Which winding in a transformer has more number of turns.....

A.primary winding

B.secondary winding

C.high voltage winding

D.low voltage winding

4. Efficiency of a power transformer is of the order of.....

A.25 %

B.98 %

C.100 %

D.50 %

5. A common method of cooling a power transformer is.....

A.any other of the above

B.natural air cooling

C.oil cooling

D.air blast cooling

6. The unit of electrical energy is / are.....

A.kilowatt-hour

B.electron-volt

C.all of these

D.joule

7. In a transformer the tapings are generally provided on.....

A. high voltage side

B.secondary voltage side

C.low voltage side

D.primary voltage side

8 The transformers ratings are usually expressed in terms of.....

A. amperes

B. KW

**C.KVA**

D.volts

9 Material used for construction of transformer core is usually.....

A. aluminium

B. copper

C. brass

D. silicon steel

10. The highest voltage for transmitting electrical power in India is.....

A. 66 KV

B.132 KV

C. 400 KV

D.33 KV

11. How many cores are used in cable for transmitting of voltage up to 66 KVA.....

A. all of above

B. single core

C. three core

D. two core

12. At low temperature, the semi conductor behaves as a-

D. None of these

C. Perfect consulator

A. Perfect insulator

B. Perfect conductor

13. Calculate the equivalent resistance between resistance of 4 ohms and 12 ohms connected in parallel-

B. 8 ohms

D. 12 ohms

A. 16 ohms

C. 3 ohms

14. Calculate the equivalent resistance between extreme two points when two resistance of 4 ohms and 12 ohms are connected in parallel and one resistance 6 ohms is connected in series-

D. 10 ohms

C. 16 ohms

A. 9 ohms

B. 22 ohms

15. As per I.E.E. rules high voltage limits is-

C. Voltage does not exceed 650 volts

D. Voltage does not exceed 20000 volts

B. Voltage does not exceed 10000 volts

A. Voltage does not exceed 33000 volts