RRB Section Engineer previous Year Question Paper Memory Based

1. A resistance of 10 ohm is connected across a supply of 200V. If resistance R is now connected in parallel with a 10 ohm resistance, the current drawn from the supply gets doubled. The value of unknown resistance R is
(a) 5 ohm
(b) 20 ohm
(c) 10 ohm
(d) 15 ohm
Ans : c

2. Kirchhoff's first law is also called as
(a) voltage law
(b) Current law
(c) Mesh Current law
(d) All the above
Ans : b

3. Find the total resistance when four 3 Ohm resistance are connected in series
(a) 3 ohm
(b) 12 ohm
(c) 14 ohm
(d) 8 ohm
Ans : b

4. The practical unit of power is
(a) Joule
(b) Ampere
(c) Watt
(d) Weber
Ans : c

5. Form factor of a sine wave is
(a) 1.414
(b) 1
(c) 0
(d) 1.11
Ans : d

6. The unit of resistance is

(a) Mho
(b) ohm-m
(c) Ohms
(d) Amps
Ans :c

7. Unit of impedance is
(a) Ampere
(b) Volt
(c) Ohm
(d) mho
Ans : c

8. The close path of the flux around any current carrying circuit is referred as
Circuit.
(a) Magnetic
(b) Electric
(c) Electromagnetic
(d) None of these
Ans : a

9. The current flowing in an electrical circuit is due to the existence of
(a) mmf
(b) emf
(c) Resistance
(d) Reluctance
Ans : b

10. The magnetic flux flow through a magnetic circuit is due to
(a) mmf
(b) emf
(c) Resistance
(d) Reluctance
Ans : a

11. The on-line UPS is also called as
a. Stand-by UPS
b. Line Interactive UPS
c. Off line UPS
d. Current line UPS
Ans. b

12. _____ is used to convert alternating current to direct current.

a. Transformer

b. Diode

c. Resistor

d. Transistor

Ans. b

13. The supply voltage varies sinusoid ally and has a frequency _____ Hz.

a. 60

b. 50

c. 20

d. 10

Ans. b

14. Expression for magneto-motive force is

(a) N/I

(b) 1/NI

(c) I/N

(d) IN

Ans : d

15. Unit of mmf is

(a) Ampere /Volt

(b) Ampere- turns

(c) Volt

(d) Volt/Ampere

Ans : b

16. Magnetic field strength is equal to

(a) mmf. L

(b) L/ mmf

(c) mmf/ L

(d) 1/mmf.L

Ans : c

17. Peak inverse voltage of bridge rectifier is as that of centre-tap circuit.

a. Same

b. Twice

c. Half

d. Four times

Ans. c

18. Peak Resistance of the diode is increased when

a. Forward biased

b. Reverse biased

c. Both forward and reverse biased

d. Either a or b

Ans. b

19. The number of lines of force passing through the secondary coil S when unit current changes in the primary coil P

are called

(a) Self inductance

(b) Mutual inductance

(c) Self induction

(d) Mutual induction

Ans : c

20. Unit of flux

(a) Amp- turns

(b) Weber

(c) Volts

(d) Amps

Ans : b