

ٹیسٹ سے پہلے کم از کم تین بار درود شریف پڑھ لیں۔

Student Name:		Roll No:	Date: / /
سوچ بدلیں، معاشرہ بدلیں		Class 2nd Year	Ch#16
T- Marks - 40	Subject: Physics	Time: 45 - M	Obtained Marks:
Objective Type			
Q#1	Encircle the Correct Option		10X1=10

1. The power dissipated in AC circuit is given by $P=I_{rms}V_{rno}\cos\theta$ in relation $\cos\theta$ is called.

a Phase factor	b Gain factor	c Loos factor	d Power factor
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2. In a chok of induction L and resistance are.

a L is Large and R is small	b L is small and R is large	c Both L and R are large	d Both L and R is small
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3. Power dissated in pure inductor and pure capacitor is .

a Large	b Small	c Infinitive	d Zero
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4. In three phase AC supply the phase difference between each pair of coil is

a 45°	b 120°	c 90°	d 180°
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5. Impedance can be impedance Z can be express by.

a $Z=V_{rms}/I_{rms}$	b $Z=V_{rms} \times I_{rms}$	c $Z=FI$	d None
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6. A sinusoidal current has rms value of 10A its maximum value is.

a 7.7A	b 10A	c 14.14A	d 20 A
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7. The avenge value of AC over one period with peak value VO is.

a $V_o/2$	b V_o	c $2V_o$	d Zero
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8. The rms value of AC supply is 220 V its peak value VO is.

a 150v	b 311v	c 110v	d 440v
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9. In inductor the voltage .

a Lead the current 90°	b Legs current by 90°	c In is phase with current	d Changes independently
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10. High frequency radio wave is called

a Fluctuated	b Career wave	c Mater wave	d Emerge wave
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Q # 2

Short Questions

10 x 2 = 20

1. Why is AC widely used?
2. What is the basic element of AC and DC currents.
3. What is impedance write its formula and unit.
4. Write a note RC.
5. What is power in AC current?
6. How many times per second will an in increscent lamp reach maximum brilance which connected to a 50 HZ source?
7. How does doubling the frequency effect the reactance of (a)an inductor (b)a capacitor
8. What three phase AC supply?
9. Write a properties of parallel resonant current?
10. Write a properties of series resonant circuit?

Q # 3

Long Questions

2 X 5 = 10

- 1 Explain principal generation transmission and reception of electromagnetism wave?
- 2 A tenmH 20Ω coil is connected acnion 240v and $180/\wedge$ H sources . how much aware does it dissipate?