

CIT:134 Electronics-1(Paper B)

Model Paper-2

Objective

Time:30 Min

Marks:15

Q. Encircle the correct answer.

1. A transformer can operate from---- DC  
 (a)fixed (b)changing (c)positive (d)negative
- 2.An auto transformer has ---- winding  
 (a)One, (b)two, (c) three, (d)anyof above
- 3.A transformer represents and example of----- inductance  
 (a)linear (b)nonlinear (c)mutual (d)self
- 4.Thin sheets of silicon steel used for making transformer core are called  
 (a)Winding, (b)coils, (c)lamination, (d)mutual
5. Unit of inductance is called  
 (a)Farad, (b)Henry, (c)ampere, (d)ohm
- 6.A transformer consist of-----  
 (a)coils infinite, (b)stepped, (c)two, (d)longitudinal
- 7.Transformer coils are coupled  
 (a)electrically (b)magnetically (c)horizontally (d)vertically
8. For a series or parallel LC circuit resonance occurs when  
 (a)  $X_L=X_C$  (b)  $X_L>X_C$  (c)  $X_L<X_C$  (d)  $X_L \neq X_C$
- 9.when either L or C is increased the resonant frequency of the LC circuit  
 (a) increases (b)decreases (c)remain the same (d)is determined by shunt r
10. In a parallel LC circuit at the resonant frequency the ----  
 (a)line current is maximum (b)inductive branch current is minimum  
 (c)total impedance is minimum (d)total impedance is maximum
11. A filter separates high and low ---  
 (a)voltages, (b)amplitudes, (c)frequencies, (d)all of these
- 12 A---- pass filter provides output for the lower frequency  
 (a)high (b)low (c)band stop (d)band pass
13. The base of hexadecimal number system is  
 (a)8 (b)10 (c)16 (d)nonethese
- 14NOR gate is ON only when all inputs are  
 (a)positive (b)ON (c)high (d)low
15. If the two inputs of a gate are low and output is high then it is  
 (a)OR, (b)NOR, (c)AND, (d)NOT

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