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|  | **BALOCHISTAN UNIVERSITY OF ENGINEERING AND TECHNOLOGY KHUZDAR** |

DEPARTMENT: EED **TEST-01** Date: 07-09-2921

SUBJECT: Electrical Network Analysis CODE: EE-211

SEMESTER: B.E(3rd Semester) Max: Marks: 05

Time Allowed: 20 Minutes Roll No:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Name of Student\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. The power factor at resonance in R-L-C parallel circuit is
2. Zero (b) 0.08 lagging (c) 0.8 leading (d) Unity
3. Power factor of an electrical circuit is equal to
4. R/Z (b) Cosine of phase angle between I and V (c) Ratio of useful current to total current (d) All above
5. Capacitive reactance is more when
6. Capacitance is less and frequency of supply is less
7. Capacitance is less and frequency of supply is more
8. Capacitance is more and frequency of supply is less
9. Capacitance is more and frequency of supply is more
10. Capacitive Susceptance is a measure of
11. Reactive power in a circuit
12. The extent of neutralization of reactive power in a circuit
13. A purely capacitive circuits ability to pass current
14. A purely capacitive circuits ability to resist the flow of current
15. Ohm is unit of all the following except
16. Inductive reactance
17. Capacitive reactance
18. Resistance
19. Capacitance
20. In a Y-connected circuit, the magnitude of each line current is
21. One-third the phase current
22. Three times the corresponding phase current
23. Equal to the corresponding phase current
24. Zero
25. In a balanced three-phase load, each phase has
26. An equal amount of power
27. One-third of total power
28. Two-thirds of total power
29. A power consumption equal to √3 VLIL
30. In a three-phase system, the voltages are separated by
31. 450 (b) 900 (c) 1200 (d) 1800
32. The most commonly used connections for power systems as a step-up and step-down transformer are
33. Star-delta, Star-star
34. Delta-star, Star-delta
35. Star-delta, Delta-delta
36. Star-delta, Delta-star
37. Phase sequence means ……………………………………………………………………………………………………………………………
38. Draw the Impedance Triangle ………………………………………………………………………………………………………………….
39. Draw the Admittance Triangle………………………………………………………………………………………………………………….
40. Draw the Power Triangle …………………………………………………………………………………………………………………………
41. In Delta connection Line Current is equal to Phase Current (T/F) ……………………………………………………………
42. Write the formula of Resonance frequency …………………………………………………………………………………………….
43. Laplace Transform of sin(3t) …………………………………………………………………………………………………………..………..
44. Laplace Transform of (e-3t)…………………………………………………………………………………………………………………………
45. Laplace Transform of e4tcos3t …………………………………………………………………………………………………………………..
46. Laplace Inverse of (3/(s2+9)) …………………………………………………………………………………………………………………….
47. Laplace Inverse of (s/s2+16) ……………………………………………………………………………………………………………………

***THE END***