

NCR Corporation Placement Paper

Q1) Rms value of AC current is equal to main current at an angle?

- a) 60
- b) 45
- c) 30
- d) 90

Q2) Corona produce in two transmission line if ?

- a) When both placed closed
- b) When both placed widely
- c) Potential difference is very high

Q3) Diac is equal to?

- a) Two diode and two resistor
- b) Trice with two gate
- c) Two thyristor connect in antiparallel
- d) Four layer pnpn scr

Q4) In the Economic transmission point of view Kelvin,s gives ?

- a) Voltage drop at feeder
- b) transmission losses

Q5) The essential condition for using servomotor for high torque at all?

- a) load
- b) speed
- c) voltage
- d) power

Q6) If torque of induction motor is 200n-m at slip 12%. What is the value of torque at slip 6%.....?

- a) 60n-m
- b) 40
- c) 100 n-m
- d) 150

Q7) If speed of induction motor at full load is 950rpm then wht is the speed at half load?

- a) 1000 rpm
- b) 975

Q8) Find the value of $\int \left| \cos t + \frac{1}{2} \right| dt$ where limit is 0 to $\frac{\pi}{2}$?

Q9) What is the slope of $-x^3 + 6x^2 + 2x + 1 = 0$?

Q10) For the purpose of constant speed we use?

- a) Brushless dc motor
- b) stepper motor
- c) shaded pole motor
- d) sync motor

Q11) Essential condition for parallel operation of 1phase transformer?

- a) Rating
- b) Polarity
- c) Impedance
- d) Voltage

Q12) Some of G.K. question

About placed of shriharikota space center.

Q13) Who did give the name of AL?

Q14) World literacy day?

Q15) World environment day?

Q16) If two heaters of 100W & 110 volt other are 150W & 110 volt connect in series with 220v ac source then what is the total power?

Q17) What is the GDP rate of India in 2005-06?

Q18) What is the % rate of production of AL in India?

- a) 10
- b) 20
- c) 7
- d) 14

Q19) One passes which have 4Qs

Q20) Some fill in blanks

Q21) One Q about the find the % of fifth harmonics in a current wave equation.

Q22) 4 pole 3phase 50 htz induction motor running at 1460 rpm. What is the speed of running slip wrt to rotor?

Q23) Find the new kva rating of transformer which hav 220 kva, 1watt iron loss and 2 watt cu loss?

Q24) Hays bridge used for the measurement of?

Q25) In R-L-C parallel resonant circuit

- a) Impedance is max.
- b) resistance is min

Q26) Two bulb 100w & 50w respectively with constant resistances connect in series with 220v dc source then what is the value of voltage across first bulb?

Q27) AC ammeter used for measurement in

- a) Pmmc
- b) induction meter
- c) Dynamometer
- d) moving iron type meter

Q28) For ac current we use?

Q29) We preferred V-V connection over T-T connection why?

Q30) Suspension type insulator is used when?

- a) high voltage
- b) low voltage

- c) oscillating voltage
- d) steady voltage

Q31) One question based on Nortons theorem?

Q32) One question based on inverted-V curve of synch motor.

Q33) One question based on load saturation curve.

Q34) There were 4 question like if A*B represent A is the son of B, some like that

Q35) Some questions from BAR-GRAPHS

Q36) Some questions from probability.

Q37) Some questions from Data–interpretation

Q38) Some questions from diodes.

Q39) One question from winding design for motor (find value of commutator segment)