

- Q.27 What is phase voltage?
- Q.28 How the power is transmitted?
- Q.29 How can you reverse the direction of induction motor?
- Q.30 List the applications of three phase motor.
- Q.31 What is the difference between circuit and sub circuit?
- Q.32 What is the purpose of earthing?
- Q.33 What is the effect of electric shock on human body?
- Q.34 Explain the ELCB.
- Q.35 Explain P type semiconductor.

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x10=20)

- Q.36 Explain the Type and purpose of fuse. Explain its applications.
- Q.37 Explain the plate earthing in detail.
- Q.38 What are the applications and advantages of stepper motor?

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MSIL-120136/030136

1st Sem / Mechanical Engineering (MSIL) Subject:- Basic of Electrical & Electronics Engineering

Time : 3Hrs.

M.M. : 100

SECTION-A

Note: Multiple choice questions. All questions are compulsory (10x1=10)

- Q.1 AC can be generated at _____
- a) 500 kv b) 66kv
- c) 11 kv d) 500 v
- Q.2 A wattmeter has _____ coils.
- a) 2 b) 3
- c) 5 d) 6
- Q.3 In a circuit current is measured by _____
- a) Voltmeter b) Wattmeter
- c) Ammeter d) None of these
- Q.4 Wire through which current is flow to the supply is known as _____ wire
- a) Neutral b) Phase
- c) Earth d) None of these

- Q.5 The Neutral wire color is _____
- a) Black b) Green
c) Red d) Yellow
- Q.6 1 H.P. = _____ W
- a) 736 watt b) 790 watt
c) 780 watt d) 670 watt
- Q.7 Domestic electrical installation has _____ loads.
- a) 6 kw b) 3 kw
c) 5 kw d) 8 kw
- Q.8 A fuse used in electrical circuit is a _____ device.
- a) Safety b) Power
c) Accessories d) None of these
- Q.9 Single phase energy meter has _____ terminals.
- a) 5 b) 4
c) 10 d) 6
- Q.10 Earthing is done to prevent _____ to the user.
- a) Shock b) Loss of current
c) Loss of power d) None of these

SECTION-B

Note: Objective type questions. All questions are compulsory. (10x1=10)

- Q.11 What is alternating current?

- Q.12 What is the frequency of dc.
- Q.13 Define electric current & its unit.
- Q.14 What is the unit of resistance?
- Q.15 Electric current is measured by
- Q.16 What is star connection in three phase system?
- Q.17 Why induction motor is called asynchronous motor?
- Q.18 What is line voltage?
- Q.19 What is the purpose of guide wires?
- Q.20 What is pentavalent impurity?

SECTION-C

Note: Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

- Q.21 What is the difference between AC and DC?
- Q.22 Draw the circuit diagram to measure voltage, current and power in an ac circuit.
- Q.23 Explain the difference between resistance and specific resistance.
- Q.24 What are the advantages of three phase system over single phase system?
- Q.25 What is the effect on current when alternating voltage is applied on pure resistance?
- Q.26 Explain the concept of phase difference between two sinusoidal ac quantities.