

Q.25 How 3-phase power transmitted

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Roll No.

Q.26 Describe split phase induction motor

3rd Year / Advance Diploma in Tool and Die Making

Subject:- Electrical and Electronics Engineering

O.27 Describe concealed conduit system of wiring.

O.28 Why we use natural link ? Explain

O.29 Explain ELCB.

O.30 Explain MCB.

O.31 Explain N-type semiconductor.

Q.32 Explain energy band theory.

Q.33 Draw neat sketch of step up transformer.

Q.34 What are the advantages of AC over DC.

Q.35 Why frequency of DC is Zero hertz. Explain.

SECTION-A

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

O.1 A watt meter has coils.

Q.2 Current defined as ratio of voltage and

- a) Resistance
 - b) Watts
 - c) Energy
 - d) Work

Q.3 oil used in transformer for cooling

- a) Transformer oil
 - b) grease oil
 - c) lubrication oil
 - d) None of these

Q.4 $K > 1$ will be considered as

- a) Step up transformer
 - b) Step down transformer
 - c) Both A & B
 - d) None of these

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Q.5 Full form of SRM

- a) State Reluctance motor
- b) Switched Reluctance motor
- c) Shock reluctance motor
- d) None of these

Q.6 $1 \text{ H.p} = \underline{\quad} \text{ W}$

- a) 735.5
- b) 747
- c) 736.7
- d) 715.5

Q.7 Fuses used in house wiring

- a) Kit-Kat
- b) HRC
- c) Carriage
- d) All of these

Q.8 In DC Circuit, $P = \underline{\quad}$

- a) $VI \cos \phi$
- b) $VI \sin \phi$
- c) $VI \cos \sin \phi$
- d) VI

Q.9 Full form of ELCB

- a) Earth leakage circuit breaker
- b) Earth leakage case breaker
- c) Earth leakage circuit breaker
- d) None of these

Q.10 SCR is Device

- a) Semiconductor
- b) Non-semiconductor
- c) Transistor
- d) None of these

SECTION-B

Note: Objective type questions. All questions are compulsory. $(10 \times 1 = 10)$

Q.11 Define watt meter

Q.12 What is time period.

Q.13 Transformers are rotated in

Q.14 What is starter

Q.15 Full form of MCB

Q.16 What is HRC fuse.

Q.17 Purpose of Earthing

Q.18 What is SCR

Q.19 Draw symbol of Diode

Q.20 What is integrated circuit

SECTION-C

Note: Short answer type questions. Attempt any twelve questions out of fifteen questions. $(12 \times 5 = 60)$

Q.21 Explain difference between Resistance and specific Resistance.

Q.22 Explain Auto transformer.

Q.23 State Faraday law of electromagnetic induction.

Q.24 Define phase and line voltage