

(ENGLISH)

[TIME ALLOWED—3 HOURS]

(MARKS—100)

THEORY OF WIREMAN (THEORY-II)**Marks**

1. (a) Fill in the blanks :—

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(i) is used to measure the gauge of wire.

(Standard wire gauge, Plier, Steel tape)

(ii) The rating of fuse is given in

(Ampere, Volt, Kilo-watt)

(iii) In the try square have degree angle.

(90, 45, 60)

(iv) is used for hamming winding.

(ball peen hammer, Mallet, Cross peen hammer)

(v) Centrifugal Switch is used in motor.

(Permanent capacitor, Universal, Split phase)

(b) Match the following :—

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'A' Group**'B' Group**

(i) Combination pliers

(a) Self Induction

(ii) Transformer

(b) To twist the wire

(iii) Choke

(c) Volt

(iv) Voltage

(d) Ohm

(v) Resistance

(e) Mutual Induction.

(c) State *true* or *false* :—

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(i) Unit of electric current is watt.

(ii) A small screw driver is called a connector.

(iii) A cable means an insulation covered conductor.

(iv) The resistance is high in good earthing.

(v) Unit of electric Voltage is watt.

(d) Write the long form :—

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(i) H. R. C.

(ii) H. P.

(iii) B. O. T.

(iv) C. T. S.

(v) P. T.

[Turn over

2. Answer the following (any *two*) :— 16
- (a) State difference between conductor and insulator.
 - (b) Explain mercury vapor lamp with diagram.
 - (c) Which types of plier and explain one with fig.
 - (d) Explain importance of safety and safety rules.
3. Answer the following (any *two*) :— 16
- (a) What is circuit ? and explain types of circuit.
 - (b) Explain on which factor resistance of a current carrying conductor is depend upon.
 - (c) Explain the think about wiring before choice of wiring type.
 - (d) Explain wire gauge with figure.
4. Answer the following (any *two*) :— 16
- (a) What is Earthing ? Explain necessary of earthing.
 - (b) Explain different effect of electric current.
 - (c) Explain controlling accessories in details.
 - (d) What is magnet ? Explain use and parameter.
5. Answer the following (any *four*) :— 16
- (a) What is mutual Induction ?
 - (b) Explain testing of supply polarity.
 - (c) What is fuse and explain its types.
 - (d) Explain ohms law with formula.
 - (e) Explain types of transformer on core.
 - (f) Explain types of screw drivers and its use.
6. Answer in brief (any *two*) :— 16
- (a) Explain Florescent tube connection with diagram.
 - (b) Explain series circuit parameters with diagram.
 - (c) Explain importance of starter to start motor.
 - (d) Explain fault and remedies produce in celling fan.
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