

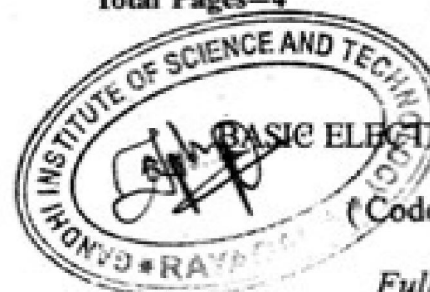
(4)

7. Write short notes on any *four* of the following : $3\frac{1}{2} \times 4$

- (a) B.H. Curve
 - (b) Line and phase relation of electrical quantities in star connection
 - (c) Torque in instruments
 - (d) Wind power generators
 - (e) Connection diagram for Ammeter, Voltmeter and Watt meter.
 - (f) Power triangle.
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Total Pages—4

I—Sem/COMMON/2014
(Instant) (New)



BASIC ELECTRICAL ENGINEERING

(Code : BET—101)

Full Marks : 70

Time : 3 hours

Answer any **five** questions

Figures in the right-hand margin indicate marks

1. Answer the following : 2 × 7
 - (i) Define frequency. What is the value of Indian standard frequency.
 - (ii) Why fuse is necessary ?
 - (iii) What is the function of brush in a D.C. generator ?
 - (iv) What is the power consumed by a purely inductive circuit ? What is the power consumed by a purely capacitive circuit.
 - (v) State Ohm's law.