

SECTION-B

Note: Short answer type questions. Attempt any six questions out of Eight questions. $(6 \times 5 = 30)$

- Q.11 Describe the repair of any four fault encounter in A . C motor.
- Q.12 Discuss the construction, working principle of single phase split phase induction motor.
- Q.13 Describe any one method of soldering in detail.
- Q.14 Explain installation and testing of D . C motors in brief
- Q.15 Explain different cooling methods used for transformers.
- Q.16 Explain the working principle and construction of Auto transformer.
- Q.17 Describe the construction and working of Repulsion start induction motor in brief.
- Q.18 Explain the different characteristics of D . C compound motor.

SECTION-C

Note: Long answer type questions. Attempt any one question out of two questions. $(10 \times 1 = 10)$

- Q.19 Describe with neat Sketch the construction, Principle and working of single phase transformer.
- Q.20 Why is starter necessary for starting a large three phase induction motor. Describe star-Delta starter with a neat sketch.

No. of Printed Pages : 2

Roll No.

188444

DVOC (Level 4)

Sem 2nd / Ref. & Air Cond.

Subject : Electrical Machine (787)

Time : 2 Hrs.

M.M. : 50

SECTION-A

Note: Very short answer type questions . Attempt all ten question $(10 \times 1 = 10)$

- Q.1 Write any two applications of 1- phase induction motor.
- Q.2 What is step down transformer
- Q.3 What is soldering
- Q.4 Write any two applications of DC shunt motor.
- Q.5 What is voltage transformer .
- Q.6 The most widely used motor in industry is _____.
- Q.7 D.C. series motor _____ speed motor.
- Q.8 Define transformation ratio of transformer.
- Q.9 A transformer should never be connected to a _____ source.
- Q.10 Single phase motors are generally of_____ horse power.