

No. of Printed Pages : 2

Roll No.

188444

DVOC (Level 2)
4th Sem
Subject : Electrical Machines

Time : 2 Hrs.

M.M. : 50

SECTION-A

Note: Very short questions. Attempt all ten questions.
(10x1=10)

- Q.1 What is Soldering?
- Q.2 What is need of cooling of transformers?
- Q.3 Give two applications of Series type D.C. motor.
- Q.4 Tell any two methods used for testing of A.C. motors.
- Q.5 Give two applications of Universal type D.C. motor.
- Q.6 Tell any two causes of A.C. motor failures.
- Q.7 What is speed control in D.C. motors?
- Q.8 Write two applications of step-down voltage transformer.
- Q.9 Write any two common faults in A.C. motors.
- Q.10 Give two applications of Repulsion start type A.C. motor

(1)

188444

SECTION-B

Note: Short answer type questions. Attempt any six questions out of eight questions. (6x5=30)

- Q.11 Explain any three techniques of Soldering in detail.
- Q.12 Differentiate between step-up and step-down voltage transformer.
- Q.13 Explain any four common faults in D.C. motors.
- Q.14 Explain working of a three phase induction motor.
- Q.15 Explain working of a compound D.C. motor.
- Q.16 Write short note on speed reversal of A.C. motors.
- Q.17 Explain any three methods used for testing of D.C. motors.
- Q.18 Explain working of auto transformer in brief.

SECTION-C

Note: Long answer questions. Attempt any one questions out of two questions. (1x10=10)

- Q.19 Explain the principle and working of D.C. motor - Shunt type in detail.
- Q.20 Explain the construction & working of one phase A.C. Induction motor- Capacitor type in detail.

(2)

188444