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188444

Level 4 / 2nd. Sem. / DVOC

Ref. & Air Cond.

Subject : Electrical Machines (787)

Time : 2 Hrs. M.M. : 50

SECTION-A

Note: Very short answer type questions. All questions are compulsory (10x1=10)

Q.1 What is function of flux in soldering?

Q.2 Give two applications of Shunt type D.C. motor.

Q.3 Tell any two methods used for testing of D.C. motor.

Q.4 Give two applications of compound type D.C. motor.

Q.5 What is rewinding of transformers?

Q.6 What is autotransformer?

Q.7 Give two applications of Shaded pole type A.C. motor.

Q.8 Tell any two causes of D.C. motor failures.

Q.9 What is speed reversal in A.C. motors?

Q.10 Write two applications of step-up voltage transformer.

SECTION-B

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

Q.11 Explain any three types of Solders in detail.

Q.12 Explain any three methods used for cooling of transformers.

Q.13 Explain working of step-up current transformer.

Q.14 Explain any four common faults in single phase A.C. motors.

Q.15 Explain principle of three phase induction motor.

Q.16 Differentiate between compound and universal D.C. motor in brief.

Q.17 Write short note on speed control of D.C. motors.

Q.18 Explain any three methods used for testing of A.C. motors.

SECTION-C

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

Q.19 Explain the principle and working of D.C. motor-series type in detail.

Q.20 Explain the construction & working of single phase A.C. Induction motor - Split phase type in detail.