

SECTION-D

Note: Long answer type questions. Attempt any three questions out of four questions. 3x10=30

Q.33 Explain working of single phase voltage controller with R-L load.

Q.34 Explain working of SMPS and SVC.

Q.35 Explain the different types of circuit breakers.

Q.36 Explain following:-

(a) voltage frequency control drive.

(b) Thyristor controlled reactors.

No. of Printed Pages : 4

Roll No.

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6th Sem. / Power Eltx.

Subject : Power Electronics-II

Time : 3 Hrs.

M.M. : 100

SECTION-A

Note: Objective type questions. All questions are compulsory. (10x1=10)

Q.1 Expand SVC.

Q.2 Unidirectional control is also known as _____.

Q.3 Expand UPS.

Q.4 The single phase bridge type cycle-converter uses 8 no's of SCR's (T/F)

Q.5 Expand STATCOM.

Q.6 If the load current decreased then the power factor is increased (T/F).

Q.7 Chopper convert _____ into _____.

Q.8 Give two application of cycloconvert.

(40)

(4)

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(1)

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Q.9 Give two functions of capacitor bank.

Q.10 Define electric drive.

SECTION-B

Note: Very Short answer type questions. Attempt any ten questions out of twelve questions. 10x2=20

Q.11 What is off line UPS.

Q.12 Define AC voltage controllers.

Q.13 What is half wave converter drive.

Q.14 What is chopper.

Q.15 Define static switch.

Q.16 Define power factor.

Q.17 What is chopper drive.

Q.18 Define cycloconverter.

Q.19 What is circuit breaker.

Q.20 List applications of electric drive.

Q.21 Define SMPS.

Q.22 Explain solid state relay.

(2)

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SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions. 8x5=40

Q.23 Explain the working of D.C motor speed control.

Q.24 Write short note on following:-

(a) FACTS. (b) solid state relay.

Q.25 Explain working of single phase to single phase step down cycloconverter.

Q.26 Explain static switches.

Q.27 Describe the operation of multistage sequence control of voltage controller.

Q.28 Explain working of 2 and 4 quadrant chopper drive.

Q.29 Write two application of cycloconverter.

Q.30 What are the difference between ON line and OFF line switch

Q.31 Write short note on SMPS.

Q.32 Explain working of half wave converter drive.

(3)

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