Sub. Gertronics d'activisme Englig

PT Oct UK-398

Con. 5819-08.

(REVISED COURSE)

RC-8792

10

(3 Hours)

[Total Marks: 100

			• • • • • • • • • • • • • • • • • • • •	
N.E		(1) (2) (3) (4)	Question No. 1 is compulsory. Attempt any four questions from remaining six questions. Assume suitable data if necessary. Figures to the right indicate full marks.	8
	А	ttem (a) (b) (c) (d) (e)	State the significance of back emf in D.C. moter. Why single phase induction motor is not self starting? Explain voltage regulation of an alternator.	20
2.	(a (b	o) A ta m	xplain the Internal and External characteristics for D.C. generator. 250 volt d.c. shunt motor has armature resistance of 0.25 ohm, on load it akes an armature current of 50 Amp. and runs at 750 rpm. If the flux of the notor is reduced by 10% without changing the load torque, find the new speed of the motor.	10 10
3.	(a (b) Ti Ti pe	보통 얼마 다른 아무는 이렇게 가장 이렇게 가장하는 이 없는 사람들이 되었다면 하셨다면 아무리	10
4.	(a) (b) (c)	W	rite a short note on 'V-curves' for synchronous motor. Prive the equation for induced emf in alternator.	5 5 10
5 .	Wr	(a)	hort notes on :- Instrument Transformers Relays Circuit Breakers HRC Fuses.	20
	(a) (b)	Ex Dra CF	aw and explain the block diagram of CRO. Describe the applications of a 1	10 10
	(a)	Ex	plain the application of SCR for speed control of – (i) AC motor (ii) DC series motor.	0

(b) Explain the internal architecture of 8085 microprocessor.