

#### ANJUMAN-I-ISLAM'S KALSEKAR TECHNICAL CAMPUS, NEW PANVEL

SCHOOL OF PHARMACY

Approved by : All India Council for Technical Education, Council of Architecture, Pharmacy Council of India New Delhi, Recognised by : Directorate of Technical Education, Govt. of Maharashtra, Affiliated to : University of Mumbai.

□ SCHOOL OF ARCHITECTURE

SCHOOL OF ENGINEERING & TECHNOLOGY

#### DEPARTMENT OF ELECTRICAL ENGINEERING

RE	EV:00	DEPARTMENT OF ELECTRICAL ENGINEERIN	G	EXM-0	4(a)
CLAS	S:- TE	A	SEM:- VI	1 1	
SUBJI	ECT:- EM-III		DATE:- 2	7/2/18	
DURA	ATION:- 1hr		MARKS:- 20	) (	
		CLASS TEST 01		18	
Q.01 A	Attempt any	TWO: (10 Marks)	TECH	Marks	CO
		fect of change in excitation for alternator connected to infinite bus.	*ADVIO	10	CO1
2 V	What is armati	ure reaction? Explain armature reaction for unity, Zero lagging & Z	ero leading.	10	CO1
3 E	Explain Blod	el's two reaction theory.	A CO	10	CO1
Q.02 A	Attempt any	ONE: (10 Marks)	A P	3	
w pe	vinding is hav er pole requir	kV, 50Hz 3 phase 750 rpm star connected alternator is driven at 30 ring 360 slots with 6 conductors per slot coil span is 5/6 of pole pite red to give 11 kV line voltage on open circuit.	th calculate flux	10 S	CO2
th	nat of other i	ase alternators operate in parallel the rating of one machine is is 100MW. Both alternators are fitted with governors having a machine share a common load of 100MW.	50MW and drop of 4%.	MACY*	CO2

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SCHOOL OF PHARMACY SCHOOL OF ARCHITECTURE

Q.02 Attempt a A What is po B Discuss t C The line c	Q.01 Attempt an A Discuss the B Discuss the C Write shor	CLASS:- TE SUBJECT:- POWE DURATION:- 1hr	REV:00
Q.02 Attempt any TWO: (10 Marks)  A What is power invariance in unsymmetrical fault analysis?  B Discuss the Z Bus formulation technique.  C The line current in three phase system are I <sub>a</sub> = 5260 Amp, I <sub>b</sub> = 52-60 amp, I <sub>c</sub> = 0.	Q.01 Attempt any TWO: (10 Marks)  A Discuss the short Circuit of synchronous machine under load condition.  B Discuss the transients on transmission line and Derive the expression for current.  C Write short note on selection of circuit breaker.	CLASS:- TE SUBJECT:- POWER SYSTEM ANALYSIS  DURATION:- 1hr  CLASS TEST 01	DEPARTMENT OF ELECTRICAL ENGINEERING  DEPARTMENT OF ELECTRICAL ENGINEERING
s CO1 s CO1 s CO1	MDIA S	MARKS:- 20  Marks CO  5 CO2	SEM:- VI DATE:- 27/2/18

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Find the symmetrical component.



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DEPA	DEPAKIMENT OF ELECTRICAL ENGINEERING		
REV:00	DEPARTMENT OF ELECTRICAL ENGINEERING	EXM-04(a)	4(a)
CLASS:- TE	SEM: VI		
SUBJECT:- UEE	SATA NO	010	
DITRATION: 15.	1	OIO	
DORALION:- Inr	MARKS:- 20		
	CLASS TEST 01		
Q.01 Attempt any TWO: (10 Marks)		Marks	3
1 State and explain laws of i	State and explain laws of illumination & why photometers are required		3
2   Explain the importance of 25KV AC traction system	KVAC traction system	1	100
3 What are the different light:		U	COI
what are the different lighting schemes explain in brief	ng schemes explain in brief	S	CO2
Q.02 Attempt any ONE: (10 Marks)	rks)		
1 Analyze the quadrilateral s	Analyze the quadrilateral speed time curve and derive an expression for the speeds VI V2	10	201
in terms of $\alpha$ , $\beta$ and $\beta$ c			
2 Two lamps are posted 14m ap	Two lamps are posted 14m apart and are fitted with 200CP lamb each at a height of 5m above the	10	
ground. Calculate i) Illuminat	ground. Calculate i) Illumination midway between the lamps ii) Illumination under each lamp	10	700

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DEPARIMENT OF ELECTRICAL EN	IGINEERING	EXM-04	4(a)
			·(u)
CLASS:- TE	SEM:- VI		
SUBJECT:- CS-I	DATE:- 2		
DURATION:- 1hr	MARKS:-	- 20	
<u>CLASS TI</u>	EST 01		
Q.01 Attempt any ONE: (10 Marks)		Marks	CO
Find C(s)/R(s) by using Mason Gain formula.		10	CO2
R(5) -H1	TECHNIC	10	CO2
2 Explain eleven rules involved in block reduction technique Q.02 Attempt any ONE: (10 Marks)		10	COZ
Find C(s)/R(s) by using block reduction technique.	43 H	10	CO
2 Find the F-V analogous and F-I analogous of the following	mechanical system.	10	C02



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SUBJECT:- PM Q.01 Attempt any TWO: (10 Marks) DURATION:- ihr CLASS:- TE Explain break even analysis. **REV:00** How is market and demand feasibility done? Explain with example. Explain SCBS and UNIDO approach of social appraisal of projects What is expected of project manager? Explain funding methods of projects. DEPARTMENT OF ELECTRICAL ENGINEERING DEPARTMENT OF ELECTRICAL ENGINEERING CLASS TEST 0 MARKS:- 20 DATE:- 01/03/18 SEM:- VI Marks EXM-04(a) 10 10 CO CO2 CO<sub>2</sub> CO2 CO2 CO1

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CLASS:- THIRD YEAR	D YEAR	SEM:- VI	-	
SUBJECT:- MA	DUS, NEW PANTS	DATE:-	8 5 10	
<b>DURATION:- 1 HOUR</b>	HOUR	MARKS:- 20	20	
	CLASS TEST 01			
Q.01 Attempt an	Q.01 Attempt any TWO: (10 Marks)		Marks	CO
1 Explain data	Explain data memory structure.	IP	05	CO2
2 Explain diffi	Explain difference between microprocessor and microcontroller.	NO	05	CO1
3 Explain stati	Explain status register model.	- 1	05	CO2
Q.02 Attempt an	Q.02 Attempt any TWO: (10 Marks)	Al		
1 Explain vari	Explain various addressing modes.	MB	0.5	CO3
2 Explain rota	Explain rotating and comparing instruction.	NU	05	CO3
3 Explain Incr	Explain Increment and Decrement instruction.	11/	05	CO3

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