## <u>Page=02</u>

## End Semester Examination (ESE), 2020

SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM	
SCTE ASSAM	
SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM	
SCTE ASSAM SCTE ASSAM SCTE ASSA Subject Code: El-602 TE ASSAM SCTE ASSAM	
SCTE ASSAM	
SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTEASSAM SCTE ASSAM SCTE ASSAM	
SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM	
SCTE ASSAM	
SCTE ASSAM SCTE ASSAM SCTEASSA QUESTIONS are compulsory AM SCTE ASSAM	
SCTE ASSAM SCTE ASSAM SCTE $\stackrel{\cdot}{\mathrm{PART}}=\stackrel{\cdot}{\mathrm{A}}^{\mathrm{SAM}}$ SCTE ASSAM SCTE ASSAM	
SCTE ASSAM	
scte assam scte assam scte assam scte $\stackrel{\mathbf{Marks}}{Marks}$ et e $^{10}$ sam scte assam scte assam	
1. An over excited synchronous motor on no load is known as ASSAM SCIE ASAM	1
2. In a 3- phase, 4 — wire a. c. system, if the loads are balanced, then	
what is the current in the neutral? AM SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE SCCTE	1
3. Maximum demand tariff is not applied to domestic consumer because	1
4. Which one is costly – underground system or overhead system? SCTE ASSAM	1
5. What is the unit of luminous flux? M SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM	1
6. What type of heating method has maximum power factor?  SCTE ASSAM SCTE ASS	1
7. During resistance welding heat produced at the joint is proportional to	1
8. Which part of a motor needs maximum attention for maintenance? ASSAM	1
9. The process of providing an oxide film is known as	1
10. What are the three elements of a distribution system? CTE ASSAM SCTE ASSAM	1
SCTE ASSAM	
scte assam scte assam scte assam scte assam scte assam scte assam scte assam scte assam scte assam scte ass <b>Marks</b> a <del>s</del> .46 scte assam scte assam scte assam	
11. Why is the power factor improvement in power supply system necessary?	3
12. What are the advantages of electric heating?	3
13. Write the difference between illumination and luminous intensity.	3

14. With a neat dia	gram, show the various parts of a three phase cable.	3
electrical distr		3
16. Compare the n	m scre assam scre assam scre assam scre assam scre assam scre assam merits and demerits of underground system versus merits and scre assam scre assam scre assam scre assam em. m scre assam scre assam scre assam scre assam scre assam scre assam	4
17. What are the d	lifferent types of tariff? Write short notes on power ASSAM M SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM	4
18. What is an electrical drive	ottical drive? Name the motors which are generally used for a scalar scie assam scie ass	4
	M SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM	
19. Discuss the de	esign considerations in a distribution system. AM SCTE ASSAM	4
20. A 3 phase, 4 I of capacitors raised to 0.95 in each phase.	KW induction motor has a power factor of 0.8 lagging. A bank is connected in delta across the supply terminals and power factor lagging. Determine the KVAR rating of the capacitors connected ascert assam scre	5
tariff is Rs 150 the overall cos .21. Explain the m	OR aethod of solving A. C. distribution problem when p. f. of load	5
C	en w. r. t. receiving end voltage. Also draw the vector diagram.	5
22. The candle por 2.5 meter from (i) normal, (ii)	wer of a lamp is 120. A plane surface is placed at a distance of m this lamp. Calculate the illumination on the surface when it inclined to 45° and (iii) parallel to rays.	5
	M SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM	
	M SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM	
	M SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM	
	A SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM	
	M SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM	
	M SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM	
	M SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM	
	M SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM	
	M SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM	