School of Electrical Electronics and Communication Engineering
Electrical Engineering
ETE - Jun 2023

Time : 3 Hours   **Marks : 50**

Sem VI - BEEE4001 - Smart Grid and Energy Management System
Your answer should be specific to the question asked
Draw neat labeled diagrams wherever necessary

1.	Enlist difference between smart meter and advanced meter.	K1 CO1	(2)
2.	What are the cyber threats to smart grids?	K2 CO2	(2)
3.	Write the main characteristics Smart Grid.	K2 CO2	(2)
4.	What is difference between conventional Grid & Smart Grid?	K1 CO1	(2)
5.	Classify technologies drivers required for the Smart Grid.	K2 CO3	(2)
6.	Analyze basics of Web Service and CLOUD Computing to make Smart Grids smarter.	K4 CO4	(6)
7.	Discuss the evolution of Electric Grid.	K3 CO3	(5)
8.	What is power quality management in smart grid?	K3 CO4	(5)
9.	How to Examine Fault Detection and Outage management in smart grid?	K5 CO5	(8)
10.	Discuss the architecture of the Smart Grid with suitable block diagram.	K4 CO5	(8)
11.	Illustrate Local Area Network (LAN) and House Area Network (HAN) with neat diagram.	K5 CO6	(8)