

**ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, RAJAMPET
(AUTONOMOUS)
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

Subject: SWITCH GEAR AND PROTECTION(7G263)

Class: III B.Tech (EEEE, B &C)-II Semester

Academic Year: 2019-2020

**UNIT-IV
ASSIGNMENT QUESTIONS**

		Marks	Course Outcomes	Bloom's Level
1	Explain the translay protection scheme for feeders.	10M	CO3	L2
2	Discuss the over-current protection scheme for ring mains.	10M	CO3	L1
3	With neat sketch ,discuss the differential scheme for bus-bar protection	10M	CO3	L3,L1
4	Explain 3-zone protection using distance relays for transmission lines.	10M	CO3	L2
5	Explain how the selection of current and time settings is done in a time-current graded system.	10M	CO3	L2
6	Discuss the protection of radial and ring main feeders.	10M	CO3	L1
7	Discuss the carrier system of protection.	10M	CO3	L1
8	List various schemes of protection of feeders and compare their performance.	10M	CO3	L1
9	Discuss the schemes of protection for a parallel feeder fed from (i) one end (ii) both ends.	10M	CO3	L1
10	What is meant by 3-zone protection? Draw the schematic diagrams of contact circuits and principle of operation for (i) short length lines (ii) medium length lines.	10M	CO3	L1,L3
11	Discuss the protection scheme for bus bars.	10M	CO3	L1