

1183

Code : 15EC53T

Register
Number

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V Semester Diploma Examination, Nov./Dec.-2018

ADVANCED COMMUNICATION

Time : 3 Hours]

[Max. Marks : 100

- Note :** (i) • Answer any **six** questions from Part – A.
(ii) Answer any **seven** questions from Part – B.

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PART – A

Diploma - [All Branches]

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1. Define and sketch the figures of IMPATT and TRAPATT diodes. 5
2. List the Antenna Scanning and Tracking methods. 5
3. Compare A-scope and PPI displays. 5
4. Explain Uplink and Downlink frequencies. 5
5. Explain Single Conversion transponder with neat sketch. 5
6. List satellite applications in different areas. 5
7. Explain GPS. 5
8. Explain the Capacity Expansion Techniques. 5
9. Write the importance of frequency reuse in mobile communication. 5

PART – B

10. Explain construction and working of TWT. 10
11. Explain the construction and working of a TRAPATT diode. 10
12. Explain the working of CW Doppler RADAR. 10
13. Illustrate the working of GCA Landing System for aircrafts. 10
14. Compare LEO, MEO and GEO satellite. 10
15. Explain the working of TTC satellite subsystem with neat block diagram. 10
16. Explain DTH system with neat figure. 10
17. List the features of CDMA 2000 system. 10
18. With a neat block diagram explain the architecture of GSM. 10
19. Discuss the network topologies and applications of Zigbee. 10

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Diploma - [All Branches]

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Diploma Question Papers [2015-19]

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