

Total No. of Questions : 8]

[Total No. of Printed Pages : 2

Roll No

EC-802 (GS)**B.E. VIII Semester**

Examination, May 2018

Grading System (GS)**Advanced Communication System***Time : Three Hours**Maximum Marks : 70*

- Note:** i) Attempt five questions.
ii) All questions carry equal marks.

1. Write various properties of Maximal-length-sequences.
2. Describe time hopping impulse radio.
3. Describe multi carrier code division multiple access in detail.
4. What is single carrier modulation with frequency domain equalization?
5. Describe smart antenna system with the help of transmitter and receiver.
6. Describe MIMO in detail.

[2]

7. Describe the architecture of the cognitive transceiver.
8. Answer any four of the following:
 - a) Describe Code-Division Multiple Access (CDMA).
 - b) How time frequency selective channel is estimation is done in OFDM system?
 - c) Describe smart antenna advantages.
 - d) Discuss the issues in the spectrum management.
 - e) What are the benefits of co-operative transmission?
 - f) Describe multi hop wireless communication.
