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**Question Paper Code : 20430**

B.E./B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2018.

Fifth/Eighth Semester

Electronics and Communication Engineering

EC 6801 — WIRELESS COMMUNICATION

(Common to Robotics and Automation Engineering and Information Technology)

(Regulations 2013)

(Also common to PTEC 6801 – Wireless Communication for B.E. (Part-Time) –  
Sixth Semester – Electronics and Communication Engineering – Regulations 2014)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. What is fast fading?
2. Define Coherence time.
3. List the features of Cellular concept.
4. How is frequency reuse distance measured in cellular system?
5. Define PAPR. Is it high or low in OFDM?
6. State the advantages of GMSK.
7. Distinguish linear and non linear equalization.
8. What is Macro-diversity?
9. What is meant by spatial multiplexing and spatial diversity?
10. What is Channel State Information? How is it obtained?