322849(22)

APR-MAY
B. E. (Eighth Semester) Examination, 2020

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(New Scheme)

(CSE Engg. Branch)

WIRELESS NETWORKS

Time Allowed : Three hours

Maximum Marks : 80

Minimum Pass Marks : 28

Note : *Attempt all questions. Part (a) is compulsory. Attempt any **two** parts of three i.e. (b), (c) and (d).*

1. (a) Define types of Wireless Communication Network.   2

   (b) Describe generation of wireless communication.   7

   (c) Define small scale multi path fading.   7

(d) What is Linear time variant channel model also
explain their functions. 7

2. (a) Define Band pass transmission. 2

(b) Define vector space representation of M-Ary signal. 7

(c) Short note on : 7
  (i) M-Ary phase shift keying
  (ii) Gaussian minum shift keying

(d) Describe different Diversity Mechanism. 7

3. (a) Explain call blocking & delay? 2

(b) Explain co-channel & adjacent channel interference. 7

(c) What is Cell splitting? 7

(d) Describe frequency reuse & Mobility Management. 7

4. (a) What is carrier sense multiple access. 2

(b) Explain call admission control (CAC) also explain
types of Handoff. 7

(c) Comparsion between CDMA, TDMA, FDMA. 7

(d) Explain Location Management for cellular Network & PCS network. 7

5. (a) What is ADHOC Network. 2

(d) Describe wireless application protocol. 7

(c) Comparsion between IPV4 & IPV6. 7

(d) Explain transmission control protocol & also explain their types. 7