Reg. No. ☐☐☐☐☐☐☐   **B**

B.Tech. Degree VI Semester Examination April 2019

IT 15-1606 (E2) WIRELESS NETWORKING
(2015 Scheme)

Time: 3 Hours   Maximum Marks: 60

PART A
(Answer *ALL* questions)

$(10 \times 2 = 20)$

I. (a) What are the classifications of transmission media?

(b) Define Nyquist bandwidth.

(c) What are the four generic architectural components in a public telecommunications network?

(d) What are the two functions performed by an antenna?

(e) Explain geostationary satellites.

(f) Explain the difference between slow FHSS and fast FHSS.

(g) Define the capabilities provided by mobile IP.

(h) What is tunneling?

(i) What services are provided by WSP?

(j) What are the three general applications provided by Bluetooth using short range wireless connectivity?

PART B

$(4 \times 10 = 40)$

II.   Explain the asynchronous transfer mode.   (10)

OR

III. (a) Briefly explain OSI layers.   (5)

(b) Explain internetworking.   (5)

IV.   Explain the direct sequence spread spectrum.   (10)

OR

V. (a) Explain Go-back-N ARQ.   (5)

(b) List three different ways in which the CRC algorithm can be described.   (5)

VI.   Describe wireless application protocol architecture.   (10)

OR

VII.   Write a short note on GSM.   (10)

VIII.   Explain IEEE 802.11 architecture and services.   (10)

OR

IX.   Explain IEEE 802.15.   (10)

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