

Total No. of Questions :8]

SEAT No. :

[Total No. of Pages :2

P3970

[5561]-671

B.E. (E & TC)

WIRELESS SENSOR NETWORKS

(2015Course) (Semester - II) (End Semester) (Elective-IV)

Time : 2:30Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) *Neat diagram must be drawn wherever necessary.*
- 2) *Figures to the right indicate full marks.*

- Q1)** a) What are the performance metrics of WSN, Explain. [8]
b) Explain B.MAC protocol. [6]
c) Explain 6LOWPAN protocol. [6]

OR

- Q2)** a) Write a short note on sensor Network Communication stack. [8]
b) What in significance of naming and addressing in WSN. [6]
c) Explain in detail Insteon protocol. [6]

OR

- Q4)** a) Explain what are routing metrics in WSN. [8]
b) What in location based routing explain. [8]

- Q5)** a) What are different clustering techniques Explain any two. [10]
b) Explain communication security in WSN. [8]

OR

P.T.O.

Q6) a) Explain the Denial of- service attack at each layer. [10]

b) What is data aggregation in WSN, explain. [8]

Q7) a) Explain design and deployment w.r.t any one WSN application. [8]

b) What is testing and validation in WSN application [8]

OR

Q8) a) Explain top down approach in design. [8]

b) Write a short note on requirement analysis. [8]

