Total No. of Questions: 8]	200	SEAT No. :
P2941	[6004]-884	[Total No. of Pages : 2
	<b>B.E.</b> ( <b>E&amp;TC</b> )	
WIREL	ESS SENSOR NETV	<b>WORKS</b>
(201 F.D. 44 ) A		TT7) (40.44.03.01)

WIRELESS SENSOR NETWORKS	
(2015 Pattern) (Semester-II) (Elective-IV) (404192C)	
Time: 2½ Hours] [Max. Marks	s : 70
Instructions to the candidates:  1) Neat diagrams must be drawn wherever necessary.	
2) Figures to the right side indicate full marks.	
2) I igures to the right and marks.	
Q1) a) What are the design constraints and challenges of WSN? Explain in b	rief. [ <b>6</b> ]
b) What are the challenges faced by 6 LOWPAN protocol and how	thev
can be overcome?	[ <b>6</b> ]
c) Explain the role of MAC protocol state and explain the design criteria	a for
MAC Protocols.	[8]
QR)	
Q2) a) Explain backward error control and forward error control with the	help
of neat diagrams.	[8]
b) Explain various properties of wireless links.	[6]
c) Compare Zigbee with Bluetooth protocol.	[6]
Q3) a) What are the challenges in localization?	[6]
b) Write a short note on Geographical clustering and random clustering	ţ.[ <b>6</b> ]
c) What is meant by full network broadcost?	[4]
OR ROBERT	
Q4) a) Explain directed diffusion in WSN.	[6]
(0.)	[6]
c) What are routing challenges in WSN?	[4]

a)	What is data aggregation in WSN? What are its advantages?	[10]
b)	Explain compressive sampling in detail.	
	OR	
a)	List various attacks that are possible in WSN. Explain any two of	them in
	detail.	[10]
b)	Explain security issues in WSN.	[8]
a)	What are general problems for deploying WSN applications?	[8]
b)	Write a short note on Early WSN deployments.	[8]
	OR SO	
a)	Explain top down design approach in design of WSN.	[8]
b)	What is tasting and validation in WSN application?	[8]
	Man	
	<ul><li>a)</li><li>b)</li><li>a)</li><li>b)</li></ul>	b) Explain compressive sampling in detail.  OR  a) List various attacks that are possible in WSN. Explain any two of detail. b) Explain security issues in WSN.  a) What are general problems for deploying WSN applications? b) Write a short note on Early WSN deployments.  OR  a) Explain top down design approach in design of WSN. b) What is tasting and validation in WSN application?

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