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Code No: 128AA	K15
JAWAHARLAL NEHRU TECHNOLOGICAL UNI	
B. Tech IV Year II Semester Examination ADHOC AND SENSOR NETWO (Common to CSE, IT) Time: 3 hours Note: This question paper contains two parts A and B.	Nay - 2019 ORKS Max. Marks: 75
Part A is compulsory which carries 25 marks. Answer consists of 5 Units. Answer any one full question from earnarks and may have a, b, c as sub questions.	ach unit. Each question carries 10
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1.a) What is Multipoint Relay? b) What are the features of Cluster Head Gateway Switch ro c) Explain how to classify the Multicast routing protocol. d) What are the drawbacks of flooding? e) What is the motivation behind the design of protocols for What are the applications of WSNs? g) Explain about the integrity in adhoc networks? h) What are the assumptions of secure routing protocols in William Discuss about ns 2 simulator. j) What is TOSSIM?	WSN? A [2] [3] [2] [3] [3] [2]
AGAGAGAGAGAGA	(50 Marks)
2.a) Explain how to create the mesh in ODMRP.b) Distinguish between topology based and Position based approximation	pproaches in adhoc networks. [5+5]
OR	[515]
3.a) What are the characteristics of MANETs? List out the major forwarding strategies in Position Based Packet Forwarding strategy.	routing. Explain the Greedy [5+5]
 4.a) Explain why traditional TCP cannot be used in wireless as b) Describe the Voronoi Diagram based Geocasting (VDG) por OR 	dhoc networks. protocol. [5+5]
5.a) Explain the header format of TCP. Explain the classification of broadcasting protocols in M method.	ANETs. Explain the Area based [5+5]
 6.a) Explain the functional block diagram of sensor node. b) Describe about the hierarchical Power Aware routing in WOR 	/SNs. [5+5]
7.a) What are the advantages of WSN over wired ones? Explain how to find the Multiple Paths in WSNs.) AG (5+5) A

8.a) Explain about the architecture of intrusion detection system for adhoc networks. b) Explain the problems that affect secure adhoc routing. [5+5] Explain about the Octopus protocol Explain about the key management in sensor networks. Explain about the characteristics of nesC. 10.a) What is importance of TinyGALS? [5+5] OR 11. Explain the architecture of TinyOS. -00O00---

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