Q. P. Code: 16296

[ Marks: 80]	
[Time: - 3 Hours]	
N.B.: (1) Question No. 1 is compulsory.  (2) Attempt any three of remaining five questions.  (3) Assume suitable data if necessary and clearly state it.	
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1. (a) What is hidden terminal problem?	5
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(c) List the types of attacks in ad rice (d) Differentiate proactive and reactive protocols.  (d) Differentiate proactive and reactive protocols.	10
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	10
3. (a) Explain operation of directional MAC (DMAC) protocol.  TCP faces when used in ad	10
(b) Explain major reasons have hoc networks?  4. (a) What do you mean by quality of service (QoS) Provisioning? Explain with example what do you mean by quality of service (QoS) Provisioning? Explain with example the provision in additional provision in the pro	10
QoS routing in ad life with the temporally ordered routing algorithm (TORA). Also months	10
advantages and disadvantages.	10
<ul><li>(a) What is hybrid routing protocol? Explain with example.</li><li>(b) Why secure routing protocols are needed? Explain security aware ad hoc routing protocol (SAR).</li></ul>	10
6. Write short notes on: (a) 802.11g IEEE standard. (b) On demand multicast routing protocol (ODMRP).	10