

Roll No.

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Total No. of Pages : 02

Total No. of Questions : 09

BMCI (2014 &amp; Onwards) (Sem.-6)

**MOBILE ADHOC NETWORKS**

Subject Code : BMCI - 603

Paper ID : [74317]

Time : 3 Hrs.

Max. Marks : 60

**INSTRUCTIONS TO CANDIDATES :**

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

**SECTION-A****Q1. Explain the following :**

- a) Electromagnetic Spectrum.
- b) UTMS.
- c) Ad-Hoc Wireless Internet.
- d) Radio wave Diffraction.
- e) IEEE 802.11g.
- f) WRP
- g) Session hijacking attack.
- h) Denial of Service.
- i) Smart battery standard (SBS).
- j) Battery management schemes.

### SECTION-B

- Q2. What are the different characteristics of the wireless channel?
- Q3. Explain classifications of MAC protocols for Ad Hoc Wireless Networks.
- Q4. Explain the concept of Ad Hoc On-Demand Distance-Vector Routing Protocol.
- Q5. How split TCP increase the performance of Ad- hoc wireless networks? Explain.
- Q6. What are the different Network security requirements in an Ad-hoc wireless network?

### SECTION-C

- Q7. Discuss the different IEEE- 802.11 networking standard for Wireless Communication Network.
- Q8. Explain design issues in routing protocols for Ad- hoc wireless networks in detail.
- Q9. What are the different QoS Parameters in Ad Hoc Wireless Networks?