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PRESIDENCY UNIVERSITY BENGALURU

Department of Research & Development

Mid - Term Examinations - AUGUST 2024

Odd Semester: Ph.D. Course Work

Course Code: CSE896

Course Name: Mobile Ad Hoc Network

Department: CSE

Date: 12/08/2024

Time: 02:00pm – 03:30pm

Max Marks:50

Weightage: 25%

Instructions:

- (i) Read the all questions carefully and answer accordingly.
 - (ii) Do not write any matter on the question paper other than roll number.
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PART A (THOUGHT PROVOKING)

Answer all the Questions. Each question carries 5marks.(4Qx 5M=20M)

1. List issues in Ad Hoc Wireless Networks. (CO1 Understand)
2. Illustrate contention based protocols in Ad Hoc Wireless Networks. (CO1 Understand)
3. Outline the issues in designing a routing protocol for ad hoc wireless networks (CO2 Understand)
4. Classify routing protocols for ad hoc wireless networks and present an outline of the same. (CO2 Understand)

PART B (PROBLEM SOLVING)

Answer all the Questions. Each question carries 10 marks. (3Qx 10M= 30M)

5. Present an ad hoc network design that can be used in a geographic location affected by cyclone. State the functional requirements you are considering. (CO1 Understand)
6. Design and Explain: Intelligent transport system using ad hoc network. The proposed system will inform the alternate route during road traffic, and it will provide necessary guideline during accident. Discuss suitable routing protocol for your intelligent transport system. (CO2 Understand)
7. Justify numerous protocols exist in Ad Hoc Network, in which is more suitable for Ad Hoc Network? Explain why? (CO2 Understand)