



**Advanced Computer Network
(New) (1250)**

P. Pages : 2

Time : Three Hours

Max. Marks : 100

Instructions to Candidates :

1. Do not write anything on question paper except Seat No.
2. Answer sheet should be written with blue ink only. Graph or diagram should be drawn with the same pen being used for writing paper or black HB pencil.
3. Students should note, no supplement will be provided.
4. Attempt **any two** questions from each unit.
5. Draw the neat and labelled diagram whenever necessary.
6. Figures to right indicate full marks.

UNIT - I

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|----|--|----|
| 1. | Discuss mobility support in 802.11. | 10 |
| 2. | Explain MAC Access modes and interframe spacing. | 10 |
| 3. | Explain RTS and CTS frame in detail. | 10 |

UNIT - II

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| 4. | What is canning ? List the several parameters used in scanning procedure. Explain passive scanning and active scanning. | 10 |
| 5. | Explain CF - End and CF - End + CF - Ack frame details. | 10 |
| 6. | Explain the following terms. | 10 |
| | a) Multipath Interference. | |
| | b) RF components. | |

UNIT - III

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| 7. | Explain 2 level GFSK and 4 level GFSK in detail. | 10 |
| 8. | Explain direct sequence transmission. | 10 |
| 9. | Explain OFDM PLCP framing in detail. | 10 |

UNIT - IV

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| 10. | Discuss problems with WEP. | 10 |
| 11. | Explain TKIP data transmission and reception. | 10 |
| 12. | Explain 802.1x architecture and nomenclature. | 10 |

UNIT - V

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| 13. | Draw and explain sensor network architecture. | 10 |
| 14. | Explain location discovery in brief. | 10 |
| 15. | List the major issues in Ad HOC wireless networks and explain in detail security and energy management issue. | 10 |
