



'সমানো মন্ত্র: সমিতি: সমানী'

UNIVERSITY OF NORTH BENGAL
BCA Honours 6th Semester Examination, 2022

CC13-BACHELOR OF COMPUTER APPLICATION (61)

MOBILE COMPUTING

Time Allotted: 2 Hours

Full Marks: 40

*The figures in the margin indicate full marks.
All symbols are of usual significance.*

GROUP-A

Answer any five questions

1×5 = 5

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|----|---------------------------------|---|
| 1. | Expand GSM. | 1 |
| 2. | Name one protocol used in MC. | 1 |
| 3. | Expand SDMA. | 1 |
| 4. | What is mobile TCP? | 1 |
| 5. | What is snooping? | 1 |
| 6. | What is hoarding? | 1 |
| 7. | What is selective tuning? | 1 |
| 8. | What is context free computing? | 1 |

GROUP-B

Answer any three questions

5×3 = 15

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| 9. | Explain different limitations of mobile computing. | 5 |
| 10. | Explain different functions of MAC layer. | 5 |
| 11. | Explain different techniques used in MAC management. | 5 |
| 12. | Explain different entities in a mobile IP. | 5 |
| 13. | Explain the two basic reasons for a handover in GSM. | 5 |

GROUP-C

Answer any *two* questions

10×2 = 20

14. Explain the operation of mobile TCP. Compare and contrast traditional and mobile TCP. 7+3 = 10
15. Explain mobile operating systems. (any one) 10
16. Explain the operation of DHCP with the help of a state chart. 10
17. Write short notes on the following: 5×2 = 10
- (i) Transaction oriented TCP
 - (ii) Tunneling and Encapsulation.

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