Name GCOLLEGA Reg. No.

EIGHTH SEMESTER B.TECH. (ENGINEERING) [2014 SCHEME] DEGREE EXAMINATION, APRIL 2018

Electronics and Communication Engineering EC 14 804 D—MOBILE COMPUTING

Time: Three Hours

Maximum: 100 Marks

Part A

Answer any eight questions only.

- 1. Explain the TDMA frame structure used in DECT.
- 2. Explain about the inclination angle and elevation angle of satellite.
- 3. State and explain the four different types of orbits.
- 4. What type of Direct sequence spread spectrum is used in 802.11?
- 5. Draw and explain the format of a Bluetooth packet leader.
- 6. How client intialization via DHCP is done?
- 7. Explain about least interference routing.
- 8. Bring about the features of wireless transport layer security.
- 9. Name the standard libraries specified by WAP forum and give the function of it.
- 10. Explain the features of WML.

 $(8 \times 5 = 40 \text{ marks})$

Part B

11. Discuss the system architecture of GSM.

Or

- 12. Describe in detail about Digital audio broadcasting and GPRS transmission plane protocol reference model.
- 13. Discuss the IEEE 802.11 services.

Or

14. Explain about medium access control sublayer of HIPERLAN.

Turn over

15. Write a brief note on requirements of Mobile IP and Registration.

Or

- 16. With an example show how DSDV and DSR works.
- 17. With suitable block diagram explain the architecture of WAP.

Or

18. Write a note on WML script and WTP.

moderate hour

 $(4 \times 15 = 60 \text{ marks})$

Appear any eight cucations care

ATTALL

- TOEQ at been employed ement AMHT of the IQAR
- Parties to store militare's han their occupants of selection english of selection
 - egylecky series in contribution of with intelligent on starts.
 - t ff.308 il briga mandoni benga Shakka basa ka sa dalam d
 - capped sadous diseased a la kinkel of the low bust to the
 - 5. How oben arthrastion yas DHCP is done?
 - Table of the seasons are experience of their
 - tring stone inappoint and with a set their old bares artiff. A
- R. Water the stored and intractes spanified to WAP forths and give the Amelica Wit
 - 10. Napieconi je featover of Vivis

exham (# = 8 x 8)

Part R

- MPD to companie the mestors of the confidence
- Ab. Describe a describabling figures and to be extensively and CPRP in an amount plans produced automores.
 - A. Chartes the IEEE 800. At services

MATERIAL TO fee along the transport of the state of the s

eva mu'T