Total No. of Questions : **16**]　　　　　　　[Total No. of Printed Pages : **2**

SEMC–418

M.Sc. (IVth Semester) Examination, 2022
CYBER SECURITY

Paper – MCSEC–402

(Mobile and Wireless Security)

Time : 1½ Hours]　　　　　　　　　　[*Maximum Marks : **40***

The Question paper contains three Sections.

　　　　　　　　　　　　Section–A　　　　**(Marks : 1 × 10 = 10)**

Note :– 　Answer all *ten* questions (Answer limit **50** words). Each question carries **1** mark.

　　　　　　　　　　　　Section–B　　　　**(Marks : 3 × 5 = 15)**

Note :– 　Answer any *five* questions. (Answer limit **200** words). Each question carries **3** marks.

　　　　　　　　　　　　Section–C　　　　**(Marks : 5 × 3 = 15)**

Note :– 　Answer any *three* questions. (Answer limit **500** words). Each question carries **5** marks.

Section–A

1.　(i)　　What is RFID ?

　　(ii)　　What is IEEE standards ?

　　(iii)　　Describe 3G wireless network.

(iv)   Explain WPA.

(v)   What is UMTS ?

(vi)   What is vulnerability in cyber security ?

(vii)   What is routing protocol ?

(viii) What do you mean by mobility ?

(ix)   Explain bluetooth eavesdropping.

(x)   Describe GSM network.

Section–B

2. What are the possibilities offered by mobile computing ?

3. How trust negociation works ?

4. What is BIAS and also describe BLESA attacks ?

5. How vulnerability differ from security ?

6. How many types of vulnerability in cyber security ?

7. What are the important components of mobile architecture ?

8. Differentiate between VOIP & MVOIP, SIP & RTP.

9. Describe reference model of zigbee network.

10. In what way routing protocol classified ?

Section–C

11. Describe in detail hidden terminal problems with RTS and CTS Data ACK Scheme.

12. What do you mean by zigbee attack ? How can it provide security standards ?

13. What is Secure repository ? How many repositories are there in trust negociation ?

14. What are the security provision for trust negociation ?

15. What is Network Security ? Describe basic requirement of network security.

16. Differenciate GSM and UMTS Network & Security.