BC–387

B.C.A. (Part-III) Examination, 2022
CYBER SECURITY

Paper – BCA-305 (A)

Time : 3 Hours] [*Maximum Marks : 70*

Section–A **(Marks : 2 × 10 = 20)**

Note :– Answer all *ten* questions (Answer limit **50** words). Each question carries **2** marks.

Section–B **(Marks : 4 × 5 = 20)**

Note :– Answer all *five* questions. Each question has internal choice (Answer limit **200** words). Each question carries **4** marks.
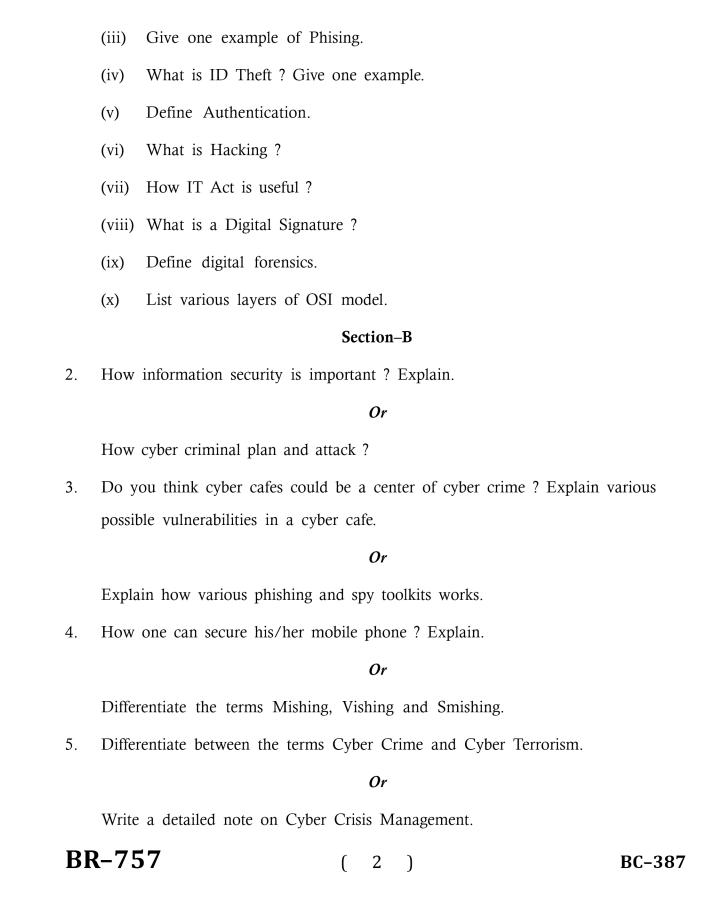
Section–C **(Marks : 10 × 3 = 30)**

Note :– Answer any *three* questions out of five (Answer limit **500** words). Each question carries **10** marks.

Section–A

1. (i) Define the term cyber.

   (ii) What do you understand by the term Cloud ?

(iii) Give one example of Phising.

(iv) What is ID Theft ? Give one example.

(v) Define Authentication.

(vi) What is Hacking ?

(vii) How IT Act is useful ?

(viii) What is a Digital Signature ?

(ix) Define digital forensics.

(x) List various layers of OSI model.

Section–B

2. How information security is important ? Explain.

Or

How cyber criminal plan and attack ?

3. Do you think cyber cafes could be a center of cyber crime ? Explain various possible vulnerabilities in a cyber cafe.

Or

Explain how various phishing and spy toolkits works.

4. How one can secure his/her mobile phone ? Explain.

Or

Differentiate the terms Mishing, Vishing and Smishing.

5. Differentiate between the terms Cyber Crime and Cyber Terrorism.

Or

Write a detailed note on Cyber Crisis Management.

6. What is Steganography ? Explain in detail.

Or

Write notes on the following :

(i) Computer forensics

(ii) Anti-forensics

Section–C

7. Explain various types of cyber attacks with one suitable example.

8. Explain the following :

(i) DOS attacks

(ii) SQL injection

9. What are the security challenges posed by attacks on Wireless Networks ? Explain with suitable example.

10. Write a detailed note on IT Act, 2000.

11. What is Digital Forensics ? Explain life-cycle of Digital Forensics.