D 51282   (Pages : 2)   Name...

Reg. No.....................................

THIRD SEMESTER M.Sc. DEGREE (REGULAR/SUPPLEMENTARY) EXAMINATION, NOVEMBER 2023

(CBCSS)

Forensic Science

FSC 3C 13—DIGITAL AND CYBER FORENSICS

(2020 Admission onwards)

Time : Three Hours   Maximum : 30 Weightage

I. Answer any *four* of the following. Short Answer Type Questions. Weightage 2 :

    1 Write a brief on the types of memory.

    2 What is hashing of digital files ?

    3 Give the Routing Protocols.

    4 What are Cookies ?

    5 What is a Smart Phone ?

    6 Give a brief on Booting.

    7 What are the components of a Digital Crime Scene ?

$(4 \times 2 = 8$ weightage)

II. Answer any *four* of the following. Short Essay Type Questions. Weightage 3 :

    8 Describe the types of file systems.

    9 Give the meaning of Digital Forensics.

    10 Write a brief on DOS Attack.

    11 List out the components of an operating System.

    12 Give the importance of Session Data.

    13 Give three differences between Android and IOS in Mobile Phone Operating Systems.

    14 How is evidence collected from a remote system ?

$(4 \times 3 = 12$ weightage)

Turn over

III. Answer any *two* of the following. Long Essay Type Questions. Weightage 5 :

    15   Describe the Block Diagram of a generic computer system.

    16   Elucidate on the principles of Digital Forensics.

    17   How is network activities monitored ? Add a note on searching of evidence from networks.

    18   What is the protocol for analyzing evidence in a mobile phone ?

$(2 \times 5 = 10$ weightage)