

NATIONAL FORENSIC SCIENCES UNIVERSITY**M.Sc. Cyber Security - Semester - I**
TA-I Examination**Subject Code: CTMSCS SI P1****Date: 26/09/2022****Subject Name: Essentials of Cyber Security and Cyber Warfare****Time: 11.30AM to 12.15 PM****Total Marks: 25****Write any five questions****Marks**

- | | |
|--|---|
| (a) Explain common security threats and risk | 5 |
| (b) Describe any 5 windows commands which are useful for security purpose | 5 |
| (c) Explain CIA triad with example. | 5 |
| (d) Explain cyber security essentials and its domains. | 5 |
| (e) Explain any 5 network firewall functions with example. | 5 |
| (f) Explain PPT in terms of cyber security. | 5 |
| (g) Explain any two system utilities. | 5 |

National Forensic Sciences University
School of Cyber Security and Digital Forensics
M.Sc. Cyber Security / M.Sc. Digital Forensics and Information Security

Subject Code: CTMSCS/CTMSDFIS SII P2
Subject Name: Cyber Security Audit and Compliance
Exam: TA-I

Date: 12-10-2022

Time: _____

Q1. Illustrate the requirement and importance of cyber security audit in an organization? [7 Marks]

~~Q2.~~ You are working as an auditor and your client does not have IT Security policy. Explain the risk and importance of this control to your client. [7 Marks]

~~Q3.~~ What do you mean by compliance? How an organization can get compliance? [5 Marks]

OR

Q3. What is a risk based approach? Explain with technical example. [5 Marks]

~~Q4.~~ Explain various types of assessment methods. [3 Marks]

~~Q5.~~ What is ISO 27001 Organization of Information Security? [3 Marks]

Q1 Answer the following questions (Any Three)

[18 Marks]

1. Describe Five characteristics of Python language? Discuss Difference Between List and Array
2. Identify five data quality issues in the sample dataset shown in the following Table. Suggest, how do you resolve these quality issues ?

| TXN-ID | NAME | AGE | HEIGHT | WEIGHT | BLOOD GROUP | COVID-19 RESULT |
|--------|-----------|-----|--------|--------|-------------|-----------------|
| T001 | RAMA | 45 | 145 | 62kg | O+ve | Positive |
| T002 | SEETHA | 43 | 168 | 45kg | B+ve | Negative |
| T003 | Akbar | 38 | 172 | 60kg | Iam+ve | Positive |
| T004 | BIRBAL | 45 | 168 | 52kg | AB+ve | Negative |
| T005 | THenali | 22 | 157 | 78kg | B-ve | 1 2 |
| T006 | Venkat | 36 | 157 | 54kg | O-ve | Negative |
| T007 | Rajuu | 350 | 132 | 48kg | O-ve | Positive |
| T008 | HARI | 32 | 180 | 120lbs | AB-ve | Negative |
| T009 | Inba | 25 | | 85kg | O+ve | 0 |
| T010 | SysUse789 | 20 | 165 | 68kg | O-ve | Negative |
| T011 | Venkat | 36 | 157 | 54kg | O-ve | Negative |

3. Clearly bring out the difference between ML and DL along with the examples.
4. Discuss the following python Libraries and list out Three functions/methods from each of the library
I. Matplotlib II. numPy III. Pandas

Q2 Answer the following questions

[7 Marks]

Define Linear Equation. Solve following Linear Equation using Inverse method

$$Y = X + 2$$

$$Y = -2X + 8$$

$$-12 = -6 + 2$$

$$x = 7 - 2$$

$$x + 2 = -2x + 8$$

$$3x = 6$$
$$x = 2$$
$$y = 4$$

Seat No.: _____

Enrolment No. _____

NATIONAL FORENSIC SCIENCES UNIVERSITY

M.Sc. Cyber Security - Semester - I

TA-I Examination

Subject Code: CTMSCS SI P4

Subject Name: Web Application Security

Time: 2.30AM to 15.15 PM

Date: 27/09/2022

Total Marks: 25

Marks

Section -A (Any Three)

- | | | |
|-----|---|---|
| (a) | Define terms: - -Vulnerability -Threat -Attack -Shellcode | 5 |
| (b) | What is Information Gathering? And its type? | 5 |
| (c) | Explain Google dork with example and prevention against sensitive data leak with google dork. | 5 |
| (d) | Explain AAA. | 5 |

Section -B

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|-----|---|----|
| (e) | What is VAPT and Importance of vulnerability assessments. | 10 |
|-----|---|----|