

IM.Sc. CSF (NEP) Sem.-1 Examination

DSC-M-ICSF-113T

EA - Fundamentals of Computer Programming

February-2025

[Max. Marks : 25]

Time : 1-00 Hour]

Question 1 Answer the following questions:

- i. Differentiate between int, float, and char data types with examples. 5Marks
- ii. Explain the general structure of a C program with an example. 5Marks

OR

- i. What are header files in C? List any three standard header files and their functions. 5Marks
- ii. Write a program to accept two numbers from the user, calculate their sum, and display the result using printf() and scanf(). 5Marks

Question 2 Answer the following questions:

- i. What are parameters (Arguments) in C functions? Differentiate between actual and formal parameters with examples. 5Marks
- ii. Write a C program that uses continue to print only even numbers from 1 to 50. 5Marks

OR

- i. Explain User Define Function with an example. 5Marks
- ii. Explain the difference between while, do-while, and for loops with examples. 5Marks

Questions 3: Attempt any Five out of Six.**05 Marks**

1. Which header file is used for input/output operations?
2. Which header file is needed for mathematical functions?
3. What is the keyword for declaring an integer?
4. Which data type is used for single characters?
5. What type of operator is +?
6. What is the name of the && operator?

(P.T.O)

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Candidate's Seat No : _____

IM.Sc. CSF (NEP) Sem.-1 Examination

DSC-M-ICSF-113T

EB - Cyber Security Trends

February-2025

Time : 1-00 Hour]

[Max. Marks : 25

Question 1 Answer the following questions:

- i. Describe the different classifications of cybercrimes, highlighting examples of each category. 5Marks
- ii. Explain five key measures individuals and organizations can take to prevent cybercrimes 5Marks

OR

- i. Explain different Types of Malwares. 5Marks
- ii. Define cyber terrorism and explain its potential impact on critical infrastructure. How can governments and organizations address this threat? 5Marks

Question 2 Answer the following questions:

- i. Define a firewall and explain how it helps in securing a network from cyber threats. 5Marks
- ii. Discuss three current trends in cybersecurity and their implications for individuals and organizations. 5Marks

OR

- i. What is authentication in cybersecurity? Describe the different types of authentication methods. 5Marks
- ii. What is cyberbullying, and how can organizations and individuals take steps to prevent it? Discuss its impact on society. 5Marks

Questions 3: Attempt any Five out of Six.

05 Marks

1. Give one example of a cybersecurity law.
2. Define cyber terrorism in one sentence.
3. Name one law designed to combat cyberbullying.
4. What is cyberbullying?
5. Mention one recent trend in cybersecurity technologies.
6. What is computer hacking?

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