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MIR-011

**POST GRADUATE CERTIFICATE IN
CYBER LAW (PGCCL)**

Term-End Examination

December, 2024

**MIR-011 : CYBERSPACE TECHNOLOGY AND
SOCIAL ISSUES**

Time : 3 Hours

Maximum Marks : 100

Note : *This paper is divided into three Parts—
Part A, Part B and Part C. All parts are
compulsory.*

Part—A

Note : *Answer any **four** of the following questions
in about **150** words each. Each question
carries 5 marks.*

4×5=20

1. Local Area Network
2. ARPANET
3. Secure socket layer
4. Hash functions
5. Pseudorandom Numbers

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Part—B

Note : Answer any **five** of the following questions in about **300** words each. Each question carries 10 marks. 5×10=50

6. Discuss the evolution and development of computers through various generations. Which generation of computer is used in present days ?
7. What is software ? Discuss its types.
8. What functions are served by digital identity ? Why is it viewed as a valuable commodity ?
9. What is the purpose of security policy ? Suggest some characteristics required for good security policy.
10. Discuss some advantages of key management through public key technique. What are the differences between public key and symmetric key ?
11. Recent trends show government inclination towards promotion of e-Governance. What is the rationale behind this ? Also discuss the components of e-Governance.

12. What was the first open source software ? How was it different from proprietary software ?

Part—C

Note : Answer any **two** of the following questions in about **500** words each. Each question carries 15 marks. 2×15=30

13. How is ICT connected with economic growth of a country ? Discuss.
14. Government may impose reasonable restriction on freedom of speech, thought and expression. Discuss with the help of case laws.
15. Write short notes on the following :
- (a) Intranet VPNs
 - (b) Remote access VPNs
 - (c) Extranet VPNs
16. Knowledge gap hypothesis suggests that new medium of information increases the gap between informed class and uninformed class. Discuss.

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