

**IMSc. IT (SD-WM) (NEP)/(Rep) Sem.-2 Examination****IDC-SMD-124T-B / IDC-ANP-124T-B****Computing as a Career****Time : 1-00 Hour]****May-2025****[Max. Marks : 25****Instructions:**

- **Figures to the right indicate Full Marks.**
- **Do not write anything on the question paper.**

**Q.1 Short Question Attempt Any Two Question (Each Question 5 Marks)  
(10)**

1. What is the difference between IPv4 and IPv6? Explain with examples.
2. Explain the basic structure of the TCP/IP stack.

**OR**

1. Define DNS. How does it work, and what are the advantages of DNS?
2. Explain the difference between Application Software and System Software. Provide suitable examples for each.

**Q.2 Short Question Attempt Any Two Question (Each Question 5 Marks)  
(10)**

1. Define 'Service' and explain the life cycle of a service.
2. What is cloud computing? Briefly describe the four types of cloud.

**OR**

1. Explain Difference Between IaaS, PaaS and SaaS.
2. What is software testing? Explain its importance in ensuring software quality assurance.

**Q.3 Short Question****(5)**

1. What is the role of a data centre in IT infrastructure?
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