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## Question Paper Code: 30126

B.E./B.Tech. DEGREE EXAMINATIONS, APRIL/MAY 2023.

Fourth Semester

Artificial Intelligence and Data Science

## CS 3591 - COMPUTER NETWORKS

(Regulations 2021)

Time: Three hours

Maximum: 100 marks

Answer ALL questions.

PART A —  $(10 \times 2 = 20 \text{ marks})$ 

- 1. Define Computer Network.
- 2. What is POP3?
- 3. Write about Hamming code.
- 4. Define Quality of Service (QoS)
- 5. Difference between CSMA Collision detection and Collision Avoidance.
- 6. Define tunneling.
- 7. Write any two differences between Connection Oriented and Connectionless service.
- 8. List the Multicast Routing Protocols.
- 9. Define Circuit Switching.
- 10. Define CSMA/CD.

PART B — 
$$(5 \times 13 = 65 \text{ marks})$$

11. (a) Explain how are OSI and ISO related to each other? Discuss about Internet standards. (13)

Or

(b) Write in detail about the SMTP protocol and FTP protocol.

(13)

