

**B.C.A Semester - 3 (CBCS) Examination****Oct/Nov - 2025 [New Course]****Network Technology & Administration with SEO(Core)****Time: 2:30 Hours****Marks:70****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate marks.

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- Que.1 (A) Answer the following questions. (03)
- 1) What is Network?
  - 2) Full form of CSMA/CD.
  - 3) Full form of CDDI.
- Que.1 (B) Answer the following question. (Any Two) (06)
- 1) Explain Network services.
  - 2) Explain Communication methods.
  - 3) Explain TCP/IP Model.
  - 4) Explain Network Access methods.
- Que.1 (C) Answer the following question. (Any One) (05)
- 1) Explain OSI Reference Model.
  - 2) Explain Transmission Media in details.
- Que.2 (A) Answer the following questions. (03)
- 1) Full form of TCP.
  - 2) Full form of DHCP.
  - 3) Full form of UDP.
- Que.2 (B) Answer the following question. (Any Two) (06)
- 1) Explain types of Protocol.
  - 2) Explain TCP and UDP Protocol.
  - 3) Difference between Static and Dynamic Routing
  - 4) Explain IPv6.
- Que.2 (C) Answer the following question. (Any One) (05)
- 1) Explain IP address in details.
  - 2) Explain Subnetting and supernetting in details.
- Que.3 (A) Answer the following questions. (03)
- 1) Full form of CIA.
  - 2) Full form of VPN.
  - 3) Full form of GPS.

- Que.3 (B) Answer the following question. (Any Two) (06)
- 1) Explain CIA Model.
  - 2) Explain Proxy Server? Explain types of Proxy Server.
  - 3) What is VPN? Explain types of VPN.
  - 4) What is firewall? Explain types of firewall.
- Que.3 (C) Answer the following question. (Any One) (05)
- 1) Explain Security methods in details.
  - 2) Explain Dial-up connection and ISDN in details.
- Que.4 (A) Answer the following questions. (03)
- 1) Full form of SEO.
  - 2) Full form of CTR.
  - 3) Full form of SWOT.
- Que.4 (B) Answer the following question. (Any Two) (06)
- 1) Explain Crawling, Indexing and Ranking.
  - 2) Explain types of queries.
  - 3) Difference Organic and Paid search.
  - 4) SWOT
- Que.4 (C) Answer the following question. (Any One) (05)
- 1) Explain Search Engine Result Page in details.
  - 2) Explain Major elements of planning.
- Que.5 (A) Answer the following questions. (03)
- 1) Full form of TLD.
  - 2) Limit length of Title tag is \_\_\_\_\_ characters.
  - 3) Full form of XML.
- Que.5 (B) Answer the following question. (Any Two) (06)
- 1) Difference between Long tail and short tail keywords.
  - 2) How Search Engines identify duplicate contents?
  - 3) Explain Robots.txt file.
  - 4) Explain XML Sitemap.
- Que.5 (C) Answer the following question. (Any One) (05)
- 1) Explain Root domains, subdomains and microsites.
  - 2) Explain Keyword Targeting in details.

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