**Khyber Pakhtunkhwa Board of Technical & Commerce Education Peshawar**

**Diploma in Information Technology**

**(Part -I)**

**1st Term Examination 2022**

**Paper: Computer Networking**

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**Time allowed: 3 hours**                                                                 **Max marks: 50**

**Note:** **Attempt any five questions. All questions carry equal marks. Mobile phone & programmable calculators are not allowed.**

Q.1: Define Network with its types?

Q.2:-  a) Define media?

  b) Define coaxial cable with its types?

Q.3:-  a) Define the purpose of followings.

  i. BNC  ii. RJ

  b) Define Fiber-optic cable?

Q.4: Write note on OSI model?

Q.5:-  a) Define Ipv 6?

  b) What does Subnet mean?

Q.6:-  a) Define Server-base network?

  b) Define Topology? Define star and Ring topology?

  c) Define start and Ring topology

Q.7:-  a) Define Protocol?

  b) Differentiate between routed and routing protocols?

Q.8:- Define Followings.

  a) MAC Address  b) Bridge  c) Passive Hub

  d) Baud Rate  e) Modem