

2024
(Session : 2022-25)

Time : 3 hours

Full Marks : 60

*Candidates are required to give their answers in
their own words as far as practicable.*

The figures in the margin indicate full marks.

Answer from both the Groups as directed.

Group – A

(Compulsory)

1. Fill in the blanks : $1 \times 10 = 10$

(a) The term HTTP stands for _____

(b) The numbers of layers in OSI Model is

_____.

(c) The main purpose of Datalink layer is

_____.

(d) TCP / IP stands for _____.

- (e) LAN is a _____ type of medium.
- (f) An example of guided medium is _____.
- (g) CRC stands for _____.
- (h) Data encryption is handled in which layer of OSI Model _____.
- (i) An example of switching method is _____.
- (j) ARQ stands for _____.
2. What is Computer Network ? Explain the advantage of Computer Network. 5

Group – B

Answer any three questions of the following :

$$15 \times 3 = 45$$

3. What is TCP / IP Model ? Explain the different layers of TCP / IP model.
4. What are the Data Transmission Models in a network ? Explain with example.
5. What do you understand by Error-control in network ? Discuss the different types of error-control methods in Computer Network.

6. What is Communication System ? Explain the analog and Digital Communication.

7. Write short notes on any three of the following :

(a) Coaxial Cables

(b) Network Topology

(c) Guided Medium

(d) ARQ

(e) Circuit Switching

pt c hypertension is taking a diuretic medication
which of the following instruction should be
included in the pt education.

→ take the medication & food to reduce stomach
upset → Monitor BP daily & report any
change to the healthcare provider
→ no potassium rich food in the diet to
prevent hypokalemia

→ which of the following lifestyle modifications
is recommended for hypertension pt.

→ reduce Na intake to 1g gram/day
→ reduce Ca intake to 3-4 cups/day.
→ no cigarette
→ engage in moderate intensity exercise for
30 minutes / day.