

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 : 1×10 = 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 mediam.
- (f) An example of guided mediam 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. with hypertension is taking a diuretic medication which of the following instruction should be included in the pt. education.

- take the medication on food to reduce stomach upset
- Monitor BP daily & report any change to the healthcare provider
- use potassium rich food in the diet to prevent hypokalemia
- which of the following lifestyle modification is recommended for hypertensive pt.
- Reduce Na intake to 2g gram/day
- use caffeine intake to 3-4 cups/day
- Engage in moderate intensity exercise for 30 minutes/day

MP - 17/2 (600)

(3) UESE(III) — IT (CC-7)