

Roll No.

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Total No. of Pages : 02

Total No. of Questions : 09

B.Tech. (CSE/IT) (Sem.-7)

ROUTING & SWITCHING

Subject Code : BTEC-905A-18

M.Code : 90691

Date of Examination : 10-01-2023

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

SECTION-A

1. Write briefly :

- (a) What are Ethernet frame types?
- (b) How an IP address is represented?
- (c) What are the considerations when expanding network?
- (d) Write the limitations of using circuit switching network for data communication.
- (e) What is OSPF?
- (f) What are IPv6 application services?
- (g) Difference between GARP and GVRP.
- (h) What is frame relay and its basic features?
- (i) How can we secure data with IPsec?
- (j) What is ADSL internet services?

SECTION-B

2. List the features of Java Programming Language.
3. Explain the need of Wrapper classes in Java.
4. Why multiple inheritance is not part of java and how we can achieve multiple inheritance java?
5. Discuss the concept of Exception Handling in detail.
6. Discuss various Stream Classes present in Java to manage I/O.

SECTION-C

7. Write steps how we can create and use Package in Java.
8. Explain CORBA. Java Beans, RM1,
9. What is Java IDL? Explain in detail.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.