

GLS UNIVERSITY
SUMMER EXAM 2021

Course Name: iMSc(IT) Programme
Subject Name: Network Programming
Total Marks: 50

Semester: VIII
Subject Code: 161601805

Instructions:

- 1. Attempt all questions.**
- 2. Make suitable assumptions wherever necessary.**
- 3. Figures to the right indicate full marks.**

Q.1 Write a java socket program for communication between Michael and Bob. Also perform the below operations:

- Michael sends a binary string to Bob.
- Bob counts the number of 1's, adds 0 wherever five consecutive 1's are encountered and sends it back to Michael.
- Thereafter Bob sends a decimal number to Michael.
- Michael converts the decimal number into Octal and sends the result back to Bob. (Note: Do not use default java function)