

BRAC UNIVERSITY
Department of Computer Science and Engineering

Examination: Quiz 03A
Duration: 20 min

Semester: Spring 2024
Full Marks: 15

CSE 320: Data Communications

Name:	ID:	Section:
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Answer the following questions on the question paper

Question 01: CO3 [15 Points]

Six channels, two with a bit rate of 450 kbps and two with a bit rate of 150 kbps and two with a bit rate of 300 kbps, are to be multiplexed using multiple-slot TDM with no synchronization bits. Answer the following questions:

- a) How this can be achieved?
- b) What is the size of a frame in bits?
- c) What is the frame rate?
- d) What is the duration of a frame?
- e) What is the data rate?

Question 02: CO3 [5 Points]

Spectrum spreading goals are privacy and antijamming, how can you achieve them by DSSS. Explain briefly.