

# UNIVERSITY OF CALCUTTA

## FAKIR CHAND COLLEGE

### COMPUTER SCIENCE

#### B.Sc SEM-IV (Honours) Examination-2020

Paper: CC-8

Full Marks: 50 (10+25+15)

Time: 2hr

#### Internal Assessment

Answer **any two** questions from the rest

5X2=10

1. Write down the properties of Physical layer of OSI model.
2. What is Multiplexing? What is the need of it?
3. What is the features of fiber optics cable?

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### Theory

Answer any **five** questions from the remaining.

5X5=25

1. Explain about different data communication procedure with example. 5
2. Explain about the features, advantages and disadvantages of Mesh and Star topology. 2.5+2.5
3. Write down the properties of Datalink layer and Transport layer of OSI model. 2.5+2.5
4. What is the differences between Bit rate and Baud rate? What is Nyquist theorem? 2+3
5. Explain about the procedure of FSK and PSK. 2.5+2.5
6. What is the differences between FDM and TDM procedures? What are the advantages to use  
Fiber optics cable? 3+2
7. What are the differences between OSI and TCP/IP reference model 5

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#### **Practical**

Answer the following questions: -

3X5=15

1. How to create a Hyperlink in HTML ?
2. How to insert an image in HTML page ?
3. What is the difference between GET and POST method ?