



THE OPEN UNIVERSITY OF SRI LANKA
B.SC DEGREE PROGRAMME – LEVEL 05
DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE
NO BOOK TEST I - 2015/2016
CPU3152: DATA COMMUNICATION

DURATION: ONE HOUR ONLY (1 HOUR)

Date : 04.10.2016

Time: 04.15pm – 05.15pm

Answer ALL Questions. All sub questions carry equal marks.

Q1.

I. What is the **importance of studying** data communications.

.....

.....

.....

.....

.....

.....

.....

.....

II. What is a **protocol** and state key **features** of a protocol ?

.....

.....

.....

.....

.....

.....

.....

.....

III. Give **three** practical examples of long distance communication ?

.....

.....

.....

.....

.....

.....

.....

.....

IV. Draw **FSK encoding** scheme for bits **10101010**?

.....

V. What are the similarities between **PSK** and **ASK** ?

.....

.....

.....

Q2.

I. Identify the **seven** layers of **ISO/OSI** model ?

.....

.....

.....

.....

.....

.....

.....

.....

II. What is the **main** function of the **Networks** layer ?

.....

.....

.....

III. State the **ASK** in sinusoidal notation.

.....

.....

.....

.....

.....

IV. Provide **two** protocol examples each for **Application/Network** layers of **ISO/OSI** model ?

.....

.....

.....

.....

.....

All Rights Reserved