

Department of Computer Science & Engineering

University of Barisal

Course Code: CSE-1101

Course Title: Introduction to Computer Systems

2nd Mid Examination 2017

Time: 1 hour

Marks: 20

Answer all the questions

1.
 - a. What do you mean by CPU cycle? What are the main operations in the CPU cycle? Explain with necessary diagram.
 - b. Is ROM a non-volatile memory? What are the differences between RAM and ROM?
2.
 - a. Explain the basic functioning of mechanical and optical mouse.
 - b. What are the basic components of the OCR devices? Explain each component.
 - c. Describe the major steps that you need to follow for solving a problem.
3. Write short note on the following topics (Any four):
(i) SSD (ii) PCB (iii) Open Source Software (iv) MICR (v) Trackball (vi) Touch screen

GOOD LUCK!!!