

BOWEN UNIVERSITY IWO, OSUN STATE
COLLEGE OF COMPUTING AND COMMUNICATION STUDIES
INFORMATION TECHNOLOGY PROGRAMME
B. SC. DEGREE SECOND SEMESTER EXAMINATION SESSION: 2022/2023
COURSE TITLE: INTRODUCTION TO SOFTWARE ENGINEERING
COURSE CODE: IFT 202 TIME ALLOWED: 2 HOURS COURSE CREDIT: 2 UNITS
INSTRUCTION: Answer any three (3) questions

Question 1

- a. What are the two contributive factors to software project failure? Explain each briefly (15 marks)
- b. What are the fundamental software process activities (10 marks)

Question 2

- a. Differentiate between Software Engineering and System Engineering (5 marks)
- b. What are the four (4) Essential attributes of good software (20 marks)

Question 3

- a. Explain the concept behind Plan-driven development and Agile development (10 marks)
- b. Give a description of the principles guiding Agile Methods (15 marks)

Question 4

- a. Give a detailed explanation of Scrum (10 marks)
- b. Briefly explain the following concept
 - i. Scrum
 - ii. Scrum Master
 - iii. Sprint
 - iv. Product owner (15 marks)

Question 5

- a. With the aid of a diagram, describe the scrum sprint cycle (20 marks)
- b. List five (5) of the benefits associated with Scrum (5 marks)