

UNIVERSITY OF JOS
FACULTY OF EDUCATION

DEPARTMENT OF SOCIAL SCIENCE EDUCATION

FIRST SEMESTER EXAMINATION 2018/2019 ACADEMIC SESSION

COURSE TITLE: INTRODUCTION TO OPERATING SYSTEMS.

COURSE CODE: LIS 205

CREDIT UNIT: 3

TIME ALLOWED: 3 HOURS

INSTRUCTIONS: ANSWER QUESTION ONE (1) AND ANY OTHER THREE (3) QUESTIONS.

1. Briefly explain five(5) functions of an Operating system.
- 2(a). Discuss the mode of operations of a programmable clock.
(b) Draw the logical positioning of device drivers
- 3 With the aid of diagrams, discuss error handling as it relates to manufacturing defects in In a disk.
- 4(a) Identify four (4) real-life situations that can be referred to as deadlock.
(b) Identify five (5) computer-related situations that can be referred to as deadlock.
(c) List and explain three (3) ways to recover from a deadlock.
- 5(a) I have been using my Laser Jet Printer to print documents from my Computer for more than 2two (2) years now. After changing my Operating systems from Windows to Linux, the printer could no longer print documents from my computer. Advice me on what to do in order to solve the problem. Give reason (s) for your advice.
(b) Draw and label a programmable clock.
- 6(a) List the six (6) duties of a clock driver and explain any three (3) of them.
(b) A 32-bits system cannot maintain the system time because the number of ticks will overflow in just two (2) years. Suggest three (3) ways to solve this problem.