NATIONAL OPEN UNIVERSITY OF NIGERIA,
PLOT 91 CADASTRAL ZONE, NNAMDI AZIKIWE EXPRESSWAY, JABI – ABUJA
FACULTY OF SCIENCES
DEPARTMENT OF COMPUTER SCIENCE
2023_1 POP EXAMINATION
COURSE CODE: CIT851
COURSE CREDIT: 3
COURSE TITLE: ADVANCED SYSTEMS ANALYSIS AND DESIGN
TIME ALLOWED: 3 HOURS
INSTRUCTION: ANSWER QUESTION ONE (1) AND ANY OTHER THREE (3)
QUESTIONS

QUESTION

1a) List and explain the three steps involved in database design *(9marks)*
1b) Describe the process of denormalization of tables   *(12marks)*
1c) Write short notes on Pilot Conversion *(4marks)*

2) List and explain five types of files common in RDBMS   *(15marks)*

3a) Enumerate 8 components of a typical User Manual   *(8marks)*
3b) Write short notes on the following:
i. Parallel Conversion and *(4marks)*
ii. First Level DFD   *(3marks)*

4a) Discuss the key stages involved in any software maintenance activity *(12marks)*
4b) Write a short note on Corrective maintenance *(3marks)*

5a) Define Disaster Recovery Toolkit. Mention its various components (*13marks*)
5b) Write a short note on Perfective maintenance *(2marks)*

6a) Discuss the (3) three major steps involved in contingency planning *(12 marks)*
6b) Write a short note on Adaptive maintenance *(3marks)*