**TAKORADI TECHNICAL UNIVERSITY**

**FACULTY OF APPLIED SCIENCE**

**DEPARTMENT OF INFORMATION AND COMMUNICATION TECHNOLOGY (ICT)**

**End of Second Semester Examination - 2017/2018 Academic year**

**Diploma in Information and Communication Technology - (Level 200)**

**Course Code: CDT 205: Systems Analysis and Design III Duration 3 Hours**

**Instructions: Answer any THREE (3) questions**

**All Questions carry Equal marks**

**Question 1**

1. Describe System development process  **[8 marks]**
2. *Describe system life cycle* ***[3 marks]***
3. Explain System development methodology **[4 marks]**
4. List any five (5) Principles of systems development **[5 marks]**

**Question 2**

Explain where systems development come from? **[20 marks]**

**Question 3**

1. Explain Classical Problem-solving approach of system development process

**[5 marks]**

**ii.** Lists the PIECES framework **[5 marks]**

1. Describe requirement analysis phase **[4 marks]**

**Question 4**

1. Describe Logical design Phase **[9 marks]**
2. Describe Physical design phase **[11 marks]**

**Question 5**

Describe CASE **[20 marks]**