OLABISI ONABANJO UNIVERSITY, AGO IWOYE.

FACULTY OF SCIENCE DEPARTMENT OF MATHEMATICAL SCIENCES

NAME OF EXAMINATION:

RAIN SEMESTER, 2016/2017 SESSION

COURSE:

COLUMN TO THE

SYSTEM ANALYSIS AND DESIGN

COURSE CODE:

CMP 306

INSTRUCTION:

ANSWER ANY FOUR QUESTIONS

CALCULATOR IS NOT ALLOWED

TIME ALLOWED: 2HOURS

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la. List the steps involve in System and Analysis Design

(b) Distinguish between a couple and cohesion.

Design a structured chart using the following information

Calling Module:

RECORD STUDENT GRADES

Called Module:

GET ACADEMIC RECORD

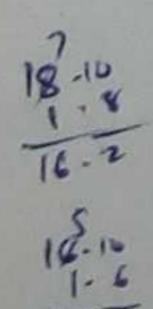
GET VALID GRADES
ADD NEW GRADES

REPORT ERRORS

CHECK FOR PROBATION CHECK FOR DEAN'S LIST

Include the required input and output couples, showing direction and meaning. In the same chart, show CHECK FOR PROBATION as a Calling Module and factor a called module called CALCULATE GPA. Show input and output couples.

- 2a. List and Write short note on the three test of Project Feasibility.
- b. Highlight the major issues to carry out the implementation of each of the Project Feasibility.
- The unit price of a particular product is N 18 if less than 10 are purchased, N16 if between 10 and 49 are purchased, and N 15.50 if 50 or more are purchased. If the customer also has preferred customer status then the purchase is subject to a discount of 10%. Prepare a Decision Table.
- b. What activities make up system design? How does system design simplify implementation?
- 4. Write in detail on the following terms in system analysis and design:
 - i. Analysis
 - ii. Interviewing
- iii. Questionnaires
- iv. Observation
- v. Consistency Checking



other. Any order over N2000 attracts a "bulk" discount of $10\frac{1}{2}$ %. A customer within the trade is allowed 17%. There is also a special 8% allowed for any customer who has been ordering regularly for over 2 years.

- i. Construct a decision table to illustrate the management's policy.
- ii. State the possible advantages and disadvantages of using flowcharts and decision tables
- Differentiate between analysis and design. Describe the content of a system specification.
- b. Distinguish between implementation and changeover. Describe the various methods of changeover.
- c. How would an analysis determine the user's needs for a system?

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