

OLABISI ONABANJO UNIVERSITY, AGO IWOYE. FACULTY OF SCIENCE DEPARTMENT OF MATHEMATICAL SCIENCES

NAME OF EXAM:

RAIN SEMESTER, 2017/2018 SESSION

COURSE/CODE:

SYSTEM ANALYSIS AND DESIGN/CMP306

COURSE UNIT:

INSTRUCTION(s):

ANSWER ANY FOUR QUESTIONS,

CALCULATOR IS NOT ALLOWED

TIME ALLOWED: 2HOURS

When invoicing customers, the invoice clerk has to work out the discounts allowable on each other. Any order over \$2000 attracts a "bulk" discount of 10 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.

Construct a decision table to illustrate the management's policy. How would an analysis determine the user's needs for a system?

6. Distinguish between implementation and changeover. Describe the various methods of changeover

Distinguish between a couple and cohesion. 2a.

Design a structured chart using the following information bi.

Calling Module: RECORD STUDENT GRADES. GET ACADEMIC RECORD.

Called Module: GET VALID GRADES 2

ADD NEW GRADES3

REPORT ERRORS 4.

CHECK FOR PROBATION & CHECK FOR DEAN'S LISTS

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.

What activities make up system design? How does system design simplify implementation?

i. Feedback wed for guiding the typens each own output depends on interdependence - component depends one each own output depends on interdependence - component depends one each own output depends on interdependence - component depends one each own output depends on interdependence - component depends one each own output depends on interdependence - component depends on the content of the cont

iv. Organizational Chart shows on anization of do yetem analy say and out ordered

v. System and sub-system interface.

List the steps involve in System and Analysis Design. - Structural Preliminary Write specific features of each step listed. Hint: Not more than a line.

What cost elements are considered in cost/benefit analysis? Define and explain the procedure for 4a. cost/benefit determination?

What categories of information are available for analysis? How would one decide on the category?

Describe the concept and procedure used in constructing DFDs

Bms/12/13/0162 The unit price of a particular product is N 15 if less than 10 are purchased. N14 if between 10 and 49 are purchased, and 113.80 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, What considerations are involved in feasibility analysis? Which do you think is the most crucial? Why? 6a What is structured analysis? Briefly review the tools used and how does it differs from the traditional approach? b. What is the role of user in this activity? Consider an automobile and a hospital as two systems. Identify the following as an input and/or output for each system: Batteries, Cured patient, Doctors, Driver's performance, Drugs, Gasoline, Information, Motion, A patient who died, Tires and X-Ray machine. THE REPORT OF THE PARTY OF THE THE PERSON NAMED TO A PROPERTY OF THE PERSON NAMED TO A PROPERTY OF THE PERSON NAMED TO A PERSON NAMED