OLABISI ONABANJO UNVERSITY, AGO-IWOYE

DEPARTMENT OF MATTEMATICAL SCIENCES

B.SC. COMPUTER SCIENCES DEGREE PROGRAMME

2015/2016 RAIN SEMESTER EXAMINATIONS

COURSE CODE: CMP 306

COURSE TITLE: SYSTEM ANALYSIS AND DESIGN

Instruction: Answer any four questions Course Code: 2units Time: 2 hrs What activities make up system design? How does system design simplify implementation? (a) What is structured analysis? Briefly review the tools used and how does it differs from the traditional approach? What is the role of user in this activity? (c) 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. replied tools tools tools the analyst to develop a new world of system see front on s that one easily, understandable to the user.

2. (a) What traditional information-gathering tools are available for analyst? Explain each tool briefly Differentiate between analysis and design. Describe the content of a system specification. Distinguish between implementation and changeover. Describe the various methods of changeover. Information is available from internal and external sources. Discuss briefly the internal and external sources. business in order to thentity its goals and purpose 3 and create systems and procedures that will achieve them in an efficient way

What cost elements are considered in cost/benefit analysis? Define and explain the procedure for 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 What considerations are involved in feasibility analysis? Which do you think is the most crucial? Why? Explain the importance of the following system concepts for system analysis to satisfied i. Feedback requirement ii. Interdependence

iii. Open and Closed System

iv. Organizational Chart

v. System and sub -system interface.

sedback - It kups I formation is formatly dosseminated in instructions memos or reports from top momagement to the intended user in the organization.
This structure against feedback up the chain ef command for follow up. nterdepence - are parts of organization or computer system depend on another

per and solosed system- It permits interaction across the boundary (open).

s isolated from environmental influences (closed).

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system design is the process of defining the architecture, modules,

and data for a system to satisfy specified requirements.

Implementation is the stage of a project cluring which theory is turned into practice

the computerized systems work - he news one trained about

