NATIONAL OPEN UNIVERSITY OF NIGERIA
FACULTY OF SOCIAL SCIENCES
DEPARTMENT OF ECONOMICS
2024_1 EXAMINATION

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| **COURSE TITLE:** | **PROJECT EVALUATION** |
| **COURSE CODE:** | **ECO 329** |
| **CREDIT UNITS:** | **3 UNITS** |
| **TIME ALLOWED:** | **3 HOURS** |
| **INSTRUCTION:** | **ANSWER QUESTION ONE AND ANY OTHER THREE (3) QUESTIONS** |

**QUESTION ONE**

1a. In the context of a project cycle, how do public sector projects differ from private sector initiatives? (5 marks)

1b. How are new project ideas generated and what types of proposals might they include? (5 marks)

1c. Why is the Project Identification Stage necessary and how does it build on the Project Idea Stage? (5 marks)

1d. How does an organization's financial capability impact the Project Selection Stage? (5 marks)

1e. What are the responsibilities of the project management team during the Project Execution Stage? (5 marks)

**QUESTION TWO**

**2a.** Explain the concept of capacity planning and how it affects a company's operational efficiency and profitability. (7.5 marks)

**2b.** Describe the four broad strategies of capacity planning and provide an example of a situation where each might be appropriate. (7.5 marks)

**QUESTION THREE**

3a) Define a 'projected cash flow statement' and identify its main users, explaining why they need this information. (5 marks)

3b) Describe the types of cash inflows and cash outflows that might be included in a projected cash flow statement, giving examples. (5 marks)

3c) What is 'sensitivity analysis' in the context of a projected cash flow statement, and how might it affect the cash flow projections? (5 marks)

**QUESTION FOUR**

4a. Define the purpose of project evaluation and list the specific areas it attempts to assess objectively. (3 marks)

## QUESTION FOUR

4(a) Explain the following Stereochemical Notations:

(i) Suprafacial shifts (2 marks)

(ii) Antarafacial shifts (2 marks)

(iii) Conrotatory (2 marks)

(iv) Disrotatory (2 marks)

(v) Concerted process (2 marks)

(b)Explain Group transfer pericyclic reaction, giving one example (6 marks)

(c)Classify cycloaddition reactions according to the number of pi electrons that interact in the reaction (4 marks)

**TOTAL MARK QUESTION 4 = 20 MARKS**

## QUESTION FIVE

5(a)Write short notes on photo-oxidation and its applications. (8 marks)

(b)With the aid of a suitable diagram, describe stimulated emission. (12 marks)

**TOTAL MARK QUESTION 5 = 20 MARKS**