NATIONAL OPEN UNIVERSITY OF NIGERIA, ABUJA
FACULTY OF SOCIAL SCIENCES
DEPARTMENT OF POLITICAL SCIENCE
2023_2 EXAMINATIONS_

COURSE CODE: POL317
COURSE TITLE: PUBLIC POLICY ANALYSIS
CREDIT UNITS: 3
TIME ALLOWED: THREE (3) HOURS
INSTRUCTION: ANSWER ANY FOUR QUESTIONS OF YOUR CHOICE.
Each question carries equal marks (17.5 Marks)

(1a) What is your understanding of public policy? (5.5 marks)

(1b) Why do we study public policy in our institutions. (12 marks)

(2) Discuss extensively the major propositions of Elite theory in the study of policy making? (17.5 marks)

(3a) What is policy formulation? (3.5 marks)

(3b) Explain the policy formulation process? (14 marks)

(4) Identify and discuss the pre-requisite for effective planning in Nigeria? (17.5 marks)

(5a) What is Policy Analysis? (5.5 marks)

(5b) Highlight and discuss the major framework of analysing public policy? (12 marks)

(6) Identify and discuss the major critiques of Cost-Benefit Analysis (CBA) and Cost Effective Analysis (CEA)? (17.5 marks)

Painter	5,000
Decorator	10,000
Total	60,000

Represent the above information on a pie chart.

5a. Find which term is 383 from the following series, 5 + 8+ 11 + … n. **10marks**

b. Dadogo Nig Ltd water wants to increase its water rate of 80k in the ratio 8:5. Determine the new water rate. **5marks**

4a. Evaluate $\int_0^{\frac{\pi}{3}} \sin x dx$ with h = π/12, correct to 5 decimal places using Trapezoidal rule.

(5marks)

b. Generate the Chebyshev polynomial up to degree 6 in power of x **(7marks)**

5a. Find the fourth degree least square polynomial of /x/ over [-1, 1] by means of Legendre Polynomial. **(6marks)**

b. Compute the min-max polynomial $q_1^*(x)$ *to* e^x on interval [-1, 1] **(6marks)**

6a. Use conditions to classify Partial Differential Equation (PDE) and state the examples for each. **(6marks)**

b. Solve Laplace equation $\frac{\partial^2 u}{\partial x^2} + \frac{\partial^2 u}{\partial y^2} = 0$ subject to the boundary conditions:

$u(x,0) = 1,\quad u(0, y) = 0, u(1, y) = 0, u(x, 1) = 1;\quad 0 \le x \le 1,\quad 0 \le y \le 1$ **(6marks)**