



NATIONAL OPEN UNIVERSITY OF NIGERIA
FACULTY OF SOCIAL SCIENCES
DEPARTMENT OF ECONOMICS
2023 2 EXAMINATIONS

COURSE TITLE: MACROECONOMIC THEORY I
COURSE CODE: ECO 341
UNITS: 3 UNITS
TIME ALLOWED: 3 HOURS

INSTRUCTION: ANSWER QUESTION ONE AND ANY OTHER THREE (3) QUESTIONS

QUESTION 1

- a. Given a hypothetical economy such that $C = a + bY_d$, $Y_d = Y - T$, $T = T_0 + tY$,
 $I = I_0 + rY$, $G = G_0 + gY$. show the National Income Equilibrium Y_e **10 Marks**
- b. Given a consumption function as $C = 35 + 0.45Y$, what will be the saving function? **5 Marks**
- c. Define the term Multiplier **5 Marks**
- d. List any 5 factors affecting the inducement to invest **5 Marks**

QUESTION 2

- a. Discuss the consumption theory as propounded by James Duesenberry **15 Marks**

QUESTION 3

- a. Using graphical illustrations, differentiate between inflationary and deflationary gaps. **10 Marks**
- b. Discuss the consumption function. **5 Marks**

QUESTION 4

All economies worldwide have laid down Macroeconomic Policy Objectives. Discuss five (5) of these objectives **15 Marks**

QUESTION 5

List and discuss five (5) major characteristics of less developed countries **15 Marks**

Question 3

- 3a. Examine wireless local area network with example. (2 marks)
- 3b. What did you understand by parallel programming model? State its layers. (4 marks)
- 3c. Discuss briefly the types of radios in communication. (9 marks)

Question 4

- 4a. Briefly explain Bluetooth technology. (5 marks)
- 4b. Behavioral models is one of the models use to discuss design proposals and to document the system for implementation. Discuss these models. (5 marks)
- 4c. What type of network is EY-NPMA and state conditions to make each station in EY-NPMA attempt to access the channel. (5 marks)

Question 5

- 5a. Identify and explain Flynn's classifications which are relevant to parallel computers. (3 marks)
- 5b. Examine the limitations of Bluetooth technology. (5 marks)
- 5c. HiperLAN is a standardized network. Examine the features making it acceptable and reliable. (7 marks)

Question 6

- 6a. The value of a programming model can be judged on its generality. Identify these generalizations. (2 marks)
- 6b. The broadband radio access networks (BRAN) are standardized network by the European Telecommunications Standards Institute (ETSI). Examine the components of a BRAN. (4 marks)
- 6c. Examine the security of Bluetooth technology. (9 marks)