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

COURSE TITLE: INTRODUCTION TO INTERNATIONAL ECONOMICS
COURSE CODE: ECO 344
CREDIT UNITS: 3 UNITS
TIME ALLOWED: 3 HOURS
INSTRUCTION: ANSWER QUESTION ONE AND ANY OTHER THREE (3) QUESTIONS

QUESTION ONE
1a. Briefly appraise the concept of foreign direct investment in international trade
(8 marks)

1b. Shortly describe the meaning of sectoral structure of trade
(8 marks)

1c. Explain the differences in cost ratio as a factor affecting gain from international trade
(9 marks)

QUESTION TWO
What are the tangency and convexity conditions that ensures value of production is maximized?
(15 marks)

QUESTION THREE
3a. Explain the concept of dual economies as a consequence of international trade
(7 marks)

3b. Shortly describe the concept of production possibility frontier
(8 marks)

QUESTION FOUR
4a. Write briefly on the factor content theorem of international trade
(7 marks)

4b. Discuss any three (3) main differences between foreign trade and domestic trade
(8 marks)

QUESTION FIVE
5a. Succinctly appraise the government policy that leads to gain from trade
(8 marks)

5b. Derive the steps in the model specification of wage in Ricardian framework
(7 marks)

3: T → T * F
4: T → F
5: F → (E)
6: F → a

Find the left parse of the sentence a * (a + a) *(10 marks)*

(c)   Write the sequence of the derivation in (b) *(1 mark)*

4(a)   Outline the problematic areas when considering the performance measurement of actual compilers. *(5 marks)*

(b)   What are the reasons for studying LR Grammars? *(5 marks)*

(c)   List out the steps in Lex implementation *(5 marks)*

5(a)   Outline the properties provided by Optimising Compilers. *(4 marks)*

(b)   Given the following simple source program:

    while a < b do
    if c < d then
    x := y + z
    else
    x := y − z

Generate an equivalent intermediate code. *(6 marks)*

(c)   Write a regular expression for the regular grammar: G = {N, Σ, S, P),
where N={S,A},

    Σ={a,b,c},
    P = {S→aS, S→bA, A→ε, A→cA} and
    S is the start symbol,

to a regular expression: *(5 marks)*

6(a)   Outline the four actions adopted when implementing the shift and reduce algorithm *(4 marks)*

(b)   *Define parse tree (3 marks)*

(c)   With sample representations, describe the various types of parse trees. *(8 marks)*