

HOLIDAY ASSIGNMENT SS2 BUSINESS

MATHEMATICS

1a . IF $R = \frac{h}{2} + \frac{d^2}{8h}$, make d the subject of the formula. Hence find the value

of d when $R = 15$, $h = 4$, to 2 significant figures.

b. A shop is sending out a bill for an amount less than \$100. The accountant interchanges the two digits and so overcharges the customer by \$45.

Given that the sum of the two digits is 9, find how much the bill should be.

2a. Solve graphically the simultaneous linear inequalities, the integral parts which satisfies the following;

$$x > -2, x \leq 4, y < 4, x + y \geq 2 \text{ and } 3y - 2x \leq 6$$

b. Simplify the following;

i.
$$\frac{b^2 + ac - ab - bc}{c^2 - ac + ab - bc}$$

ii.
$$\frac{a(b+c) + (b+c)^2}{b^2 - c^2 + ab - ac}$$

ENGLISH LANGUAGE

GRAMMAR

Section 1: Complex Sentences

The Bedrock of English Grammar, page 175. Exercise ii, questions xxi-xxv.

Section 2: Modifiers: Order of Adjectives

New Concept English for SS2, page 238. Exercise 4, questions 2-6.

COMPREHENSION

Pages 242 to 243

Part B: Questions a, b, c, f, g.

SUMMARY

Answer the summary question in unit 17, page 206 and 207.

SPEECH

1. ***From the words lettered A to D, choose the word that has the same consonant sounds as the one represented by the letters underlined***

1. banked a. led b. filled c. taken d. ludo

2. zoology g a. give b. sag c. beg d. vigil

3. thump a. think b. there. c. breathe d. them

4. casualty a. lace b. Steal c. vision d. lesson

5. calyx a. blinks b. eclipse c. example d. desk

2. Transcribe the following words

i. Colonel

ii. Chimera

iii. Voracious

iv. Vanquish

v. Muffle

CIVIC EDUCATION

- 1a. What is responsible parenthood?
 - b. Enumerate any **FIVE (5)** duties that are expected of pedestrians on the road.
 - c. Distinguish between biological parents and adoptive parents.
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- 2a. What do you understand by traffic regulation?
 - b. Differentiate between regular marshals and special marshals.
 - c. Enumerate any **FOUR (4)** essential gadgets that must be in a vehicle according to FRSC.

ECONOMICS

1. Distinguish between:
 - a. a mortgage bank and a merchant bank.
 - b. a commercial bank and a development bank.
 - c. money market and capital market.

2. Describe any **FOUR (4)** ways by which central bank controls the amount of credit given by the commercial banks.

BIOLOGY

- 1a. What are gonads?

- b. Differentiate between ureter and urethra.

- c. Explain oogenesis.

- 2a. State **FOUR (4)** parts of female reproductive system.
- b. What is excretion?
- c. Define hormones.

COMPUTER STUDIES

- 1a. What is program development?
 - b. Mention **THREE (3)** steps involved in program development.
 - c. Differentiate between Algorithm and Flow Chart
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- 2a. What is internet?
 - b. Highlight **FOUR (4)** internet terms.
 - c. Mention **FOUR (4)** examples of internet browsers.

ANIMAL HUSBANDRY

- 1a. Define Marketing
 - b. Highlight **FIVE (5)** marketing agents
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- 2a. Define the following
 - i. Pasture
 - ii. Forage crops
 - b. State **TWO (2)** characteristics of natural pasture

DATA PROCESSING

- 1a. Define graphics package.
 - b. Mention the types of graphics
 - c. Mention the types of graphics packages.
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- 2a. Highlight **THREE (3)** examples of graphics packages.
 - b. Highlight **THREE (3)** Web design packages
 - c. Mention **FIVE (5)** HTML elements.

DYEING AND BLEACHING

- 1a. What is textile design?
 - b. Highlight **FIVE (5)** importance of marbling in tie dye.
 - c. Identify **FIVE (5)** job opportunities in tie dye.
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- 2a. Discuss **FOUR (4)** effect of bleaching a fabric.
 - b. Identify **THREE (3)** ways a fabric can be preserved
 - c. State **THREE (3)** advantages of tie dye.

FURNITURE MAKING

PART A: THEORY

- 1a. State **TWO (2)** factors to be considered when designing a furniture article.
- b. List **TWO (2)** types of widening joint.
- 2a. State and explain any **TWO (2)** business opportunities in furniture making.
- b. Identify **FOUR (4)** types of finishing materials.

PART B: DRAWING AND DESIGN

Use the diagram of a dinning chair shown in **Fig. 1** below to answer **questions 3 and 4**.

A solid hardwood is to be used for its construction.

Total height= 860mm, leg height = 365mm, seat frame width = 300mm,
leg width = 25mm

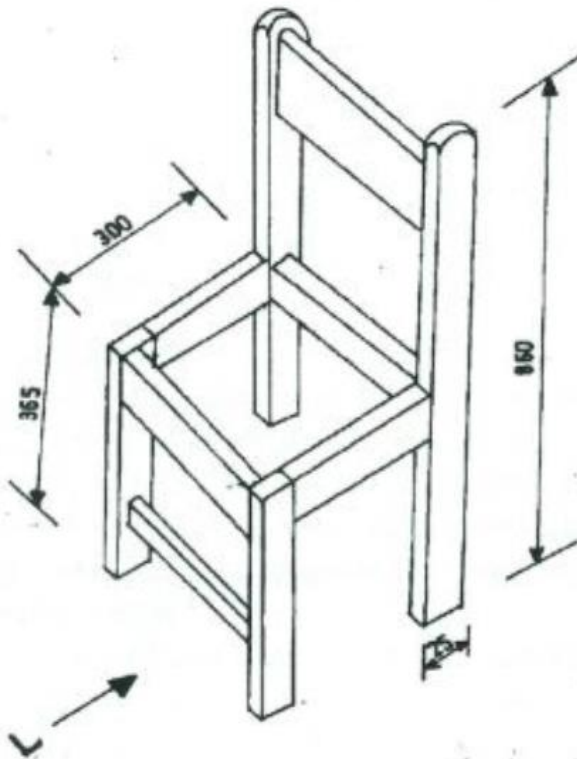


Fig. 1

Question 3: Make a freehand pictorial sketch of the dinning chair with padded seat.

Question 4: To a scale of 1:5, draw in first angle orthographic projection, the following views of the dinning chair:

- i. front elevation;
- ii. side elevation.

FURTHER MATHEMATICS

1 (a) Given that $x^2y^2 - 3xy + 4xy^3 = 4$, find $\frac{dy}{dx}$ by implicit differentiation.

(b) Differentiate with respect to x:

$$\frac{x^3}{\tan x}$$

2. The angle of a sector of a circle is 75° . If the radius of the circle is increasing at the rate of 0.3cms^{-1} , find the rate of increase of the area when the radius is 6cm, leaving your answers in terms of π .

FINANCIAL ACCOUNTING

- 1a. What is Capital market?
- b. Identify **TWO (2)** instruments traded in capital market.
- c. State **TWO (2)** functions of capital market.

- 2a. Briefly explain the term 'Money market'.
- b. Mention **THREE (3)** functions of money market.
- c. Explain **TWO (2)** instruments traded under money market.

GOVERNMENT

- 1a. Define civil service.
 - b. Explain any **FOUR (4)** characteristics of civil service.
 - c. Identify any **FOUR (4)** functions of civil service.
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- 2a. Define public corporation.
 - b. Examine any **FOUR (4)** features of public corporation.
 - c. Highlight any **FOUR (4)** functions of public corporation.

COMMERCE

- 1a. What is an insurance?
 - b. State **FOUR (4)** terms in insurance policy.
 - c. Explain the term indemnity.
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- 2a. Differentiate between whole 'Life Assurance Policy and Endowment Assurance Policy'.
 - b. State any **FOUR (4)** principles of Insurance Policy.
 - c. State the types of Motor Vehicle Insurance Policy

FRENCH LANGUAGE

- 1a. Ecrivez 1 phrase pour chaque type de rédaction.
- b. Faites 5 phrases à la forme negative.
- c. Mentionnez 5 pays membres de la Francophonie ainsi que leur capitale.

- 2a. Donnez 5 informations sur la France.
- b. Donnez 5 informations sur votre pays.
- c. Donnez 5 informations sur votre ville ou village.

YORUBA LANGUAGE

- 1a. Fun Aroko ajemo isipaya ni oriki.
 - b. Ko meji sile lara awon ori oro fun aroko ajemo isipaya.
 - d. Ko meji sile lara awon ohun ti o le je ilapa ero fun aroko ajemo isipaya.
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- 2. Fun eko ile ni oriki.
 - b. Ni soki se akosile pataki eko ile.
 - d. Ni soki bawo ni o se le han lara omo pe o ni eko ile?