

## MATHEMATICS

1a. Expand  $(4p - q)(3p - 3q)$

b. Evaluate  $\frac{2x^2}{x^2 - y^2}$ , when  $x = -2$  and  $y = 3$

c. Simplify  $;\frac{4x}{7} - \frac{x}{21}$

2a. Use the table below to find the mode of the distribution

<b>Age(year)</b>	45	48	50	53	55
<b>Frequency</b>	43	30	45	28	31

b. If a number is chosen at random from the number

2,3,4,5,6,7,8,9,10. What is probability that it is multiple of 3?

c. Find the smallest number by which 12 can multiplied to give a perfect square.

3. The distribution of junior workers in an institution are as follows

- *Clerk* = 78
- *Driver* = 36
- *Typist* = 44
- *Messenger* = 52
- *Others* = 30

Represent the information in a pie chart.

## ENGLISH STUDIES

### GRAMMAR

New Concept English for junior secondary schools bk 3

Multiple-choice questions

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Number 1-10.

### SPEECH

From the following words lettered A-D, choose the word that has the same vowel sound as the one represented by the letters underlined.

1. Meat      a. luggage      b. cue      c. seize      d. fix
2. Good      a. sugar      b. proof      c. meek      d. crude
3. Build      a. reap      b. rip      c. police      d. achieve
4. Soup      a. courier      b. woman      c. do      d. foot
5. Business      a. least      b. list      c. bush      d. boot

### COMPREHENSION

New Concept English for junior secondary schools Bk3

Unit 4

Science and technology

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Number 1-5

### LITERATURE

Define briefly the following figures of speech and give two examples each in sentences.

1. Oxymoron                      2. Irony      3. Metaphor      4. Personification
5. Hyperbole

## **CHRISTIAN RELIGIOUS KNOWLEDGE**

- 1a. Describe the coming of the Holy Spirit upon the disciples on the day of the Pentecost.
- 1b. Chastity is one of the highly cherished values in African culture but unfortunately this value seems to have been completely eroded. As a youngster, explain any five (5) consequences pre-marital sexual relationship can have on an individual, the family and society as a whole.
- 1c. Recount what led to the healing of the crippled man at the beautiful gate.
- 2a. Define miracle.
- 2b. List three (3) qualities which must be possessed by a deacon according to the book of the Acts of Apostles.
- 2c. State the great commission.
- 3a. What is discrimination?
- 3b. Mention the names of the Seven Deacons.
- 3c. Narrate Peter's encounter with Simon, the magician.

## HISTORY

- 1a. What do you understand by the word, Sahara?
- b. Mention four (4) commodities traded during Trans-Saharan trade
- c. Define the term Trans-Saharan trade.
- 2a. Give a brief description of the following trade routes along the Sahara:
  - i. West
  - ii. Central
  - iii. East
- b. Highlight four (4) nature of Trans-Saharan trade.
- c. Identify four (4) positive effect of Trans-Saharan trade.
- 3a. Explain three (3) major reasons for the early European contact with Africa.
- b. Highlight four (4) nature of the early European presence in Nigeria
- c. Explain three (3) undesirable impacts of Trans-Saharan trade

## ISLAMIC RELIGIOUS KNOWLEDGE

- 1a. Provide the full transliteration of Hadith 34 of An- Nawawi's collection.
- 1b. Translate the Hadith (in 1a) above.
- 1c. Provide five (5) lessons that can be drawn from the Hadith.
- 2a. Write the transliteration of the first ten verses of Suratul Qalam.
- 2b. Provide the translation of the Surah (in 2a) above.
- 2c. State any three (3) moral lessons which can be drawn from the surah.
- 3a. Provide an account of the circumstance which brought about the revelation of Suratul Qalam.

## YORUBA

1. Fún àkàyá ní oríkì.
2. Kọ àwọn ònkà wọnyí ní èdè yorùbá
  - i. 1000
  - ii. 2000
  - iii. 2200
  - iv. 4000
  - v. 3000
  - iv. 2400
  - vii. 2600
  - viii. 6000

## BASIC SCIENCE

- 1 Family traits are the ways in which family members are alike.
  - a) Mention ten (5) examples of family traits.
  - b) Briefly explain three importance of family traits.
  - c) Write short note on mutation.
2. Environmental hazards are disasters which affect lives and properties as a result of the action of man and other natural phenomena;
  - a) Mention any five (5) environmental environmental hazards.
  - b) Differentiate between afforestation and deforestation.
  - c) Mention ten (5) environmental organization or agencies in Nigeria.
- 3 Explain the term resource.
  - b) List five (5) major purpose/reasons of plant resources.
  - c) State five (5) materials from animal resources.

## BASIC TECHNOLOGY

- 1a. Define timber defects.
- b. State **four (4)** natural and **four (4)** artificial defects in timber.
- c. State **three (3)** purposes for alloying metals.
- 2a. Briefly explain timber processing/timber production.
- b. State **five (5)** stages of timber production.
- c. List **three (3)** manufactured boards.
- 3a. Explain timber seasoning.
- b. State **three (3)** reasons why wood is seasoned.
- c. Mention **two (2)** types of growth in young timber trees.



## **AGRICULTURAL SCIENCE**

- 1a. Define the following terms:
  - i. Packaging
  - ii. Marketing
- 1b. State two importance of packaging
- 1c. List three agricultural produce that can be package.
  
- 2a. Briefly explain Advertising
- 2b. List two activities of agricultural marketing
  
- 3a. State two objectives of advertising
- 3b. List two factors that can influence the fixing of pricing on agricultural products

## HOME ECONOMICS

- 1a. Who is a consumer?
  - b. State three rights of a consumer.
  - c. List two challenges faced by consumers.
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- 2a. What is redress option?
  - b. Highlight three redress options for consumers.
  - c. State two procedure for seeking redress.
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- 3a. Explain child development.
  - b. Itemize three areas of child development.
  - c. State three conditions necessary for child development.

## **FINE ART**

1. Write briefly on the following Nigerian contemporary artist, considering their;
  - i. birth
  - ii. Training
  - iii. Contributions toward art development
    - a. Jimoh Buraimoh
    - b. Dele Jegede
    - c. Kolade Osinowo
- 2a. Explain museum
- B State five types of museum
- c. Highlight five importance of a museum.
- 3a. Differentiate between hue and value
- b. Mention five art terminologies
- c. Enumerate five Nigerian contemporary artists.

## SOCIAL STUDIES

- 1a. Define the term integrated Social Studies.
- b. Highlight any **three (3)** importance of Social Studies as a subject.
- c. Write short note on the following fields of study from which Social Studies draws its content:
  - i. Agricultural Science
  - ii. Sociology
  - iii. Economics
  - iv. Government
- 2a. What is human trafficking?
- b. Write short note on the following main agents involved in human trafficking:
  - i. The traffickers
  - ii. The trafficked person
  - iii. The end users
- c. Briefly explain any **four (4)** causes of human trafficking.
- 3a. Write short note on the following domains of Social Studies:
  - i. Cognitive domain
  - ii. Affective domain
  - iii. Psychomotor domain
- b. What are harmful traditional practices?
- c. Briefly explain the following practices which are considered harmful:
  - i. Female circumcision
  - ii. Widowhood practice
  - iii. Scarification

## **CIVIC EDUCATION**

- 1a. What is right attitude?
- b. Explain any two (2) attributes of right attitude to work.
- c. Highlight any two (2) rewards for having right attitude towards one's work.
- 2a. Define population census.
- b. With relevant examples, explain the following:
  - I. Overpopulation
  - II. Underpopulation
  - III. Optimum population
- c. What is demography?
- 3a. Explain in detail any two (2) major importance of population census.
- b. Explain any three (3) factors that can determine population growth.

## **BUSINESS STUDIES**

- 1a. What are office procedure?
- b. Give three importance of office procedure.
- c. Define a bill.
2. State two features of the following:
  - a. Invoice
  - b. Receipt
  - c. Bill
- 3a. Explain payment
- b. State three reasons why payments are made
- c. Mention three medium of making payment through the bank.

## **PHYSICAL AND HEALTH EDUCATION**

- 1a. What is sports law?
- b. Define the word "physical fitness".
- c. List three factors affecting physical fitness.
- 2a. What is dance?
- b. List the two types of dance.
- c. Enumerate three examples of traditional dance.
- 3a. Define recreation
- b. Discuss the types of recreation.
- c. Explain three benefits of recreation.

## FRENCH LANGUAGE

### 1. Mettez les phrases suivantes à la forme négative.

Exemple: Le médecin a perdu le temps.

Le médecin n'a pas perdu de temps.

A. Les médecins ont soigné le malade.

\_\_\_\_\_

B. Le Directeur est arrivé avant tout le monde.

\_\_\_\_\_

C. Les filles sont allées au cinéma.

\_\_\_\_\_

D. Je voudrais venir avec vous.

\_\_\_\_\_

E. Tu as acheté la robe ici.

\_\_\_\_\_

### 2. Complétez avec deux options comme dans l'exemple.

Options:

*la radio, mon père, ton livre, du foufou, une chemise, la musique, la télévision, du riz, ma mère, une robe, ton cahier, la danse, une robe.*

Exemple: Elle préfère la danse ou la musique

Nous voulons manger \_\_\_\_\_ ou \_\_\_\_\_

\_\_\_\_\_ ou \_\_\_\_\_ sera à la réunion.

Pour s'informer, il faut écouter \_\_\_\_\_ ou \_\_\_\_\_.

Donne – moi \_\_\_\_\_ ou \_\_\_\_\_.

Elle préfère \_\_\_\_\_ ou \_\_\_\_\_.



# MUSIC

- 1a List three (3) steps in indentifying compound interval
- b. Write short note on the following
  - i. Acapella
  - ii. Interval
  - iii. Solo Performance
  - iv. Transposition
- 2a . Construct a major triad on the keys below with key signature
  - b. C major
  - c. F major
  - d. G major
3. Identify the interval below by
  - i. Their letter name
  - ii. By number
  - iii. By quality

○				
	○			
		○		
○	○	○	○	○ ○

## SECURITY EDUCATION

- 1a. What are common crimes?
- b. With relevant examples, explain the following categories of crime:
  - i. Crime against person
  - ii. Crime against property
  - iii. Crime against humanity
  - iv. Crime against constituted authority
  
- 2a. Define the term punishment.
- b. Explain any three (3) reasons why punishment is necessary in crime reduction.
- c. Briefly explain the following types of punishment;
  - i. Fine
  - ii. Imprisonment
  - iii. Death sentence
  
- 3a. Who is a suicide bomber?
- b. Explain any three (3) that could make a person become a suicide bomber.
- c. Discuss any three (3) ways by which a suicide bomber that is about to attack can be identified.

## INFORMATION AND COMMUNICATION TECHNOLOGY

1. Explain the following

a. Browser

b. Domain Extension

c. Domain name

2a. What is a search engine?

b. Mention 4 examples of search engines

c. Mention 3 ways to use a search engine effectively

3a. Differentiate between surfing and browsing

b. Mention 4 domain extension

c. What is digital divides?