HOLIDAY ASSIGNMENTS FOR JS 3 PROMOTED TO SS 1 MATHEMATICS 1.

- A quantity Y is directly proportional to X and inversely proportional to the 1. square of Z. if Y = 6 when X = 12 and Z = 2.
 - i. Express Y in terms of X and Z
 - ii. Find the value of Y , when X = 5 and Z = $\frac{1}{3}$ iii. Find the value of X when Y = 6 and Z = $\frac{2}{5}$

Solve the equation: $\frac{2}{3}(3x-5) - \frac{3}{5}(2x-3) = 3$ 2a. b.

Without using calculator, Simplify:

$$3\frac{4}{9} \div \left(5\frac{1}{3} - 2\frac{3}{4}\right) + 5\frac{9}{10}$$

2. ENGLISH LANGUAGE

I. COMPREHENSION

New Concept for Senior Secondary School 2 . Appendix 1, page 242-243, Part B, Oa- e

II. **GRAMMAR**

New Concept for Senior Secondary School 2. Unit 2, pages 22-23, Excercise 8, Q1-10.

III. **SUMMARY**

New Concept English

For Senior Secondary School 2, page 6.

In five sentences, one for each, summarize five of the approaches the school may adopt to curb bullying.

IV. **SPEECH**

Transcribe the following words phonemically

- 1. Sport
- 2. School
- 3. Leader
- 4. Gaol
- 5. World

Identify the sound representing the underlined letter

- 6. education
- 7. international
- 8. committee
- 9. manage
- 10. instruction

3. FINANCIAL ACCOUNT

- 1a. Define the terms below:
 - i. Book keeping
 - ii. Accounting
- b. State two importance of book keeping and accounting.
- 2a. Enumerate two differences between book keeping and accounting.
- b. Itemise any four (4) users of accounting information and briefly explain any one.

4. COMMERCE

- 1a. What is Commerce?
- 1b. State four importance of commerce.
- 1c. Who is a consumer?
- 2a. State the two main divisions of commerce.
- 2b. Explain the two main divisions of commerce.
- 2c. Highlight any four activities that aid buying and selling of goods and services.

5. ECONOMICS

- 1a. Define economics in accordance to Professor Lionel Robbins.
- 1b. Explain two major branches of economics with at least two examples each.
- 1c. State any three reasons why economics is very important in our daily endeavours.
- 2a. Distinguish between opportunity cost and money cost.
- 2b. Explain the term "Scarcity".

6. CHRISTIAN RELIGIOUS KNOWLEDGE

- 1a. How does John portray Jesus as the true vine?
- b. What **THREE (3)** lessons do you derive from the relationship between Christ and his believers.
- c. How does Jesus describe Himself in St. John's Gospel as the living water?
- 2a. In what **THREE (3)** ways does this teaching apply to us as a Christian.
- b. What was Jesus' teaching about himself as the living bread?
- c. In what **THREE (3)** ways is this teaching significant ?

7. GOVERNMENT

- 1a. Define Government as an institution of a state.
- b. Explain any FOUR (4) attributes of the government of a state.
- c. Enumerate any FOUR (4) functions of government.
- 2a. Highlight any FOUR (4) differences between a state and government.
- b. What is political science?
- c. Explain government as a process of governing.

8. CIVIC EDUCATION

- 1a. Define national value.
- b. There are several actions that can constitute justice or injustice, in view of this, explain any FOUR (4) types of Justice.
- c. What do you understand by community service?
- 2a. Define Nationalism.
- b. Mention any **FOUR (4)** Nigerian nationalist you know.
- c. Highlight any **TWO (2)** roles played by nationalists in Nigeria.

9. ISLAMIC RELIGIOUS STUDIES

- 1a. Write the Transliteration of Suratul Adiyah (Q.100).
- b. Mention any **FOUR (4)** lessons that can be drawn from the above surah in (1a).
- c. Provide the transliteration and the translation of hadith 6 of An-Nawawis collection.
- 2a. Identify any **THREE (3)** lessons learnt from the above hadith in (1c).
- b. Define the term salat.
- c. Mention any **FOUR (4)** obligatory prayers in Islam.

10. YORUBA LANGUAGE

Isé àsetilewá kìn-ín-ní

- 1.a. şàlàyé ohun tí ệkộ ilé jệ.
 - b. kọ àbùdá ìwà ọmọlúàbí mérin.
 - d. şàlàyé méjì nínú àwọn àbùdá wòyìí.
- 2.a. fi àmì ohùn sí orí àwọn òrò wònyìí;
 - i. oko -Car
 - ii. agbalagba Elderly
 - iii. agbon -Coconut
 - iv. ago-watch
- b. kọ àkànlò èdè méjì pệlú ìtúmộ wọn.

11. FRENCH LANGUAGE

- 1. Remplissez les vides avec les formes correctes des verbes.
 - i. Demain, je du the au lait (boire) futur.

ii. Le pofesseur aux élèves pendant la récréation. (parler) imparfait.

iii. Mon cousin me voir demain. (vouloir) futur.

iv. Il la date dans le calendrier. (chercher) présent.

- v. Le chien l'os. (mâcher) passé composé.
- vi. Nous le soldat à l'école lundi prochain. (voir) futur.

vii. S'il vous plaît, Je le matin. (venir) futur négatif.

viii. Mon père les vêtements (acheter) passé composé négatif.

ix. Demain, le boulanger au marché. (être) futur.

x. Tu la nouvelle ce soir là. (écouter) imparfait négatif.

- 2. Mettez les mots suivants au féminin:
 - i. vieux =
 - ii. premier =
 - iii. pauvres =
 - iv. plein =
 - v. mince =
- 3. Donnez le contaire des mots suivants:
 - i. chaude =
 - ii. sec =
 - iii. mince = iv. premier =
 - v. mort =
- 4. Mettez les phrases suivantes à la forme negative:
 - i. Pour prier, les chrétiens vont à l'église.
 - ii. Dans la bibliothèque il y a toutes sortes de livres.
 - iii. On va au marché pour acheter du riz, des haricots, des tomates et des légumes.
 - iv. Les onze joueurs de football constituent une équipe.
 - v. Pou acheter de la viande, il faut aller à la boucherie.
- 5. Dans une petite rédaction d'environ 200 mots. Décrivez votre professeur de français.

12. LITERATURE

- 1. Explain briefly what makes POETRY different from other genres of Literature.
- 2. Describe the term 'Poetic devices.'
 - State and briefly explain Poetic devices along these structures:
 - (i) based on rhythm/sound (3)
 - (ii) changing the meaning of words (2)
 - (iii) arranging words (2)
 - (iv) adding imagery (2)
- 3. Briefly summarize the PLOT of the novel 'To kill a Mockingbird' by Harper Lee.

13. COMPUTER STUDIES

- 1a. What do you understand by the term peripherals?
- 1b. List **five (5)** common peripherals.
- 1c. State **three (3)** characteristics of the computers.
- 2a. Write short notes on the following input devices:
 - i. Optical mark reader (OMR)
 - ii. Optical character reader (OCR)
 - iii. Bar-code reader
- 2b. State the **five (5)** basic units in Charles Babbage's Analytical Engine.
- 2c. Write the full form of the following:
 - (a) ENIAC (b) EDSAC (c) EDVAC (d) UNIVAC-1 (e) HDD

14. DATA PROCESSING

- 1a. What is a number system?
- 1b. In a tabular form, state the 5 computer generations and the electronic technologies used to build each of them.
- 1c. List and explain the types of data
- 2a. In a tabular form, Compare the mainframe, mini and super computers based on size and speed.
- 2b. In a tabular form, write binary numbers 1-15
- 2c. convert the decimal numbers to their binary equivalents:
 - a. 16
 - b. 32
 - c. 64
 - d. 128
 - e. 256

1

2a.

15. FURTHER MATHEMATICS

- Simplify the following
 - I. $y^2 \times y^{-4} \times 2y$ II. $(\frac{1}{9})^{-\frac{1}{2}}$ III. $18x^8 \times (4x^3)^3 \div 24x^{17}$

Solve the following equations

I.
$$2^{2+2x} + 3(2^x) - 1 = 0$$

II. $(0.25)^{x-1} = 16$

16. CHEMISTRY

- 1a. Define chemical industry
- b. Mention five divisions of the chemical industry and what they produce
- c. Explain the following terms (i) heavy chemicals (ii)fine chemicals (iii)petrochemicals.
- 2a. State 3 uses of chemistry.
- b. Explain three adverse effects of chemistry and how they can be controlled
- c. Define atoms.

17. BIOLOGY

- 1a. Define biology
- b. Mention and explain the two main branches of biology.
- c. List ten (10) other branches of biology alongside with their brief definition.
- 2a. Define scientific methods.
- b. Briefly explain the ten (10) characteristics of living organisms.
- c. In a tabular form, state four differences between plant and animals.

18. PHYSICS

- 1a. Differentiates between fundamental quantities and derived quantities
- 1b. List the seven fundamental quantities
- 1c. Define time.
- 2a. Define speed
- 2b What is uniform acceleration
- 2c. Derive the dimensions of the following physical quantities
 - a. Density
 - b. Pressure
 - c. Force.

19. GEOGRAPHY

- 1a. Define geography.
- 1b. Explain the scope of geography.
- 1c. Highlight three (3) importance of geography.
- 2a. What is solar system?
- 2b. Mention all the components of the solar system.
- 2c. Describe the shape and size of the earth.

20. FURNITURE MAKING

- 1a. List and explain the TWO (2) categories of wood with THREE (3) examples each.
- b. Differentiate between woodworking and woodwork with **TWO (2)** examples each.
- c. List **FIVE (5)** factors which help to produce safe working conditions.
- 2a. Describe a wood workshop?



- b. Identify the wood working operation shown above.
- c. State two (2) safety precautions that must be observed during the operation.
- 3a. Enumerate **FOUR (4)** safety devices used in the wood workshop and their functions.
- b. Briefly explain what is meant by wood conversion.
- c. What is an accident?
- b. State FOUR (4) causes of accidents in the workshop.

21. VISUAL ART

- 1a. What is art?
- b. With the aid of diagram explain the branches of art
- c. State five importance of art to the society
- 2a. What is colour?
- b. Mention three classes of colour
- c. State three importance of colour
- 3a. Explain line
- b. State five types of line
- c. State five functions of line.

22. DYEING AND BLEACHING

- 1a. What is tie-dye?
- b. Explain three (3) types of dyeing in tie-dye.
- 2a. Define the term "batik".
- b. List five (5) materials for tie dyeing.
- 3. Identify three (3) major classes of colours.

23. TECHNICAL DRAWING

- 1a. Sketch the following drawing instruments and state their functions;
 - i. A pair of compasses.
 - ii. French curves.
- b. Differentiate between complementary and supplementary angles.
- c. Differentiate between Isometric and Orthographic projections.
- 2a. With the aid of diagrams differentiate between concentric circles and eccentric circles.
- b. Sketch the symbol of first angle projection.
- c. Draw a given line AB = 120 mm and divide into twelve equal parts.

3a. Construct triangle ABC with base angles of 45° and 60° , having base length AB = 65mm. What is the length AC?

b. Using pair of compasses, ruler and pencil only, construct the following angles;

i. 45° ii. 105° iii. 135°

c. Highlight **FIVE (5)** careers related to Technical drawing.

24. AGRICULTURAL SCIENCE

- 1a. Define Forage crops.
- b. Explain two factors affecting the distribution of pasture.
- c. State two management practices in pasture.
- 2a. What is farm mechanization?
- b. State two setbacks of farm mechanization.
- c. List two simple farm tools.
- 3a. Define Autotrophism
- b. State two advantages of human power.
- c. List four parts of a tractor