

JS1 RESEARCH TOPICS FOR THIRD TERM 2019/2020 ACADEMIC YEAR

JS1 BASIC THEC

1. Explain electronics, properties of electronic device and its example. State its importance
2. Explain building, identify various types, materials, uses and its components

JS1 MUSIC

1. List some musical terms and expansions
2. List 5 African musical instruments
3. Get the diagram of a recorder
 - i. uses of the recorder
 - ii. care of the recorder

JS1 C R S

1. Relationship in the community
 - i. Meaning of community
 - ii. Identification of the community leaders
 - iii. Ways of sustaining relationship in the community (Mtt 25:31 – 46)
2. Relationship in the church
 - i. Meaning of church
 - ii. Names of church leaders
 - iii. ways of sustaining relationship in the church (Romans 12: 9 – 21) (Peter3: 8 – 13, Romans 13: 1 – 7)

JS1 P H E

Write the health needs of a growing child.

JS1 CIVIC EDUCATION

Topic: Citizenship

Meaning of citizenship

Who is a citizen?

Types of citizenship

Processes of becoming a citizen of Nigeria

Ways of losing citizenship

Importance of citizens rights and duties

JS1 MATHEMATICS

1. In a test out of 40, the marks of students were, 31, 18, 6, 26, 36, 24, 23, 14, 29, 28, 32, 9, 11, 22, 21.

(a) Calculate the mean mark for the test (b) Express the mean mark as a percentage

2. Find the square root of the following leaving your answer in base two (a)

11001_{two} (b) 1010001_{two}

JS1 IGBO

(a) Gini bu Akuko Ifo?

(b) Olee uru akuko ifo bara?

(ch) Dee akuko ifo ato ma kowa ihe kpatara udi ha.

JS1 ENGLISH LANGUAGE

“One oracle we contracted, revealed that he was taken to a river and he cannot come back. The oracle said he’s alive and healthy, but that he was seized by mysterious forces. So we need your advice on what to do”.

Question: Discuss fully what led to this situation in the life of Onyeze.

NB: Not more than one page. _

JS1 FRENCH

1. Using your French textbook initiation pratique list twenty countries and their citizens example france ilest francais Elle est francaise

2. Using the internet write any five ways you want your French teacher to teach you for better understanding. Cite your source of information.

JS1 AGRICULTURAL SCIENCE

In not less than four full pages , write on food and nutrition indicating the groups of food according to their nutrients, healthy feeding practices, unhealthy feeding and its effects.

JS1 BUSSINESS STUDIES

1. What is the meaning of occupation

2. Draw a diagram to illustrate the division of occupation

3. Discuss any three forms of business organization

JS1 SOCIAL STUDIES

1. Explain five social problem in Nigeria

b. Suggest five good measures for overcoming the problem

COMPUTER JSS1

Define paint

Draw and label MS paint environment

JS1 CCA

Produce a collage picture of your choice using the measurement 20cm + 10cm

JS1 CAT

1. Discuss in details the theological virtues
2. Trace the origin of the prayer "Our Father" oratio Dominica

JS1 LATIN

10 Latin quotations and its meaning

JS2 RESEARCH TOPICS FOR THIRD TERM 2019/2020 ACADEMIC YEAR

JS2 BASIC SCIENCE

1. Produce a sand paper of length 70mm and 60mm with a paper base carton. Material dried sand. Glue etc
2. Explain electricity and its transmission, system component
3. Visit a building site and observe the site preparation, setting out and tools. Explain how one can start off a building

JS2 MUSIC

1. List the Italian terms and signs used in musical interpretation
2. Briefly narrate short note on the early form of music
3. List 5 examples of popular music

JS2 C R S:

1. The resurrection of Jesus. Mtt 28: 1 – 10, Mk 16: 1 – 8 , Lk 24: 1 – 12
2. Appearances of Jesus. Mtt 28: 16 – 20 , Mk 16: 9 – 18 , Jn 21: 1 – 14 , Lk 24 : 13 – 49.
3. The Ascension of Jesus Christ

i. The great commission. Mtt 28 : 16 – 20 , Mk 16: 15 – 18 (ii) The Ascension of Jesus into Heaven

Mk 16: 20 , Lk 24 : 50 – 53

JS2 P H E

Draw the respiratory system and label correctly

JS2 CIVIC EDUCATION

Topic: Democracy

Meaning of democracy

Features of democracy

Democratic institutions and their functions

Importance of democracy

Pillars of democracy

JS2 MATHEMATICS

1. A cone and a cylinder have equal volumes and bases of the same diameter if the height of the cone is 27cm, what is the height of the cylinder

2. Out of 10 students, the favourite drink of seven is coke and the favourite drink of the rest is fanta. One of the students is chosen at random. What is the probability that the favourite drink of the student is

(a) coke (b) fanta (c) neither coke nor fanta (d) either coke or fanta?

JS2 IGBO

(a) Gini bu Akaoru?

(b) Olee uru di n'akaoru?

(ch) Deputa akaoru ise i maara ma kowa maka ha nke oma

JS2 ENGLISH LANGUAGE

Using the dialogue method, discuss fully under two pages (only) "The Life of Rachel Okafor in the drama Beyond the Gift".

JS2 FRENCH

1. Using your internet write any four ways by which the teaching and learning of French could be made easier, cite your source of information

2. Using your English / French dictionary make a list of ten things one could see in the house write in French and English

JS2 AGRICULTURAL SCIENCE

In not less than four full pages, write an food and nutrition indication the risk factors in purchasing, the factors to consider when purchasing food and methods of food preservation as well as food storage.

JS2 CCA

1. Draw and paint any subject of your choice
2. Using any colour of your choice produce a monochromatic colour chart

JS2 SOCIAL STUDIES

1. What is the meaning of resource ?
- b. Explain the two types of resource,
- c. Mention five raw materials and their uses

JS2 BUSINESS STUDIES

1. Define cash book
- a. Record the following transaction in a single column cash book of victor and sons ltd. As at 31st January 2020 N

Jan 1 started business with cash 20000

2 sold goods on cash 5000

3 sold goods on cash 3000

3 paid rent for cash 4000

4 paid uche cash of 2000

7 received cash from obi 1500

15 bought office equipment 2000

22 sold goods to vin 3000

28 paid transport 1000

29 cash sales 2000

2. List the eight universal consumer right

JS2 CAT

Discuss in fill the sacraments of the church

COMPUTER JSS2

1. Define internet
2. Using a web browser draw and label internet environment

JS2 LATIN

20 Latin quotations and its meaning

SS1 RESEARCH TOPICS FOR THIRD TERM 2019/2020 ACADEMIC YEAR

SS1 CIVIC EDUCATION

1. Define Orderliness
2. State 6 ways of exhibiting orderliness in the society
3. What is constituted Authority
4. Highlight six advantages of constituted authority _

SS1 BIOLOGY

Sense organs: structure and function of the:

(a) Eye (b) Ear (c) Nose (d) Tongue (e) Skin _

SS1 MATHEMATICS

(a) Copy and complete the table with $y = 4 + 2x - x^2$

x	- 2	- 1	0	1	2	3	4
y			4		4		- 4

(b) Draw the graph of $y = 4 + 2x - x^2$ and use the graph to solve the equation $4 + 2x - x^2 = 0$

(c) Find the value of x for which y is the maximum of $4 + 2x - x^2$

(d) What is the value of x when $y = 2.4$?

(e) Use the graph to find the equations $y = 4 + 2x - x^2$ and $y = 2 - x$

NB: Chose a scale of 2cm to 1 unit on x - axis and 1cm to 1 unit on y - axis.

SS1 ENGLISH LANGUAGE

Research and write in sequence the following tenses in English language

1. Simple present tense (2) present continuous tense (3) Simple past tense (4) Past continuous (5) present perfect tense (6) Present perfect continuous tense (7) past perfect (8) past perfect continuous (9) future perfect (10) future perfect tense (11) simple future tense (12) future continuous

SS1 GOVERNMENT

TOPIC: differences between monarchy and republicanism

SS1 GEOGRAPHY

1. Study the atlas and prepare for defense

Note: you are to study only the page which correspond or is the same with your examination number, E.g A student whose examination number is "4" will study one page 4 of the Atlas and it will be followed that way to the very last person in the class.

2. Students whose examination numbers are 12 and 3 will study the pages 86, 87 and 88 the atlas for both classes (that is SSI AND SS 2).

SS1 CRS

1. Narrate the story of Daniel in which his faith was put to test

2. Write out the bible quotation to support your answer to question above

SS1 CAT

Write in details the Lord teaching on prayer and temptation

SS1 PHYSICS

1. A catapult consists of a rubber band of unscratched length 0.2m. The rubber band is stretched by 0.10m by a tension of 50N. A stone of mass 0.060kg is projected vertically upwards from the catapult after the rubber band has been stretched to a total length of 0.35m. Calculate the energy stored in the stretched catapult, and determine the maximum height reached by the stone. You may neglect an resistance.

2. Explain why metals with large values of young's modulus tend to have high melting points.

COMPUTER SS1

Define information processing.

State steps involved in information processing

State ancient and modern methods of information processing

Write about mode of information transmission.

Explain information transmission

SS1 LATIN

30 Latin quotations and its meaning

SS2 RESEARCH TOPICS FOR THIRD TERM 2019/2020 ACADEMIC YEAR

COMPUTER SS2

Discuss on database management.

Draw a well labeled background of MS Access

Discuss the following Table and report in MS Access

[2019](#)

JS1 RESEARCH TOPICS FOR THIRD TERM 2018/2019 ACADEMIC YEAR

JS1 P H E

Draw and label correctly the volleyball pitch

Discuss the origin and skills of volleyball

JS1 AGRIC SCIENCE

Write on the production of cleaning agents indicating the types, uses and preparation of some cleaning agents like home-made polish (in not less than four pages)

JS1 FRENCH

1. 1. Using your English French dictionary or internet

Write ten places one could go to

Example – Lecole

2. 2. Draw and label parts of the body in French

JS1 SOCIAL STUDIES

1i. Discuss five contemporary social problems in Nigeria

i. ii. Explain the effects of social problems

iii. Suggest some good measures for overcoming the problems

JS1 ENGLISH LANGUAGE

Write 30 nouns and their opposites

JS1 BASIC TECHNOLOGY

1a. Discuss maintenance

a. b. Explain types of maintenance practices

b. c. Importance of maintenance

c. d. Care and maintenance of woodwork hand tools

JS1 CIVIC EDUCATION

1. 1. Meaning – citizenship

Types

Process of becoming citizens of Nigeria

Ways of losing citizenship

Differences between rights and duties of a citizen

Qualities of a good citizen

JS1 C R S

Topic:

1. 1. Relationship in the community (a) What is community (b) Identification of the names of community leaders (c) Ways of sustaining relationship in the community

2. Relationship in the church (a) What is church? (b) Identification of the names church leaders (c) Ways to maintain relationship in the church (matt 25:31 – 46) (Rom 12 : 9 – 21) (1 Peter 3: 8 – 13, (Rom 13: 1 – 7)

JS1 MUSIC

1. 1. Explanation of a recorder

The uses of a recorder

Steps in playing the recorder

2. 2. Uses of music

State the positive impact of music in the society

Negative impact / effects of music in the society

JS1 BASIC SCIENCE

1. 1. Meaning and types of forces: (a) Contact forces (b) Non-contact forces
2. 2. Gravitation and weightlessness, effects of gravitational pull
3. 3. Space travel. (Discuss)

JS1 CAT

1. 1. Oratio Dominica (Our father)
2. 2. Assumption

JS1 IGBO

Akuko Ifo

- (a) Gini bu Akuko Ifo?
- (b) Olee mgbe e ji akokari akuko ifo
- (ch) Olee agwa na-adi n'akuko ifo
- (d) Deputa akuko ifo abuo i maara
- (e) Dee uru akuko ifo bara

JS1 MATHEMATICS

1. 1. A transport company has six lorries, four vans and two cars

- (a) How many vehicles does the transport company have?
- (b) Draw a pie chart to show how the vehicles are divided

2. Calculate in base two,

(a)
$$\begin{array}{r} 10011 \\ - 110 \\ \hline \end{array}$$

- (b) Find the square roots of the following leaving your answer in base two 11001_{two}

JS1 LATIN

- 1. Write out 40 Latin quotations
- 2. Choose 10 quotations out of them and write an essay

JS1 CCA

Government agencies established to fight pirates and makers of substandard goods aid and abet thin crime. Do you agree? Discuss your reason and elaborate your point.

JS1 BUSINESS STUDIES

Record the following transaction in the sales journals of Chisco Nig LTD, Owerri

1/6/14 sold to Okoye Eze 8 pieces of children's cap at N400 each

5/6/14 sold to Abel Johnson 2 pieces of French suit to at N6000 each

6/6/14 sold to Sam Igbo 3 pieces of ladies blouse at N2000 each

7/6/14 sold to Mrs. Ibe 2 pairs of ladies shoes at N1,500 each

5/6/14 sold to Sam Igbo 5 pieces of men shirt at N3000 each

- 2. What is Entrepreneurship?

Explain the meaning of Enterprise

Explain the meaning of self-employment

JS1 COMPUTER

Discuss what you know about M. S Paint Package

JS2 RESEARCH TOPICS FOR THIRD TERM 2018/2019 ACADEMIC YEAR

JS2 P H E

Discuss the causes and solutions to sports violence

JS2 AGRIC SCIENCE

Write on food and nutrition indicating the measures involved, perishable and non-perishable, factors to consider when purchasing food, food preservation and storage (in not less than four pages)

JS2 FRENCH

1. Using your English French dictionary or internet write 10 masculine nouns in French and ten feminine nouns in French

ex masculine noun

la chaise – the chair

2. Draw and label any three of them

JS2 SOCIAL STUDIES

- 1i. Explain the meaning of resources
- i. ii. Explain the types of resources
- iii. Mention seven (7) types of Raw material resources and their uses

JS2 ENGLISH LANGUAGE

Write in not more than 2 pages of your foolscap sheet

The topic: "My Easter Holiday".

JS2 BASIC TECHNOLOGY

- 1a. Discuss hydraulic and pneumatic machines
- a. b. Draw and explain the following hydraulic machines (i) Garden sprinkler (ii) Force pump (iii) Water wheel
- (iv) Hydraulic jack

- i. c. Draw and explain the following pneumatic machines (i) air compressor
- ii. d. State the advantages of hydraulic and pneumatic machines

JS2 CIVIC EDUCATION

1. 1. Meaning of democracy
2. 2. Features of democracy
3. 3. Democratic institutions and their functions
4. 4. Importance of democracy

JS2 MUSIC

Using the computer, research on the following instrument their fingering chart and print them on A4 paper,

(i) recorder (ii) Alto sax (iii) Trumpet (iv) Acoustic lead Guitter (v) Violin

JS2 BASIC SCIENCE

1. 1. Meaning of heat flow
2. 2. Differences existing among the followings (i) Conduction (ii) Convection (iii) Radiation
3. 3. Origin of crude oil and natural gas

JS2 CAT

Indulgences

JS2 IGBO

Nnyocha Akwukwo Ogugu "Mkpuru Onye Kuru"

- (a) Olee onye dere akwukwo a?
- (b) Olee ndi biputere akwukwo a?
- (ch) Olee agwa ndi no n' akwukwo?
- (d) Deputa ihe niile i maara maka akwukwo a?

SS1 RESEARCH TOPICS FOR THIRD TERM 2018/2019 ACADEMIC YEAR

SS1 PHYSICS

1. 1.

V

12V

40 QUOTE

40 QUOTE

1.2A

Calculate the total energy developed in 5 minutes by the system above

2. A battery of e.m.f 20 volts and internal resistance 50 Ohms is connected to a resistor of 35 ohms. Draw a diagram of the circuit and calculate the terminal p.d
3. Complete the following table assuming that the pieces of apparatus follow ohm's law.

Apparatus	Current p.d I v	Resistance in w	Power in w
Volt meter	10	500	
Mains lamp	0.1		100

SS1 COMPUTER

1. Discuss on information Age, stating (i) computing devices (ii) concept of number system in computing (iii) generations of computer: form 1st – 5th generations
2. Discuss on date and information, stating (i) Defintion of date and information (ii) ways of handling data (iii) types of date (iv) digitalization

SS1 CIVIC EDUCATION

Meaning of Universal declaration of human rights

Rights Documented in the UDHR

Seven core freedom of the UDHR

Roles of government in the promotion and protection of human rights

SS1 BIOLOGY

Topic: Growth

Discuss the topic under the following sub-headings

(i) meaning of growth in organism (ii) basis of growth, its types, stages and importance or role

(iii) aspect of growth (iv) regions of fastest growth in plants (v) influence of growth hormones and auxins

(vi) growth curvatures (tropisms)

SS1 IGBO

EDEMEDE

Ngalaba ihe omumu-omenaala

Isiokwu – Dee edemede opekata mpe ihu akwukwo ato gbasara otu uloakwukwo anyi siri mee mmemme ikwalite omenaala Igbo (cultural carnival) nke emere mgbe onwa abuo n’afọ gbara mkpuru ubochi iri na ise n’afọ puku abuo na iri na itoolu.

SS1 C R S

Make a note with (3) questions and answers and its bible quotations on the following topic

1. Supremacy of God (a) Religious tensions during Ahab’s reign (b) Elijah at Mount Carmel
2. Greed and its effects (a) Ahab (b) Gehazi
3. Religious reforms (a) the reign of king Josiah

SS1 CHEMISTRY

Hardness of water and removal of hardness

SS1 AGRIC SCIENCE

Topic: Formation, composition and properties of soil.

Write on the following sub-headings:

1. Explain four factors of soil formation.
2. Explain three processes of soil formation in details
3. Name three types of soil: write on their properties and their economic importance.
4. State six differences between sandy soil and clay soil.

5. 5. With the aid of diagram explain soil profile

SS1 ECONOMICS

Write Briefly on Business organization under the following headings:

Sole proprietorship

Features

Sources of capital

Partnership

Sources capital

Types of partnership

Rights of partners

Formation of partnership

SS1 GOVERNMENT

Topic: Political Liberty

(a) Definition etc. (Nccp 87 – 88)

(b) Factors that can safeguard the liberty of individuals (Nccp 88)

2. 2. Separation of powers

(a) Definition (b) Separation of powers in the presidential system

(c) Separation of powers in the cabinet system (Nccp 90)

SS1 MATHEMATICS

Answer all the questions fully

Maths

7 + QUOTE

5 QUOTE

3 QUOTE

11 QUOTE

30 – QUOTE

Account

9 QUOTE

Biology

21 – QUOTE

U = 85

How many students offer:

(i) Both mathematics and biology?

(ii) All the three subjects?

2. 2. Simplify: $8 + 3$

$7 \text{ QUOTE} + 1 \quad 4 \text{ QUOTE}$

SS1 GEOGRAPHY

1. 1. Environment (2) Environment resources (3) Environment problems / hazards
(4) Environment conservation

Note: The above research topics should be within in your notes.

SS1 FURTHER MATHS

120°

10cm

3cm

In the figure above, O is the center of two concentric circles of radii 13cm and 10cm respectively. Find in terms of π , the area of the shaded portion

SS1 ENGLISH LANGAUGE

1. 1. Explain Homophone
2. 2. Distinguish between (a) Homonyms (b) Heterographs (c) Homographs (d) Heteronyms
3. 3. What is possessive apostrophe?
4. 4. Explain the rules on how to use possessive apostrophe

SS1 CAT

1. 1. Sin and Devil
2. 2. Temptation

SS1 LIT-IN-ENGLISH

1. 1. To what extent does the setting of the work reflect traditionalism

(a) Write short note on the word traditionalism

SS1 LATIN

1. 1. Write out 50 English words and their Latin derivations and meanings
2. 2. Write out 10 Latin quotations and then make an essay with them

SS2 RESEARCH TOPICS FOR THIRD TERM 2018/2019 ACADEMIC YEAR

SS2 PHYSICS

1. 1. The displacement (QUOTE) of a particle vibrating with a simple harmonic motion is given by

$$\text{QUOTE} = 20\sin 100\pi t$$

Where QUOTE millimeter and t is in seconds calculate

- a. a. amplitude of oscillation
- b. b. angular velocity
- c. c. velocity at t = 0 seconds
- d. d. maximum velocity and acceleration
- e. 2. A particle undergoes simple harmonic motion with a an amplitude of 5cm and an angular velocity of

12 π rad s⁻¹ calculate:

- a. a. the maximum velocity
- b. b. the velocity when it is 2cm from the equilibrium position
- c. c. the maximum acceleration of the particle
- d. d. the period of oscillation.

SS2 ENGLISH LANGAUGE

Instruction: In English Language, some words have one syllable while some have two, three or more syllables. In pronouncing these words in speech, the syllables forming the words are not given equal attention ie some syllables are more prominent than others and they are therefore given more attention. Find out where the stresses of these words are placed with four example each.

- 1. 1. Words that end with ion, ic, ial, ian and ant
- 2. 2. Words that end in ate, ity and fy
- 3. 3. When a word of two syllables is used as both noun and a verb
- 4. 4. words that end in able, ible which are introduced by "im" and these not introduced by (im) eg perishable etc.
- 5. 5. Words that end in "ism" eg

3 syllable words

Four syllable words

Five syllable words etc.

6a. Nouns that end in – sis , - ity

- a. b. Verbs that end in – ize
- b. c. Abstract nouns that end in – ium or um
- c. d. Adecitives that end in 'ent' and nouns that end in 'ence'

(Do a thorough research on them)

SS2 COMPUTER

Discuss the (a) web design package? Stating

(i) definition (ii) uses (iii) components (iv) examples

2. 2. Discuss database management system stating

(i) definition (ii) uses (iii) examples of database application (iv) loading and exiting database management system (v) creating, saving and retrieving database files.

SS2 CIVIC EDUCATION

Traffic Regulations

Importance of traffic rules and regulations

Forms of traffic regulations

Traffic laws and regulations

SS2 BIOLOGY

Topic: Sense organs

Write on the structure and function of (i) eye (ii) ear

SS2 IGBO

Ihe Omumu Nke Nchoputa.

ISOKWU: Dee edemede opekata mpe ihu akwukwo ato gbasara otu e siri mee emume ntuliaka elu nke ndorondoro ochichi (election) nke ndi isi ala anyi bu Naijiria na nke ndi Govano na steeti anyi bu Imo nke e mere n'afọ puku abuo na iri na itoolu siri gaa n'aobodo gi nakwa otu okwe ha siri gbaa?

SS2 C R S

Make a note with questions and answers (1) for each topics and its bible quotations in your note book

1. Fellowship in the early church
2. The holy spirit and the mission to the Gentiles (a) The holy spirit at Pentecost (b) Mission to the Gentiles
3. Opposition to the Gospel Message

SS2 AGRIC SCIENCE

Topic: Anatomy and physiology of farm animals

1. With good labeled diagrams of the following farm animals: cattle, pig, explain the four major groups of the body of farm animals (head, thoracic cavity, abdominal cavity and the limbs)
2. Write on the digestive system of the following farm animals: cattle, pig, and fowl. (show diagram of the digestive system)
3. In a tabular form differentiate between monogastric and ruminant animals.
4. Write on the nervous system of a named farm animal (diagrams of the brain, neurone and a simple reflex arc is necessary)

SS2 ECONOMICS

Briefly write on industries in Nigeria under the following headings:

Introduction

Definition of industries, concepts

Plant or factory, firms/industries and industrial estate

Types of industries

SS2 GOVERNMENT

Topic: Separation of powers

(a) Meaning (b) Separation of powers in the presidential system of government (c) Separation of powers in the cabinet/ parliamentary system of government

2. 2. Checks and Balances

(a) Meaning (b) Merit of checks and balances

SS2 GEOGRAPHY

1. 1. Action of running water (rivers) (2) Action of winds in deserts (3) Glacial Actions in temperate regions of the world (4) Action of waves in coastal land forms (5) Greeks and koppen's climatic classifications.

Note: The above research topics should be written in your notes.

SS2 FURTHER MATHS

1a. What is integration

a. b. Evaluate the following integrals

(i) $\int \frac{1}{x^2} dx$ (ii) $\int \frac{1}{x^2 - 1} dx$
(iii) $\int \frac{1}{(x+2)^2} dx$

QUOTE 3

QUOTE 2

SS2 LIT-IN-ENGLISH

1. 1. Discuss Yaremi's former relationship with her late husband

(a) Discuss Yaremi's as the title character of the novel

SS2 CHEMISTRY

Raw materials for the chemical industries

Heavy and fine chemicals

SS2 MATHEMATICS

1. 1. 50 SSS 11 students of Urban Secondary School in Orlu have the following marks in mathematics

Mark	Frequency
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1 – 10	2
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11 – 20	3
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21 – 30	4
---------	---

31 – 40	6
---------	---

41 – 50	13
---------	----

51 – 60	10
---------	----

61 – 70	5
---------	---

71 – 80	3
---------	---

81 – 90	2
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91 – 100	2
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(a) Make a cumulative frequency table for the distribution

(b) Draw a cumulative frequency curve for the distribution

(c) Use the curve to estimate the lower quartile and the upper quartile.