

ST.PETER’S COLLEGE, GARAKU.

2023/2024 ACADEMIC SESSION: FIRST TERM TAKE HOME

ASSIGNMENT CLASS: J.S.S. 2- INSTRUCTIONS: ANSWER ALL QUESTIONS

ENGLISH STUDIES

1. Write a letter to your Uncle in another country telling him the things you need before resumption.
2. Read the following passage 'My Hometown' on page 32 of your course book and answer the questions on it.
3. What is a Noun?
 - a. Mention five examples of Common noun and five examples of Proper noun.
4. List the twenty vowel sounds in English language.

MATHEMATICS

1. Find the HCF of the following
(a) 8, 12 and 16 (b) 45, 60 and 150 (c) 288 and 324
2. Find the LCM of the following
a) 18, 24 and 30 (b) 212, 202 and 236 (c) 405 and 900
3. Copy and complete the table below.
The last one is done as an example.

	Fraction	Percentage
A	$\frac{1}{5}$	
B		15%
C	$\frac{5}{6}$	
d	$\frac{3}{4}$	75%

CIVIC EDUCATION

1. Define integrity. 1mk
 - a. Mention six attributes of integrity. 3mks.
 - c. State Three need for people of integrity in society .2mks
2. Define discipline . 1mks
 - b. Mention four attributes of discipline and explain One. 2mks.
 - c. Outline Four consequences of discipline. 2mks
3. Describe Three types of Courage. 2mks.
 - b. List Four attributes of a courageous person .2mks

BUSINESS STUDIES

- (a) Describe a reception office. (b) Who is a receptionist? Mention two (2) qualities of a receptionist
- State and briefly explain three(3) types of correspondence records
- (a) Briefly explain an office documents. (b) List two types of office documents.

BASIC TECHNOLOGY

1. a What is first aid?.....2 marks
- 1b. List three materials required in a home-assembled first aid kit
- 2a. What is rescue operation?.....2marks
3. List four uses of brass...4marks
4. State four uses of rubber products.....4 marks

SECURITY EDUCATION

1. Mention three ways of reporting crimes in the society
2. State three ways of observing crimes in the environment
3. Identify two ways of responding to crimes
4. List and explain two functions of the following Nigerian security agents
 - a. The Nigerian Police force
 - b. The Nigerian Armed forces
 - c. The Nigerian Immigration service
 - d. The Nigerian Custom service

PRE- VOCATIONAL STUDIES Answer three question

1. Draw a plant showing its three major parts.
2. a. What are monocotyledons?
 - b. State three characteristics of monocotyledons.
- 3a. What are sexually transmitted diseases?
 - b. State three common signs of sexuality transmitted diseases.
- 4a. Explain family goals.
 - b. Name any four goals your family wants to achieve next year.

SOCIAL STUDIES

1. List four general objectives of social studies
2. What is the meaning of family bond?
3. State four advantages of living together in a family
4. Explain the following types of marriage
 - i. Monogamy
 - ii Polygamy
 - iii Polyandry
 - iv Child marriage
 - v. Levirate marriage

FRENCH

- 1a. Mentionnez 6 prepositions françaises. 3mks
- 1b. Mentinnez 4 points cardinaux. 2mks
- 2.Où se trouve les lieux souivants. I. La banque central du Nigéria. II. La France. III. La ville de Lagos. IV. Obudu Cattle Range. V. St' Peter's College, Garaku. (start your answer with; Il se trouve à/Elle se trouve à/the plac se trouve à/en)5mks
- 3a.Mentionnez 5 moyens de transport. 2.5 mks
- 3a.Conjuguez le verbe"avoir"auprésent. 2.5 mks

C.R.S ANSWER ANY TWO QUESTION

1. Discuss the significance of the announcement of the birth of Jesus
2. State the importance of the presentation of Jesus in the temple
3. Explain who qualifies as true member of Jesus family

CULTURAL CREATIVE ART

1. Mention and explain (4) four element of art
 - (ib)Define element s of art
2. Identify various art materials and art tools
 - (b) What is improvisation
3. Explain four (4) classifications of color (b) What is colour wheel.
4. Write the short explanation of the following (i)hue (ii) intensity (iii) tone
 - (b). Define pattern and design

BASIC SCIENCE

1. Illustrate a food chain using the following information (flowers, hen, eagle, insect) (2marks)
- 1b. Give one example of the following relationships among organism in the environment
 - (i) Symbiosis
 - (ii) Parasitism (2marks).
- 2a. Name the three main regions of the brain with their functions (3marks)
- 3a. Mention three organisms each that can be found in
 - (i) A terrestrial habitat
 - (ii) An Arboreal habitat. (3marks)
- 3b. What is a habitat? (2marks).
- 4a. List three characteristics of primates. (3marks)

LITERATURE – ENGLISH

1. Write short notes on the following figures of speech:
 - a)Apostrophe
 - b. Euphemism
 - c.Onomatopoeia
 - d Simile
 - e. Metaphor
2. List five themes in the text 'The Clock' by Ngozi Chima and explain two.
3. Discuss three poetic devices used in the poem “ The Mirror” by Angus Obinna Chukwuka.
4. Mention five characters and their roles in ' Addiction' by Nicole Bertram.

HISTORY

Read CHAPTER 1 of Jss2 History workbook (mind exploits history studies)

HAUSA

1. Mene ne was an kwaikwayo?
2. Zayyana rabe –raben was an kwaikwayo
3. Mene ne rubutu zube?
4. Bayyana nau'o;in rubutun zube

DOCTRINE

1. Why are we commanded to rest from servile works?
2. State 5 things that are forbidden by the fifth commandment
3. What does the first commandment commands us to do
4. What does the seventh commandment forbids?

ST.PETER'S COLLEGE, GARAKU.

2023/2024 ACADEMIC SESSION: FIRST TERM TAKE HOME

ASSIGNMENT CLASS: J.S.S. 3- INSTRUCTIONS: ANSWER ALL QUESTIONS

MATHEMATICS

1. Convert 124five to binary
2. The product of a certain number and 5 is added to 3. If the result is 2, find the number.
3. If 40 students can consume 100kg bag of beans in 6 weeks, how long will the bag of beans last for 60 students?
4. Find the simple interest on ₦15,000 for 3 years at 10% per annum.
5. Expand and simplify $6(y+3) + 2(y-1)$

ENGLISH STUDIES

1. Write a letter to your father on your chosen career, stating three reasons for your decision.
2. Define an adverbial.
 - a. List the types of adverbials you know and explain them.
3. List all the vowel sounds you know and give one example for each.

CIVIC EDUCATION

1. Define constitution. 1mk
 - a. Mention Two forms of constitutions. 1mk.
 - b. Outline Six sources of constitution. 3mks.
2. Discuss Four features of independent constitution (2mks)
 - a. Give Six reasons why constitution is supreme . 3mks
3. Define right attitude to work.(1mk)
 - a. Mention Four attributes of right attitude to work (2mks)
 - b. Outline Four consequences of not having the right attitude to work (2mks)

INFO TECH

1. What is full name for virus and explain how virus is spread from one computer to another
2. Use the internet, search for 4 types of educational software
3. Explain the benefits of educational software

BUSINESS STUDIES

1. (a) Define office procedure. (b) Briefly explain the meaning of: (i) bills (ii) invoice (iii) receipt
2. List and explain three roles of the wages and salaries unit in an office
3. (a) Define office machines and equipment. (b) Mention five machines and equipment used in an office (a) Define office procedure. (b) Briefly explain the meaning of: (i) bills (ii) invoice (iii) receipt
4. List and explain three roles of the wages and salaries unit in an office (a)
5. Define office machines and equipment. (b) Mention five machines and equipment used in an office

HISTORY

Read CHAPTER 1 of Jss3 History workbook (mind exploits history studies)

PRE- VOCATIONAL STUDIES

- 1a. Define packaging/1mk
 - a. List two examples of local packaging materials/2mks
 - b. List two medium or channels of advertising farm produce/2mks
- 2a. Define consumer rights/2mks
 - a. State two Procedures for Seeking redress by the consumer/3mks
- 3a. Explain the meaning of equilibrium price/2mks
 - a. State three conditions that are necessary for child development/3mks

BASIC TECHNOLOGY

1. What is seasoning?.....2 marks
2. Different between natural and artificial defects in wood
3. What is smelting in metal production?.....2 marks
 - a. List four methods of processing metals....4 marks
4. State 3 main products of cement.....3 marks

SECURITY EDUCATION

- 1a. List four common crimes in Nigeria
- 1b. State the punishments of these crimes.
2. Explain the meaning of the following common crimes in Nigeria
 - a. Treason (b) Conspiracy (c) Rape
 - d. Theft e. Drug trafficking Theft e. Drug trafficking
3. Discuss the meaning of food contamination and adulteration.
4. State four ways of avoiding criminal behaviours

SOCIAL STUDIES

1. Explain contents of social studies.
2. Explain the following components of social studies contents
 - a. facts b. concept c. generalization Facts b Concepts
 - c. Generalizations Facts b Concepts c. Generalizations
 - d. Skills e. Values f. Attitude
3. Define human trafficking.
4. List four and explain two harmful traditional practices in Nigeria.

BASIC SCIENCE

1. A man with a heterozygous fat body with the gene(Bb) marries a woman with a homozygous slim body with the gene (bb). If they are to produce four children, predict the size of their offspring. Show the phenotypic ratio (5marks)
- 1b. State two (2) importance of family traits (2marks)
- 1c. Mention three effects of soil erosion (3marks)
- 1d. With the aid of a diagram describe any drainage pattern of your choice (3marks)

HAUSA

1. Me ake nufi da insha'i?
2. Bad a ire-iren ishai guda shida
3. Yi bayani kan uku daga cikin ire-iren insha'i
4. B da sigogin insha'i guda uku

DOCTRINE

- 1a Define Sacramental's (b) Explain why the Catholic church encourages the use of sacramental's
- 2a. Define Conscience (b) List 4 types of conscience (c) Explain 2 types of conscience listed in b above
3. List and explain the 4 marks of the Catholic Church.
- 4.State 2 reasons why the Catholic Church attaches great devotion to the Blessed Virgin Mary

C.R.S

1. Explain why Jesus Promised the Holy Spirit to the disciples
- 2 State three activities which the early church engaged in together
3. Give three reasons for the arrest of Peter and John.

FRENCH

1. Présentez ton père en 5 phrases. 5mks
2. 2a. Mentionnez 5 verbes pronominaux. 2.5 mks (b). Conjuguez le verbe "se laver" au présent. 2.5 mks
- 3a. Mentionnez 5 paysages. 2.5 mks
- 3b Donnez les participles passés des verbes suivants. i. Avoir. ii.Finir. iii.Lire. iv.Aller. v. Apprendre. 2.5 mks

LITERATURE – IN ENGLISH

1. Write short notes on the following literary terms:
 - a) Fable b. Folktale c. Biography d. Autobiography e. Farce
2. Discuss the theme of Corruption in the text, 'The Thinking Head' by Akeem Ajibade.
3. Explain any three poetic devices used in the poem ' Death' by Oiwona Andrew.
4. Discuss the roles and characters of the following persons in the text, Stigma. A. Tiwa b. Nkiru c. Lanre d. MrsOkechukwu

CULTURAL AND CREATIVE ART

- 1A. State the importance of preserving art and culture (b) Identify areas in Nigeria associated with particular traditional art work
- 2a. Define contemporary Nigerian arts
 - (b) Mention five names of Nigeria contemporary artist
- 3a. What is motif ? 3b. List and explain three types of motif
- 4a. Define Exhibition (b) List four (4) function of exhibition

ST.PETER'S COLLEGE, GARAKU.

2023/2024 ACADEMIC SESSION: FIRST TERM TAKE HOME

ASSIGNMENT CLASS: .S.S. 2- INSTRUCTIONS: ANSWER ALL QUESTION

MATHEMATICS

1. The 16th term of an A.P is 93 and its common difference is 6. Find the first term of the A.P and hence, calculate the 30th term of the A.P
2. Use logarithms table to evaluate $\frac{13.95 \times 364}{4.32}$
3. Solve the equation $\frac{9^{2x-3}}{3^{x+3}} = 1$
4. Solve the equation $a^2 + 4a - 21 = 0$ by completing the square method

ENGLISH ESSAY

1. Read the comprehension passage at page 39 of your textbook "the origin of examination" and answer the questions from a- f
2. Define Noun phrase.
State the functions of Noun phrase.
3. Write a well punctuated essay on how you spent your holiday

CIVIC EDUCATION

1. A) Define Citizenship Education
B) Mention five duties and obligations of citizens to their communities
C) Describe three factors that help to promote national Consciousness, integrity and unity in Nigeria
2. A) Describe five methods political parties adopt to canvass for votes from the people
B) Explain five importance of employment in alleviating poverty in Nigeria
3. A) Define political apathy
B) Explain five reasons for political apathy in Nigeria
C) Enumerate five reasons why political leaders fail to protect the interest of their followers
4. (A) Define capitalist democracy
B. State four characteristics of capitalist democracy

AGRIC SCIENCE Answer two questions only.

- 1a. What is agricultural ecology?
b. Discuss two components of farm ecosystem in details.
2. Discuss the climatic factors affecting Agricultural production
- 3a. Define a rock.
b. Describe the process of formation of igneous rocks.

ECONOMICS

1. State the advantages and disadvantages of range
2. Solve the simultaneous equation using elimination method (a) $6x + 8y = 35$ (b) $4x - 2y = 6$
3. Solve the simultaneous equation using substitution method. (a) $x + 2y = 13$ (b) $3x - y = 14$
4. State advantages and disadvantages of standard deviation
5. State and explain the Laws of demand and supply

CHEMISTRY

- 1 a. State the periodic laws
1 b. State the families in the periodic table with three examples each
2. State and explain the factors that affects the rate of a chemical reaction
- 3 a. State Le Chateliers principles
b. Define mole, molar mass and molar volume
- 4 a. What is a standard solution
b. Differentiate between a weak and strong acid
c. Define water

COMMERECE

1. List and explain 5 documents used in connection with transportation.
2. Enumerate and explain 5 services provided by the Nigerian Postal Services (NIPOST).
3. What similarities and differences exist between trade associations and chamber of commerce?
4. Explain briefly the following:
(i) consortium (ii) cartel (iii) trust (iv) holding companies.

ANIMAL HUSBANDRY

1. Discuss and draw five fishing gears
2. Explain ten(10) reasons for processing farm animals products
3. State five(5) economics importance of milk
4. Give Nine(9) steps for processing of butter
5. Discuss the four(4) step for processing of wood and fur

C.R.S

1. State God's conditions for the gathering of Manna in the wilderness (b) Enumerate different ways by which God guided the Israelites during their wilderness wandering
2. State 2 reason why God blamed Eli over the misconduct of his children
 1. Narrate one instance of God's miraculous protection of the Israelites
 2. State the prevailing conditions that produced and enhanced Deborah successful leadership.

BIOLOGY

1. Draw and label the alimentary system of (a) Bird (b) Cockroach
2. Make a labeled diagram to illustrate the mammalian
3. Explain these terms briefly with examples (a) Annual (b) Biennial (c) Perennial

LITERATURE IN ENGLISH

1. Compare and contrast the genres of poetry
2. State the plot summary of the play "once upon an elephant"
3. State why the play "Antony and Cleopatra" is a tragedy
4. Write on ten importance of literature

GOVERNMENT

- 1a. Define and explain the types of franchise and limited or restricted franchise
- 1b. Should voting be made compulsory? If yes explain, if no discuss
- 1c. Discuss the merits and demerits of universal adult suffrage.
- 2a. Define and state the features and requirements of a good electoral system
- 2b. Discuss the function of electoral commission
- 2c. What is electoral constituency?
- 3a. What is civil service
- 3b. state the functions of civil service
- 3c. Discuss the problems and challenges that confronting civil service in Nigeria.

COMPUTER STUDIES

- 1a. State the function of ALU and control unit
- 1b. explain the primary and secondary memory.
- 2a. What is Logic gate?
- 2b. List and explain the three basic types of logic unit.
- 3a. What is data conversion? 3b. state the differences between Register and main memory
4. State three factors affecting the speed of data transfer.

PHYSICS

1. Using a well illustrated diagram, describe the operational principle of the Six's thermometer.
2. New School Physics- Page 215, Qs. 15
3. Distinguish between specific heat capacity and specific latent heat.
4. Write short notes on the following:
 - a. Mist and fog (b.) Dew (c.) Regulation
 - (d.) Polarization of wave

GEOGRAPHY

1. Draw an outline map of Nigeria on the map show and name: (i) The position of tropical maritime air mass (south-west winds) in July (ii) The position of tropical convergence zone (I. T. C. Z) in July (iii) The relative position of inter-tropical continental air mass (North- East winds) in July
2. State four (4) characteristics of wet season in Nigeria

FURTHER MATHEMATICS

1. Solve the quadratic equation $x^2 + 2x - 15 = 0$
By (i) factorization method (ii) Completing the square method
(iii) Formula method
2. if $\alpha + \beta$ are the roots of $2x^2 + 3x - 1 = 0$
find the values of
(i) $\alpha + \beta$ (ii) $\alpha \beta$ (iii) $\frac{1}{\alpha^2} + \frac{1}{\beta^2}$ (iv) $\alpha^2 + \beta^2$

ST.PETER'S COLLEGE, GARAKU.

2023/2024 ACADEMIC SESSION: SECOND TERM TAKE HOME

ASSIGNMENT CLASS: .S.S. 3- INSTRUCTIONS: ANSWER ALL QUESTION

ENGLISH LANGUAGE

1. As the head boy of your college, write a speech to be delivered on the occasion of the bishop's visit to your school. 450 words.
2. Read the summary passage on "Street Begging" from your New Oxford English, page 34 (4th edition) and answer the questions on it.
3. i. Give the grammatical names and
ii. The functions of the underlined sentences below:
 - a. The man who called is a professor. b. These are the keys which I lost.
 - c. The girl whose uncle died went home.
 - d. I would call you if I had your line.
 - e. Whoever insults me gets beaten.

MATHEMATICS

1. Find the inverse of the matrix
Where $A = \begin{bmatrix} 6 & 11 \\ 1 & 2 \end{bmatrix}$
Hence, solve the matrix equation
 $AX = B$
Where $X = \begin{pmatrix} x \\ y \end{pmatrix}$ and $b = \begin{pmatrix} 29 \\ 5 \end{pmatrix}$
2. An aircraft flies from P (12°N , 11°W) to Q (12°N , 11°E) in 2 hours and then changes its course and arrives at S (44°N , 11°E) in 6 hours after leaving Q calculate, correct to 3 significant figures, the;
 - a. Total distance covered
 - b. Average speed of the aircraft
 - c. Time difference between Q and S (Use $\pi = 3.142$ and $R = 6,400\text{Km}$)
3. Find the derivative of $Y = \sqrt{1 - 2x^3}$

BIOLOGY

1. Define and describe the process of osmo –regulation
2. Make a well labeled structure to illustrate the dialysis machine (b) Explain the operation (the use of dialysis machine
3. Make a labeled diagram to illustrate the vertical section of the mammalian skin.

COMMERCE

1. State the objectives of business. What is social responsibility of business.
2. State and explain the components of "Marketing Mix"
3. What is consumerism?
4. Write short notes on the following:
 - (i) Nationalization (ii) Indigenization (iii) Commercialization
 - (iii) Privatization

ECONOMICS

1. Make a list of ten acronyms of international economic organizations and their meanings stating the year of formation.
2. What is the circular flow of income? Draw a diagram to illustrate it.
3. Explain the relationship amongst Saving, Investment and Consumption.
4. Differentiate between Commercialization and Privatization.

COMPUTER STUDIES

- 1a. Define Networking. 1b. with the aid of diagram, explain the four types of Network topology
2. Write a brief note on the followings;
 - i. WW ii. Network Cables and Connect iii. Computer cables and connector
- 3a. What is Database?
- 3b. Explain manual and computerized database
- 4a. what is graphic package? 4b. Define data representation.

C.R.S

1. State 5 reasons why Jesus though sinless, accepted to be baptized by John the Baptist
2. State the significance of each of the temptations of Jesus
3. List 5 factors to consider before choosing to be a disciple
4. State the differences in the synoptic accounts of the mission of the 12
List 5 factors to consider before choosing to be A disciple

AGRICULTURAL SCIENCE Answer two questions in all.

- 1a Define a forest.
- b. Briefly discuss factors that can make a piece of land to be converted to a forest
2. Bring two ornamental plants to be planted on the school compound.
- 3a. Define a plant disease.
- b. Discuss the concept of a diseased triangle.

CIVIC EDUCATION

- 1A) Categorize and classify human rights into:
i Social ii Political iii Civic
B) Discuss four political rights of a citizen
- 2A) Mention five importances of elections
B) Identify and explain five causes of electoral malpractice in Nigeria
- 3A) List and discuss five reasons for the shortcomings in the Public Service B) Mention and explain five ways of improving the Public Service in Nigeria
4. Discuss five reasons why leaders fail to protect the interest of their followers in Nigeria
- 1.

LITERATURE IN ENGLISH

AFRICAN POETRY (A)

1. Give a detailed account of "The Grievous Land of Africa" by Agostinho Neto
2. "The Leader and the Led" by Niyi Osundare is about leadership in Africa discuss

NON- AFRICAN POETRY (B)

3. Write on any three poetic devices in "Batu" by D. H Lawrence
4. Discuss the journey motif in T.S Eliot "Journey of the Magi".

CHEMISTRY SS3

1. List the properties of crude oil and explain cracking
2. List five characteristics of metals and classify the first 30 elements of the periodic table into metals and non-metals
3. Give 3 methods of extraction of metals and discuss any one of your choice.
4. State five physical and chemical properties of Iron
5. State the causes of rusting and how to prevent it.

PHYSICS SS3

1. Derive an equation for the resonance frequency of an ac circuit
2. New School Physics- Page 469 Qs. 25
3. Distinguish between hard and soft X-rays
4. New School Physics- Page 491 Qs. 8b.

FURTHER MATHEMATICS (SS-3)

1. Use Cramer's rule to solve the systems of linear equations
(i) $3X - 2y + Z = 2$ (ii) $X + 3y + 4z = 19$
(iii) $5x + 4y - 3z = 4$
2. Find the term independent of x in the expansion of $(x^2 - 2/x)^6$
3. Find the derivative of $Y = x^2$ from first principle

ANIMAL HUSBANDRY

2. Define the following genetic terminologies
(a) Allelomorph (b) phenotype (c) Genotype
(d) Dominant character (e) Homozygous
3. State the Mendel's first law of inheritance
(b) Explain Dihybrid inheritance
4. Discuss the following (a) Pest (b) Pathogen
(c) Vectors (d) parasites
5. Explain Artificial insemination
Discuss trypanosomiasis under following headings (a) affected animals (b) causal organism (c) symptoms (e) mode of transmission (f) control