

Second Term 2011/2012 Vacation Assignments

Class: JS1

Subject: Basic Tech.

1. Define the following and state their S.I unit
 - (A) Power
 - (B) Force
 - (C) Energy
 - (D) Work
2. List seven forms of energy and their sources
3. Define the following and state their functions and units
 - (A) Resistor
 - (B) Capacitor
 - (C) Inductor
 - (D) Switch
4. (A) A boy lifted a 10kg box of material through 10m in 2 seconds. What is his power? (Take $g = 10\text{m/S}^2$)
 - (B) An electric water heater is rated 2KW, 240V.
 - (I) calculate the value of current it will draw when in operation
 - (II) Determine also its resistance.
5. (A) List four methods of emitting free electrons
 - (B) Make the schematic symbols of
 - (I) a diode tube
 - (II) A triode tube
 - (III) A gas discharge tube.

Subject: Computer studies

- 1
 - (a) Highlight the components of the system unity
 - (b) State the functions of each of the following
 - (i) Control Unit (CU)
 - (ii) Arithmetic and Logic Unit (ALU)
- 2 Describe the following
 - (a) Cold booting
 - (b) Warm booting
- 3
 - (a) State the steps involved in starting up the computer system
 - (c) State the steps involved in system's shutdown

Subject: Physical and Health Education

- 1 Define fundamental movements
- 2 List and explain the types of fundamental movements that we have with five (5) examples each
- 3 Briefly explain the history of gymnastics

- 4 Mention six (6) types of gymnastic activities with two (2) examples each
- 5 What is the meaning of a gymnast?
- 6 Enumerate five (5) requirements for a gymnasts
- 7 What is recreation?
- 8 List and explain the types of recreation with five (5) examples each
- 9 Mention ten (10) factors that limit the choice of recreation
- 10 Define the following:
 - (i) Food
 - (ii) Nutrition
 - (iii) Metabolism
 - (iv) Organic foods
 - (v) Inorganic foods

Subject: Basic Science

- 1 Describe how carnivores are adapted to their mode of feeding
- 2 Explain why a piece of paper falls slowly to the ground despite the force of gravity on it
- 3 Explain the dangers of space travel

Subject: Business studies

- [1a] Define production.
- [1b] List and explain four factors of production.
- [2a] Explain four forms of business organization.
- [2b] Explain how the four business organizations source for capital.

Subject: English Studies

Read the following passage below and answer the following questions that follow

The bus pulled into the bus station of a small town. I terribly was thirsty. I jumped out and rushed up to a vendor.

‘7up’, please quickly

‘Sorry, only coke and Pepsi’

I heard another vendor call ‘7up’ .I pushed roughly past two other customers.

The man told me he had just sold his last bottle of 7up .

Foolishly I was determined to get ‘7up’ and unluckily I saw another vendor on the other side of the car park. I ran over to him, bought a bottle and took two mouthfuls of cool liquid, before walking slowly back to the bus.

But was it? It had gone! I had lost my luggage and my place in the bus not my money.

QUESTIONS

1. Why did the writer jump out?

2. What was the first vendor selling?
3. Why didn't the writer buy a bottle of 7up from the second vendor?
4. What do you think the cool liquid was?
5. Why do think the writer had not lost his money?

B. Write the appropriate preposition to fill the following sentences.

6. The meeting began _____ 8'O clock.
7. The train will arrive _____ an hour's time.
8. She gave him a bowl _____ soup.
9. I'm sure I'm going _____ win.
10. The film lasted _____ two hours.

SUBJECT: FRENCH

Exercices de conge de paques

Completez les phrases suivantes avec la forme du verbe entre parenthesis.

Ex: Je (aller) en France la semaine prochaine

Answer: Je vais en France la semaine prochaine.

- (1) Nous (habiter) a Kaduna
- (2) Mohammed (travailler) a Lagos
- (3) Simi (etudier) a Londres
- (4) Vous m' (entendre)?
- (5) Ils (aller) a l'ecole coranique

Ecrivez le feminin des adjectifs suivants

- (6) Le garçon est intelligent, la fille est _____
- (7) Il est beau, elle est _____
- (8) Abel est gentil, Venice est _____
- (9) Papa est fatigue, Maman est plus _____
- (10) Erie est gros, Esther est _____

SUBJECT: YORUBA

- (A) Ko awon leta konsonanti yala aranmupe tabi airanmupe sita.
- (B) Ko awon leta faweeli, yala aranmupe tabi airanmupe sita.
- (C) Ko leta si ore kan ti o wa ni oke okun ki o si salaye igbeyawo kan ti o soju re bi o se larinrin to.

SUBJECT: AGRIC SCIENCE

1. Draw any 5 farm tools and their uses.

Subject: Mathematics

- Simplify the following to the shortest form
 - $3x - 5x + 8x - 36 + 6$
 - $9m - 7m - 3n + 9n$
 - $6x + 9 - 3y + 5$
 - $6g - 12k + 3g - 2g + 14k$
 - $10y - 7y - 6y + 13y$
 - $18p + 18 + 3x - 11$
 - $11x + 15 - 19x + y + 2y$
 - $8y - 3k + 6y + 9k - 3y - 4k$
 - $8a - 15 + 3b + 15 - 4a + 3b - 6b$
 - $9p + 3a + 7a + 2p - 12$
- Remove brackets from the following and simplify
 - $14 + (7 - 2p)$
 - $(m - 3n) + 3m$
 - $2m + (2n + 3m) - 5q$
 - $(5x - 5y) + 15y$
 - $(2x + 2y) + (x - y)$
 - $5x - 2 - (4x - 3)$
 - $6b - (2b - 5)$
 - $(4c + 3d) - (4c + d)$
 - $(2x + 3y + z) - (x + y + z)$
 - $(x - 3y) - (4y + 2x) - (x - y)$
- A pen costs #10 and a sharpener costs #x less #20 than a pen. Find the cost of a pen and a sharpener.
- A woman is x years old now. How old will she be in p years time?
- If two books cost #120. What is the cost of n such books?
- During one week, a man posted x letters with a #5 stamp each and y letters with a #12 stamp each. Find his postage bill for the week.
- In a test, Musa, Ade and Ngozi got x, y and z marks respectively. What was the total mark?

CRS

Mention 10 (ten) freedom fighters in Nigeria, present or past.

SOCIAL STUDIES

- Define and explain briefly social environment.
- Define and explain social organization.
- Discuss level of social organization.

