DOWEN COLLEGE LAGOS

HOLIDAY ASSIGNMENTS

JS 1 GOING TO JS 2

# FRENCH LANGUAGE

## INCOMING JS2 (JS1 – JS2)

Write ten sentences in French on the following essay topics:

1. Ma famille
2. Mon ami
3. Mon professeur
4. Ma mere

# HAUSA LANGUAGE

## JS1 TO JS2

1. Rubuta kayan yaki guda biyar,kayan kida guda biyar, sannan a zana guda biyu daga cikin kowanne


2. Karanta littafin littafin Zaman Duniya iyawa ne, Labari na 1 da na 2 sannan a yi takaitaccen bayani akai.

# INFORMATION AND COMMUNICATION TECHNOLOGY

1. _____refers to the internal method used to represent various types of data stored on a computer.

a. Data representation

b. Data integrity

c. Data science

d. Data focus

2. Which of the following is not a method of data representation?

a. ASCII

b. BCD

c. EDBIC

e. EBCDIC

3. Word is made up of _____bits?
   a. 16
   b. 8
   c. 4
   d. 2

4. Base 8 is also known as?
a. denary

b. hexadecimal

c. binary

d. octal

5. Nibble is made up of _____bits?
   a. 2
   b. 4
   c. 8
   d. 16

6. Which of the following is not an example of high level language?
   a. JAVA
   b. BASIC
   c. Python
   d. Assembly

7. Byte is made up of _____bits?
a. 16

b. 8

c. 4

d. 2

8. In hexadecimal system 13 is represented with_____?

a. D

b. B

c. E

d. C

9. Convert $101_2$ to base 10

a. 15

b. 8

c. 5

d. 2

10. Kilobyte is made up of___ bytes?

a. 10000

b. 1024

c. 100

d. 10

THEORY

1. Convert the following numbers to binary (base 2)

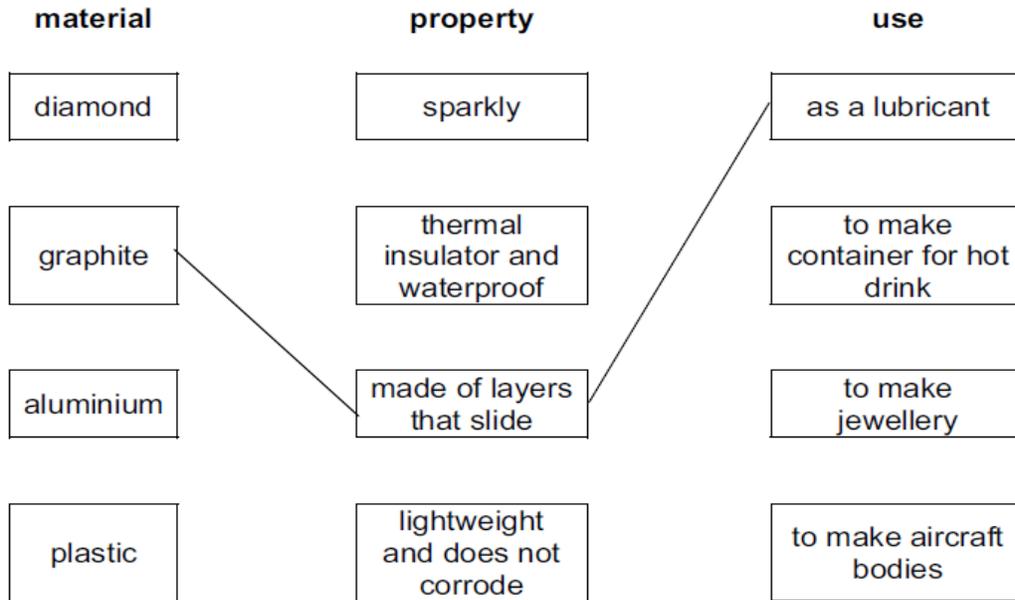a. $37_{10}$

b. $41_{10}$

2 a. Define programing language

_____
_____
_____
_____

b. Explain three levels/types of   programming language

_____
_____
_____
_____
_____

_____
_____
_____
_____
_____

_____
_____
_____
_____
_____

# IGBO LANGUAGE

JS1 - JS2.

1. Dee aha akuku ahu mmadu iri n'Igbo.

2. Dee aha akara edemede iri na akara ha n' Igbo.

**1. (a)** Different materials have different properties and uses.
Draw lines to connect each material to its property and each property to its use.
One has been done for you.

| material | property | use |
|----------|----------|-----|
| diamond | sparkly | as a lubricant |
| graphite | thermal insulator and waterproof | to make container for hot drink |
| aluminium | made of layers that slide | to make jewellery |
| plastic | lightweight and does not corrode | to make aircraft bodies |

[6]

**(b).** Planets orbit at different distances from the Sun.
Put the planets in the correct order of distance from the Sun.
The closest planet has been done for you.

| planet | order |
|--------|-------|
| Earth | |
| Mercury | 1 |
| Mars | |
| Saturn | |
| Neptune | |

[4]

**2.** The diagram shows the Earth moving around the Sun.
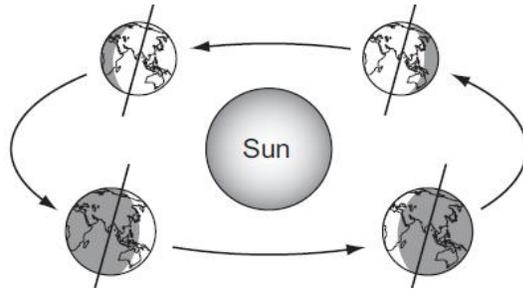


(a) What causes day and night on Earth? Tick (_) the correct box.

The Earth moves round the Sun once every 24 hours. ☐

The Earth spins on its axis once every 24 hours. ☐

The Sun moves round the Earth once every 24 hours. ☐

The Sun spins on its axis once every 24 hours. ☐ [1]

(b) Two students are discussing the Sun and the Moon.

Luca says: The Sun gives out light that it produces itself.

Anya says: The Moon does not give out light. It only reflects light from the Sun.

Who is correct? Tick (_) the correct box.

Luca only ☐

Anya only ☐

both Luca and Anya ☐

neither Luca nor Anya ☐ [1]

(c) Explain why the Sun appears to move in the sky during a day.

-----------------------------------------------------------------------------------------------------------------------------------
-------------------------------------------------------------------------------------------------------------[1]

(d) Which of the statements about particles in a solid are correct?

Tick (_) the three correct statements.

The particles in a solid are:

further apart than the particles in a liquid. ☐

further apart than the particles in a gas. ☐

able to vibrate about a fixed point. ☐

arranged in a more fixed pattern than particles in a liquid. ☐

not able to vibrate when they reach 0°C.                    ☐

able to vibrate more as they gain energy.                    ☐                    [3]

(e)

Put a tick (✔) in a box in each row to distinguish between plants and animals.

| Feature | Plant | Animal |
|---|---|---|
| Cannot make own food | | |
| Has cellulose for support | | |
| Has chlorophyll | | |
| Can move about | | |

[4]

3. (a) This list shows properties that different materials can have.

A magnetic                              E good conductor of heat

B can be compressed                     F poor conductor of heat

C very high melting point               G good conductor of electricity

D very low melting point                H non conductor of electricity

Write down the **letter** of the property that answers each of these questions.

(i) Which **two** properties from the list make aluminium suitable for cooking pans?

1.--------------------------------------------------------------------------------------------

2.--------------------------------------------------------------------------------------------          [2]

(ii) Which property from the list explains why a lot of oxygen gas can be pumped into a very small container?

------------------------------------------------------------------------------------------          [1]

(iii) Which property from the list explains why plastic makes a good material for the handleof a kettle?

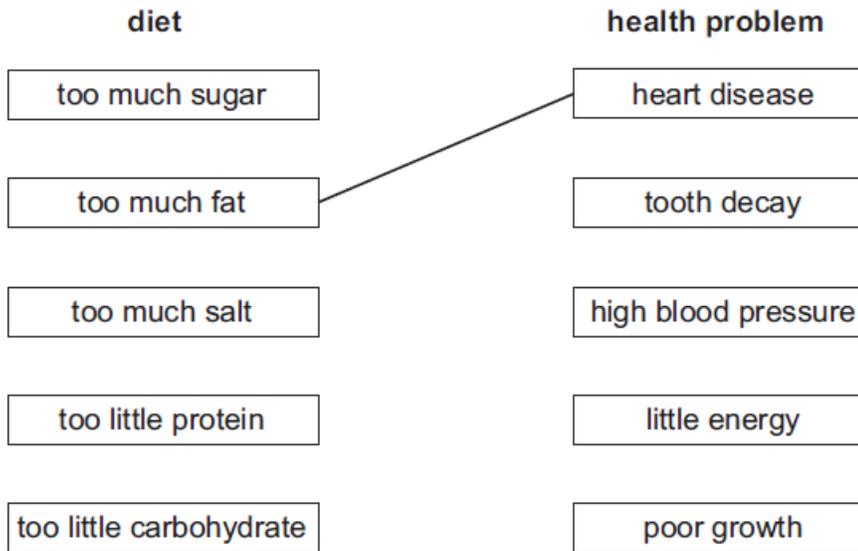------------------------------------------------------------------------------------------          [1]

(iv) Which property from the list explains why rubber is used to cover electrical wiring?

------------------------------------------------------------------------------------------          [1]

(b) Poor diets can cause health problems.
Draw a line between the **diet** and the **health problem**. One has been done for you.

|               |               |
|---------------|---------------|
| **diet**      | **health problem** |

| diet | | health problem |
|------|--|----------------|
| too much sugar | | heart disease |
| too much fat | | tooth decay |
| too much salt | | high blood pressure |
| too little protein | | little energy |
| too little carbohydrate | | poor growth |

[4]

(c) Underline the three words that can be used to classify a hawk.

reptile animal vertebrate          plant


bird               invertebrate          amphibian     mammal          [3]




**4.** The diagram shows a plant cell.
(a) Which **two** named parts are present in plant cells but not in animal cells?

chloroplast

cell membrane

cell wall
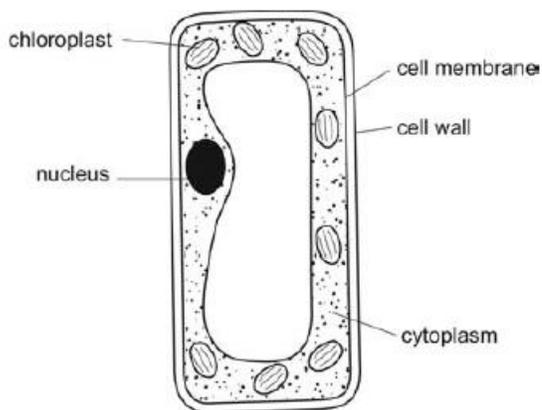
nucleus

cytoplasm

1.-----------------------------------------------------------------------

2.-----------------------------------------------------------------------          [2]

(b) Choose words from the list to complete the sentences below.

Membrane          wall          chloroplast          cytoplasm

nucleus

1. The------------------------  is a structure that contains genetic information.

2.The------------------------ is a structure in which photosynthesis takes place.          [2]

(c) Litmus is made from a plant pigment.

It is **red** when placed in an **acidic** solution.

It is **blue** when placed in an **alkaline** solution.

It is **purple** when **neutral.**

(i) What do we call substances that change colour like this?

----------------------------------------------------------------------          [1]

(ii) What colour would litmus be in a solution of pH 10?

----------------------------------------------------------------------          [1]

(iii) What colour would you expect litmus to be in pure water?

----------------------------------------------------------------------          [1]

(d) Maryam mixes an alkaline solution with orange juice.

What is the name of this reaction between an alkali and an acid?

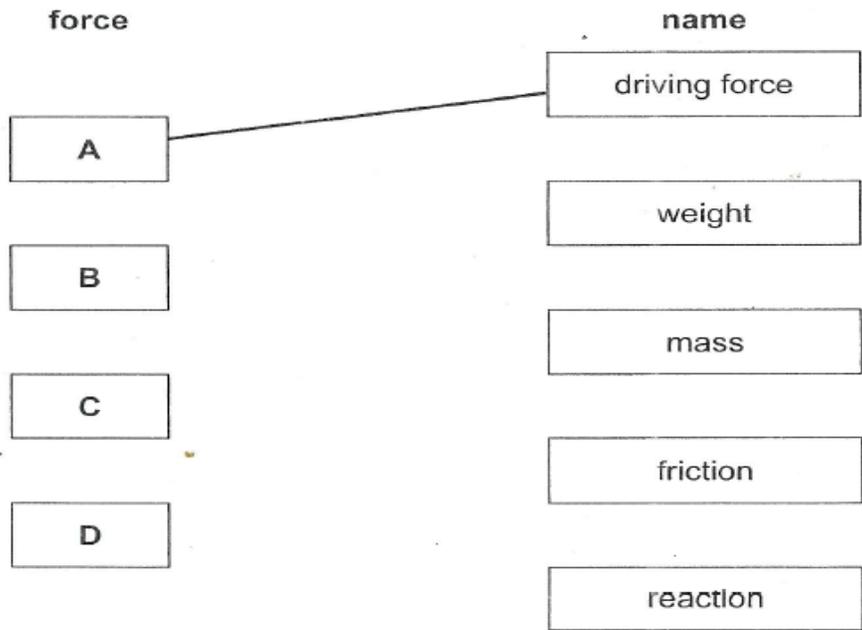----------------------------------------------------------------------          [1]

5.  The diagram shows four forces acting on a moving truck.
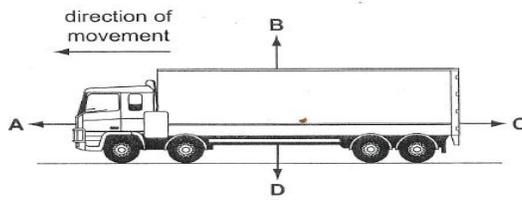


(i) What do you understand by the term force?  [1]

(ii) Draw a line from each force to its name. The first one has been done for you.

| force | | name |
|---|---|---|
| | | driving force |
| A | ———— | |
| | | weight |
| B | | |
| | | mass |
| C | | |
| | | friction |
| D | | |
| | | reaction |

(iii) The speed of the truck is increasing. Complete this sentence.

The speed of the truck is increasing because force A is ................. than force C.    [1]

(b) Read the article about Ferdinand Magellan who led the first voyage around the world.

Use the information in this article and your biological knowledge to answer the questions.

Magellan's Voyage. Proof that the World is round!

In 1519, Ferdinand Magellan sailed from Spain to find a western route to the Spice Islands. He took 237 men in five ships.

Each ship carried a supply of basic foods including cheese, flour, oil, meat and vegetables. There were also some live animals, including chickens.

The ships eventually reached the Spice Islands but only one continued the journey back to Spain. This was the Victoria. The sailors on the Victoria became very ill before they arrived home. They had bleeding gums and sores which would not heal. One sailor though, called Elcarno, used to eat a spoonful of fruit jam every day. He did not develop any of these symptoms.

Most of the sailors on the Victoria developed a deficiency disease called scurvy.

(i) Describe one symptom of scurvy.

----------------------------------------------------------------------------------------------------------[1]

(ii) What is the cause of scurvy?

-------------------------------------------------------------------------------------------[1]

(iii) Suggest why Elcarno did not develop this deficiency disease.

-------------------------------------------------------------------------------------------[1]

(iv) From the list of food supply taken along in the journey

------------------------------- is a source of carbohydrate and

------------------------------- is a source of protein.                                    [2]

# ISLAMIC STUDIES
TOTAL MARK: 100

SECTION 1 (OBJECTIVE TEST)    30MARKS
ANSWER ALL
(30MARKS)

ANSWER ALL QUESTIONS.

1. Day of Judgment is a day of distress and helplessness for who?
   a. Gentle persons
   b. God-fearing ones
   c. Loving ones
   d. unbelievers
2. *At-Tahaarah* means
   a. Ablution only
   b. Bathing only
   c. Inward purification
   d. Purification of body and soul
3. *Al Waduud* means The
   a. Forgiving
   b. Glorious
   c. Loving
   d. Majestic
4. Sayaslaa naaran dhaata lahab is a verse in from surah al-
   a. Alaq.
   b. Falaq
   c. Lahab
   d. Layl
5. Which of the following is not exempted from fasting?
   a. Driver
   b. Nursing mother
   c. Traveler
   d. Aged person
6. Alam yajdika yattiman fa'awa is the ………………verse of surah al-Duha
   a. Fourth.
   b. Fifth
   c. Sixth
   d. Seventh

7. Which of these creatures was created from light?
   a. Angel
   b. Jinn
   c. Mankind
   d. Shaytan

8. Translation of the term Al-Jalil means 'the
   a. Generous
   b. Most High
   c. Grand One
   d. Majestic

9. How many verses are contained in Surah al –Takathur?
   a. 4
   b. 8
   c. 6
   d. 10

10. Who among these prophets was placed in a small basket and thrown into the river?
    a. Yusuf
    b. Lukman
    c. Adam
    d. Musa.

11. Khadijah bore ………………………………. children for Prophet Muhammad (SAW)
    a. Two.
    b. Seven
    c. Six
    d. Three

12. The following conditions call for al-Ghusl i.e ritual bath in Islam EXCEPT
    a. Conversion to Islam
    b. Menstrual blood
    c. Sexual intercourse
    d. Intoxication

13. Muhammad (SAW) was born in the year of the
    a. Camel
    b. Cow
    c. Horse
    d. Elephant

14. The performance of Hajj is obligatory on
    a. Male Muslims only
    b. Muslims that can afford it
    c. All Muslims
    d. Government officials alone.
15. At what age did the Prophet (SAW) married Khadijah?
    a. 25
    b. 30
    c. 35
    d. 40
16. The attribute of Allah Al –Hakim stands for "The
    a. Beneficient
    b. Wise
    c. Merciful
    d. Generous.
17. The pillars of Islam consist of the following EXCEPT
    a. Hajj
    b. Sawm
    c. Zakah
    d. Jihad
18. Hajaral Aswad is called……………………stone.
    a. White
    b. Black
    c. High
    d. Large.
19. In the Qur'an, gambling is confirmed as
    a. Good act
    b. Interest
    c. Profitable business
    d. Hand work of shaytan
20. Al-Musawir, one of the Attributes of Allah means 'The
    a. Generous
    b. Protector
    c. Fashioner
    d. Maker.

21. What does a worshipper say in Rukuu position?
    a. Laa haula walaa kuwatta
    b. La ilaha illa Allah
    c. Subhaana Rabbiyal A'ala
    d. Subhana Rabbiyal Azim

22. If an animal is killed by a violent blow, it is
    a. Halal
    b. Makruhu
    c. Haram
    d. Mandub

23. The major teaching of Hadith NO.1 of Al Nawawi's collection is
    a. Innovation
    b. Intervention
    c. Invention
    d. Transaction.

24. The prayer that is performed when there is scarcity of rain is
    a. Tasbih
    b. Kusuf
    c. Istisqah
    d. Khawf.

25. Jinns are created out of
    a. Clay
    b. Water
    c. Sand
    d. Fire.

26. Tayammum is otherwise called………………ablution.
    a. Sand
    b. Wet
    c. Mud
    d. Pure

27. Salah al –Istisqaa is the same as the………………………..
    a. Mid-night prayer
    b. Moon eclipse prayer
    c. Prayer for rain
    d. Sun eclipse prayer.

28. What is the minimum number of worshippers that makes a congregational prayer?
    a. 1
    b. 2
    c. 3
    d. 5

29. Shrik i.e magic falls under …………………… in Islam.
    a. Halal
    b. Ikhlas
    c. Tawheed
    d. Shirk

30. Who is the leader of the Angels?
    a. Azrafil
    b. Jibril
    c. Mikail
    d. Ridwan.

31. Another name for Qur'an is………………………….
    a. Al-Hudah
    b. Al-Jannah
    c. Al- Munawwarah
    d. Al-Firdaus

32. Who was the leader during the Muslim's migration to Abyssinia?
    a. Abu Bakar
    b. Uthman Ibn Affan
    c. Umar ibn Khattab
    d. Ja'affar ibn Abi Talib

33. The revelation of the Holy Qur'an started while the prophet was meditating in ………………………
    a. Market.
    b. Cave Hira
    c. Cave Kilimanjaro
    d. Mount Arafat

34. Depending on the sitting of the Moon, the maximum number of days a Muslim should fast during Ramadan is……………….
    a. 29 or 30
    b. 30 or31
    c. 32 or33
    d. 33 or 34

35. Islam teaches …………… towards other people of different faith.
    a. Enmity
    b. Hatred
    c. Terrorism
    d. Tolerance.

36. The types of water suitable for ablution are
    a. Fountain, mud, stream
    b. Fountain, stream, mud
    c. Sea, fountain, mud
    d. Sea, stream, fountain.

37. The Riddah war resulted in the loss of many………………………
    a. Children
    b. Huffaz
    c. Khalifah
    d. Prophet

38. Uthman was the Khalifah whose tenure was accused of…………………………………
    a. Assassin
    b. Embezzlement
    c. Nepotism, favouritism and ethnicities
    d. Thief and robbery.

39. The followers of Prophet Muhammad (SAW)  to Madinah were called…………………. And those who received him at Madinah were called…………………………
    a. Al- Ansar and Ahmadiyyah
    b. Al-Muhajrun and Ahmadiyyah
    c. Al-Muhajirun and Ansar
    d. Al –Muhajirun and Al-Tijaniyyah.

40. In the Battle of Badr, only………………. Muslim soldiers participated.
    a. 300
    b. 313
    c. 400
    d. 500

41. Abdul Hamid thanked his mother for giving him #5.00. he is showing his…………………to his mother.
    a. Gratitude
    b. Kindness
    c. Love
    d. Obedience

42. Zaid ibn ……………………… Was the chief secretary of the committee who compiled the Holy qur'an.
    a. Abu Sufyan
    b. Thabit
    c. Harith
    d. Muhammad

43. The night of Majesty is best explained in suratul………………………
    a. Zilzillah
    b. Ikhlas
    c. Quraysh
    d. Qadr

44. According to Suratul Nas man should seek protection against…………………………..
    a. Evil of Jinn and men
    b. Extravagance
    c. Ill-gotten wealth
    d. Miserliness

45. A muslim community is expected to obey their leaders in accordance with the…………………..
    a. American policy
    b. National constitution
    c. Qur'an
    d. Qur'an and Hadith.

46. The Holy Qur'an is different from other books because it is…………………………
    a. Equal to Zaburah and was not revealed
    b. Revealed to prophet Musa and Muhammad (SAW)
    c. Holy and revealed to prophet Muhammad (SAW)
    d. Small and revealed to prophet Isa(ASW)

47. According to the Qur'an, Allah will forgive all sins EXCEPT
    a. Adultery
    b. Fornication
    c. Gambling
    d. Idolatory

48. Allah ordered all Angels to prostrate before…………………………
    a. Adam
    b. Lut
    c. Yaqub
    d. Yusuf

49. Suratul-Ikhlas is the …………………..surah of the Qur'an.
    a. 96th

b. 100<sup>th</sup>

c. 105<sup>th</sup>

d. 110<sup>th</sup>.

50. Allah created Adam out of ……………………………

    a. Clay

    b. Fire

    c. Light

    d. Sand.

51. The verse ma agna anhu maluhu wama kasab is from Suratul

    a. Adiyah

    b. Balad

    c. Lahab

    d. Masad

52. One of the following is not a quality required of an Imam.

    a. Beauty

    b. Being a man

    c. Free person

    d. Honesty

53. The Angel in charge of Hell fire is

    a. Malik

    b. Mikai'l

    c. Munkar

    d. Nakir.

54. Zakah is compulsory on the following except

    a. Camels

    b. Cows

    c. Goats

    d. Slaves

55. Zakaatul –fitr is given out in the month of

    a. Muharam

    b. Rajab

    c. Safar

    d. Shawwal

56. Suratul-Lahab consists of…………………verses.

    a. Four

    b. Five

    c. Six

    d. Seven

57. The prophet sent together with Musa (AS) was
    a. Adam
    b. Harun
    c. Isa
    d. Yahaya
58. The first *Hijrah* of Muslims was from Makkah to
    a. Abyssinia
    b. Madinah
    c. Syria
    d. Yathrib.
59. The period before the coming of Muhammad (SAW) is called
    a. Asabiyyah
    b. Hambaliyyah
    c. ilmiyyah
    d. jahiliyyah
60. Which of the following does not belong to the group?
    a. salat
    b. shari'a
    c. siyam
    d. tauhid.

### SECTION 2 (THEORY) 30MARKS
### ANSWER ANY *THREE* QUESTIONS.

1. Mention the names of **Khulafah Rashiduun** and explain in brief the contribution of any **ONE** of them to the growth of Islam.                    10mks.

2. **Write suratul –Humazah  in Arabic or transliteration and comment on it.**
                                        **10mks.**

3. Write and explain any *five* lessons you learnt from the farewell sermon.
                                        10mks.

4. State any *five* differences between Zakaat and Sadaqah.                    10mks.

FINE ART

HOLIDAY ASSIGNMENT
FOR STUDENTS COMING INTO JS 2
Answer all questions.
1. Nature Painting

Paint any fruit composition of your choice.
*Size:* 24cm by 18cm
*Materials:* Cardboard, poster colour/water colour/acrylic
paints, painting brushes etc.
*Note:* Attention should placed on **Representation, Tonal Value, Use of Space, Proportion** and **Aesthetic.**
*Submission Date/Deadline:*
On or before Friday 9th September, 2022.

Js 1 going to JS 2

Identify ten ways to curb insecurity in Nigeria.
Explain these points critically.

# BUSINESS STUDIES

JSS1 GOING TO JS 2

1. Explain the following terms
A) Receptionist.    B) Reception Office
2. Explain four duties of a receptionist
3. Define the term office correspondence
4. Explain two types of mail
5. List six sales documents and three purchase documents

SUMMER TERM 2022 HOLIDAY ASSIGNMENT FOR INCOMING JS2 (JS1-JS2)
**Answer all questions** [100 Marks]

1. READING

Read this true story of a dangerous accident which happened while the writer and his friends were making their way by canoe past the side of a waterfall in Borneo.

The river twisted and turned and grew narrower, and the giant creepers, tumbling down in profusion from 60 metres above our heads, grew closer. The rapids and cascades became more frequent. We had to jump out into the river more often, sometimes up to our armpits, pushing our long canoe up the shallows, guiding it into a side-channel away from the main crash of the water.

'Saytu, dua, tiga – bata!' sang Dana, our head boatman, which even we could reconstruct as 'one, two, three – and push'. Our crew, well used to the round, algae-covered stones on the river-bottom, gripped them easily with their muscled, calloused toes. Our boots, however, slipped into crevices, slithered away in the current, and threatened to break off a leg at the ankle or at the knee. It was only possible to push hard when the boat was stuck fast.

Back aboard our canoe once more, we entered a wide reach of foaming water. There was an ominous noise of conflicting currents ahead. The preambles to the rapids that we now encountered – foaming white water, swirling whirlpools and noise up ahead – went on longer and louder than they ought to have done. With the canoe pitching feverishly, we rounded a sweeping bend; and the reason for the agitated river became obvious. Ahead of us, the water was piling up into waves higher than any we had met. There was a waterfall to the left of the river-course, a huge surging over a ledge. The way to the right was blocked by thrown-up trees that had been dislodged upstream and tossed aside here against a line of rocks. There was, however, one small channel that skirted the seething mass of water up front: a shallow rapid, dangerously close to the boiling waves, but negotiable. It was separated from the waves by three huge boulders.

Keeping well clear of the great whirlpool beneath the waterfall, we brought the boat to the base of this normal-sized rapid. Then Dana, James and I got back into the river and made our way carefully forward, holding on to the bow-rope of our canoe. Dana held the lead position on the rope, I stood behind him and James behind me. We started pulling on the rope while in the rear the other two members of the crew, Leon and Inghai, pushed the boat. The boat moved up and forwards some three metres and then stuck. Leon and Inghai at once walked up the rapid and rolled small rocks aside to clear a channel. We waited at a large rock nearby, pulling on the rope to keep the long boat straight. At last Leon and Inghai were ready. But the channel they had had to make was a little closer to the waterfall. To keep pulling our boat straight, and to avoid the tumbling water of the waterfall, we had to move to our right. It was only a stride or two.

But the level of the river bed suddenly dipped. James lost his footing and, trying to save himself, let go the rope. I stepped across to catch him, the rope bound round my left wrist, snatching his

left hand in my right. His legs thudded into mine, tangled, and then swung free, into the current, weightless, as if a part of him had been knocked into outer space. His hat came off, hurtled past his shoes, spun in an eddy and disappeared beneath the cascading waters of the waterfall. His fingernails were very white, and slippery; they could not dig into my palm. He simply looked surprised; his head seemed a long way from me. He was impossibly trying to grip a boulder with his other hand, to get a purchase on a slimy rock polished smooth for centuries by tons of rolling water.

His fingers bent straighter, slowly, edging out of mine, for what must only have been seconds. His arm rigid, his fingertips finally slipped away altogether. He turned in the current, spread-eagled. Still turning, but much faster, he was sucked under. His right ankle and shoe were bizarrely visible above the surface. He was lifted slightly, a bundle of clothes of no discernible shape, and then he was gone.

"Hold the boat!" yelled Leon.

James's bald head, white and fragile as an owl's egg, was sweeping round in the whirlpool beneath the waterfall, spinning, bobbing up and down in the foaming water, each orbit of the current carrying him within inches of the black rocks at its edge.

Leon jumped into the boat, clambered onto the raised outboard-motor frame, squatted and then, with a long, yodeling cry, launched himself in a great, curving leap into the centre of the maelstrom. He disappeared, surfaced, shook his head, spotted James, dived again and caught him. He made a circuit of the whirlpool until, reaching the exit current; he thrust out like a turtle and went down-river, edging yard by yard towards the bank.

Obeying Dana's signs, I helped him coax the boat onto a strip of shingle further down the river's edge. James, when we walked back to him, was sitting on a boulder. Leon sat beside him, an arm round his shoulder.

"You'll be all right, my friend," said Leon. "Soon you'll be so happy."

James, bedraggled, looking very sick, his white lips an open 0 in his black beard, was hyperventilating dangerously, taking great rhythmic draughts of oxygen, his body shaking. Just then Inghai appeared, beaming with pride, holding aloft one very wet straw boater.

"I saved his hat!" said Inghai, "James! James! I've saved your hat!"

James looked up, smiled, and so stopped his terrible spasms of breathing. He really was going to be all right. Suddenly it all seemed funny, hilariously funny. "Inghai saved his hat!" We giggled together until it hurt.

### Now answer these questions:

(a) Give four impressions that the writer creates of his journey along the river, as it is described in the first five paragraphs.                                                      [20 Marks]

 (b) Give four words or phrases that you think best describe the seriousness of James's accident.

[20

Marks]

(c) The writer gives us a clear picture of Leon. Give four examples of this from the passage. Explain carefully the way in which each of your examples brings Leon's character to life.

[20 Marks]

2. Read the passage titled 'Cow's Head, Part 2' in your Checkpoint Workbook and answer all the questions on it.

[10 Marks]

3. Summarize in not less than 100 words any story book you read during the holidays.

[10 Marks]

ESSAY WRITING [20 Marks]

*INSTRUCTION: Answer ONLY ONE question from this section. Your composition should not be less than 200 words long. Your ability to organize your ideas in well constructed sentences, effective punctuation and legible writing will attract bonus marks.*

1. You promised an uncle of yours who lives in the northern part of the country that you would spend your summer holiday with him. Write a letter to him giving **three** reasons why you will no longer be able to spend your holiday with him.

2. Write on the topic: "**Girls are more careful than boys**".

Content ---------------- 5
Expression ------------- 8
Organization ----------- 3
MA ----------------------4
**Total--------------------20**

# MATHEMATICS

1. Find the sum of all odd numbers between 24 and 36

A. 180

B. 178

C. 60

D. 238

2. The product of 7 and 9

A. 63

B. 36

C. 73

D. 37

3. The positive difference between 23 and -10 is

A. 17

B. 33

C. -33

D. -17

4. Four times the sum of a number and 7 is 68. The number is

A. 10

B. 71

C. 37

D. 36

5. 2584 centimetres is equal to

A. 25.84m

B. 258.4m

C. 2.584m

D. 0.2584m

6. Which of the following is not a Pythagorean triple?

A. (3, 4, 5)

B. (5, 6, 7)

C. (6, 8, 10)

D. (9, 12, 15)

7. One-seventh of the sum of 20 and the product of -5 and 11 is

A. -5

B. -35

C. 7

D. -45

8. Given that $\sin 30 = \frac{y}{150}$, the value of y is

A. 75

B. 57

C. 60

D. 45

9. The product of three numbers is 189. Two of the numbers are 9 and 7. Find the third number

A. 63

B. 3

C. 21

D. 27

10. Solve the equation 6x=18.

A. x=6

B.     x=4

C.     x=3

D.     x=2

11.    Find the sum of the product of -12 and 13 and the positive difference between -10 and 88.

A.     78

B.     -58

C.     66

D.     -86

12.    The sum of the ages of two girls is 35 years and the difference between their ages is 5 years. Find their ages.

A.     25,20

B.     30,25

C.     20,15

D.     15,10

13.    What is the square root of 121?

A.  11

B.  13

C.  12

D.  15

14.    The value of x when $5x = 4 - 3x$ is

A.     2

B.     3

C.     1

D.     0.5

15.    What number must be multiplied by-5 to make $^1/_{10}$?

A.     -0,02

B.     0.2

C.     -50

D.     50

16.    Given that the length of the 'adjacent side' of a right-angled triangle is 7cm and the included angle is $30^0$, the length of its opposite side is

A. 7.04cm

B. 8.04cm

C. 4.04cm

D. 5.04cm

17.    The difference between -8 and a certain number is 15. What are the two possible values of this number?

A.     -18 or 15

B.     -15 or 8

C.     -23 or 7

D.     -7 or 23

18.    Write $\frac{23}{6}$ as a mixed number

A.     $3\frac{5}{6}$

B.     $3\frac{4}{6}$

C.     $4\frac{4}{6}$

D.     $4\frac{5}{6}$

19.    The product of the square root of 16
and the square root of 9 is

A.    32

B.    25

C.    14

D.    12


20.    The positive difference between the
product of 78 and 36 and their sum is

A.    2894

B.    2694

C.    9428

D.    2922

PART B

QUESTION ONE: If $x = 3, \ y = 4,$ Find the values of the following

    (i)     xy

    (ii)    2x+ 3y

    (iii)   4y-2x

    (iv)   4y-3x

QUESTION TWO: Simplify the following:

    (i)     22e-5e-8e-4e

    (ii)    12f-5f-3f-4f

    (iii)   14n+2n-6n-12n+7n

    (iv)   12d-5d-3d+4d

QUESTION THREE :

A wooden beam has a rectangular cross face, 24cm by 15cm, and 8m long.

(a)     Calculate the volume of the beam

(b)     Express your answer in (a) in $cm^3$ and $m^3$

(c)     If the wood has a mass of 700kg per $m^3$, find the mass of the beam

QUESTION FOUR:

(i)     A villager has 6x sheep and 5y goats. She sells 3x sheep and 2y goats. How many animals is she left with?

(ii)    A man has x matches in a matchbox. On Monday he uses one-quarter of them. On Tuesday he uses five more. How many matches has he used? How many has he left?

**JSS ONE GOING TO JSS TWO**

1. Write all you know about SCALE

2. Construct the scale of C - Major