



**DOWEN COLLEGE LAGOS**

**HOLIDAY ASSIGNMENTS FOR THE**

**JS 1 GOING TO JS 2**

**2023**

## **BUSINESS STUDIES JS1 TO JS2 HOLIDAY ASSIGNMENT**

Holiday Assignment JSS2

1 Explain the following terms

a) Receptionist

b) Reception office

2 a) Define the term office correspondence

b) Explain two types of mail

3. List six sales documents and three purchase documents

4.a) What is trade?

b) Explain the components of home trade.

Wholesale

Retail

# SUMMER TERM 2023 HOLIDAY ASSIGNMENT

## 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

**DOWEN COLLEGE LAGOS**  
**ICT SUMMER ASSIGNMENT JSS 2**

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.  $41_{10}$

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This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There are approximately 20 lines visible. The paper has a slightly textured appearance and is set against a dark background.

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**IGBO LANGUAGE**

**SUMMER TERM 2023 HOLIDAY ASSIGNMENT**

**JS1 - JS2**

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

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



**SUMMER TERM 2023 HOLIDAY ASSIGNMENT FOR INCOMING JS2**

**(JS1-JS2)**

**SUBJECT: ENGLISH LANGUAGE**

**ESSAY WRITING**

***INSTRUCTION: Answer the two questions below. 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**”.

# **YORÙBÁ**

## **JSS 1-2 HOLIDAY ASSIGNMENT**

Form five words each from Yoruba alphabet except letter 'u'

# MATHEMATICS HOLIDAY ASSIGNMENT

## CHRISTMAS TERM 2022/2023

### JS1 GOING TO JS2

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  $\sin 30^\circ = \frac{y}{150}$ , 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  $\frac{1}{10}$ ?

- 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  $30^\circ$ , 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  $\text{cm}^3$  and  $\text{m}^3$
- (c) If the wood has a mass of 700kg per  $\text{m}^3$ , 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?

## BASIC SCIENCE JS 1 TO JS 2

### SECTION A: Multiple Choice {60 Marks}

- |   |  |
|---|--|
| <p>1. Samuel is reading the height of a liquid in a measuring cylinder. How should he look at the top of the liquid?</p> <p>(a) From slightly above (b) From a long way below (c) From directly in front (d) From slightly below</p> <p>2. What is the reaction between an acid and a base called?</p> <p>(a) Fermentation (b) Neutralization (c) Displacement (d) Combustion</p> <p>3. All of the following are examples of water-borne diseases <b>except</b></p> <p>(a) Scurvy (b) Dysentery (c) Typhoid fever (d) Cholera</p> <p>4. The process of eliminating metabolic wastes from the body of living organisms is called _____</p> <p>(a) anabolism (b) catabolism (c) defecation (D) excretion</p> <p>5. The S.I. unit for length is</p> <p>(a) metre (b) kilogram (c) cubic metre (d) gram</p> | <p>6. The following statements are true about the mass of an object, <b>except</b></p> <p>(a) A beam balance is used to measure the mass of an object (b) Mass is the quantity of material which makes up an object (c) Mass is measured in kilograms (d) Mass of an object varies from place to place</p> <p>7. Which of the following instrument is used to measure the degree of coldness or hotness of a body?</p> <p>(a) Barometer (b) Galvanometer (c) Thermometer (d) Hydrometer</p> <p>8. What is a tissue?</p> <p>(a) A group of different kinds of cells that do different tasks. (b) A group of different kinds of cells that do a special task. (c) A group of the same kind of cells that do a special task (d) A group of the same kind of cells that do different tasks</p> |
|---|--|

9. Which of these is **not** a vector of any known disease?

(a) Butterfly (b) Rat (c) Black fly  
(d) Mosquito

10. Carbon dioxide is removed from the atmosphere by

(a) burning of wood (b) breathing out (ii) the sun (d) photosynthesis

11. Plasmodium is a parasite which causes \_\_\_\_\_

(a) sleeping sickness (b) malaria  
(c) cholera (d) tuberculosis

/1

12. Good health can be maintained by the following **except**

(a) Eating balanced diet (b) Drinking alcohol (c) Regular exercise (d) Personal hygiene

13. Disease causing germs can sometimes be carried by insects called

(a) predators (b) parasites (c) pests (d) vectors

14. Deficiency in vitamin D results in

(a) Scurvy (b) Rickets (c) Malaria  
(d) Kwashiorkor

15. S.T.D means

(a) Safety Treatment Division (b) Severe Transmission of Disease (c) Sexually Transferred Diseases

(d) Sexually Transmitted Diseases

16. One of the ways of contacting HIV/AIDS is

(a) Sharing the use of sharp objects with an infected person (c) Eating with an infected person

(d) Playing with an infected person

17. Which of these statements about friction is true?

(a) Static friction is the same strength as sliding friction (b) Static friction is weaker than sliding friction

(c) Static friction is stronger than sliding friction

(d) Static and sliding friction are completely different forces

18. Which of these is not an example of contact forces?

(a) Magnetic force (b) Frictional force (c) Push or pull (d) Tension

19. What force is exerted when you rub your hands together?



(a) Gravity (b) Friction (c) Strain  
(d) Air resistance

20. Friction can be reduced by  
\_\_\_\_\_ the contact surfaces.

(a) cleaning (b) enlarging (c)  
heating (d) lubricating

21. If a body is at rest, it means all  
the forces acting on the body are

(a) equal to zero (b) adjacent to  
one another (c) equal (d) equal and  
opposite

22. Which of the following property  
of an object cannot be changed by a  
force?

(a) Direction (b) Shape (c) Mass  
(d) Speed

23. How long does it take the Earth to  
spin once round its axis

(a) 28 days (b) 24 hours (c)  $365\frac{1}{4}$   
days (d) 366 days

24. How long does it take the Earth to  
orbit once around the Sun?

(a) 28 days (b) 24 hours (c)  $365\frac{1}{4}$   
days (d) 366 days

/2

25. What happens during a lunar  
month?

(a) The Earth orbits the Sun once  
(b) The Earth orbits the Moon once

(c) The Moon orbits the Earth  
once (d) The Moon orbits the Sun  
once

26. What is the cause of a solar  
eclipse?

(a) The Moon is between the Sun  
and the Earth (b) The Earth is  
between the Sun and the Moon

(c) The Sun is between the Moon  
and the Earth (d) The Moon is in  
phases

27. Which of these scientists  
discovered gravity?

(a) Lord Rutherford (b) Isaac  
Newton (c) John Dalton (d) Albert  
Einstein

28. What is at the centre of our solar  
system?

(a) The Earth (b) The moon (c)  
The Planets (d) The Sun

29. What keep the planets in our solar  
system in orbit?

(a) Friction (b) The Earth's  
gravity (c) The Sun's gravity (d) The  
Moon's gravity

30. The revolution of the Earth  
around the Sun causes

(a) day and night (b) seasons (c) eclipses (d) distribution of radiant heat

31. Which of the following planets is the nearest to the Sun?

(a) Earth (b) Mars (c) Saturn (d) Venus

32. The Earth has a large gravitational pull on objects because it

(a) has plants and animals (b) has large size and mass (c) is a planet (d) rotates

33. What happens when all the forces acting on a still object are balanced?

(a) The object does not move (b) The object move to the right (c) The object move to the left

(d) The object move up and down

34. What changes when the forces acting on an object are unbalanced?

(a) Weight (b) Shape, speed and direction (c) mass (d) Gravity

35. If there is a force of 210N pulling an object up and a force of 15N pulling it down. What is the resultant force?

(a) A downward force of 125N  
(b) An upward force of 125N (c) A downward force of 195N

(d) An upward force of 195N

36. What would be the weight of a 60Kg astronaut on Earth and on the Moon?

(a) 600Kg on Earth and 600Kg on the Moon (b) 60Kg on Earth and 60Kg on the Moon

(c) 600N on Earth and 600N on the Moon (d) 600N on Earth and 100N on the Moon

37. A/An \_\_\_\_\_ experiences weightlessness.

(a) astronaut in a spacecraft (b) engineer in workshop (c) pilot in an aircraft (d) sailor in a ship

/3

38. Which of the following is present in the outer space?

(a) Air (b) Force of gravity (c) Light (d) life

39. Scientists that travel in the space are called \_\_\_\_\_

(a) Astrologists (b) Astronomers (c) Archaeologists (d) Astronauts

40. The state of matter that takes volume and shape of the container it occupies is  
 (a) Solid (b) Liquid (c) Gas (d) Liquid and gas

41. The measure of gravitational pull on an object is its  
 (a) volume (b) weight (c) mass (d) density

42. The largest planet is (a) Jupiter (b) Mercury (c) Mercury (d) Saturn

43. The moon revolves round the Earth once in about \_\_\_\_\_ days  
 (a) 50 (b) 24 (c) 29 (d)  $365\frac{1}{4}$

44. Animals that feed on plant materials only are called  
 (a) carnivores (b) herbivores (c) omnivores (d) scavengers

45. The pigment in plant cells which gives them the green colour is called  
 (a) cell membrane (b) cell wall (c) cytoplasm (d) chlorophyll

46. The following are units of temperature **except**  
 (a) Celsius (b) Fahrenheit (c) Kelvin (d) Newton

47. The following are advantages of friction **except**

(a) Produces heat in the moving parts of machines (b) Enables sharpening of tools (c) Makes walking easy (d) Enables a car to come to rest

48. Which of the following **cannot** be carried in a spacecraft?  
 (a) Oxygen (b) Water (c) Food (d) Gravity

49. The weight of a body of mass 20kg is  
 [weight = mg,  $g = 10\text{m/s}^2$ ]  
 (a) 20g (b) 20N (c) 200kg (d) 200N

50. The first man in space was  
 (a) Neil Armstrong (b) Yuri Gagarin (c) Armstrong Jones (d) From Japan

51. Which of these is a satellite?  
 (a) Sun (b) Moon (c) Earth (d) Comet

52. Satellites can be used for  
 (a) fireworks (b) lighting (c) decoration (d) communication

53. In what year did Nigeria launched her first satellite into space?  
 (a) 1960 (b) 1966 (c) 2007 (d) 2009

54. What is the name of the first artificial space satellite?

- (a) sputnik-I (b) SAT-I (c) Arabia-I (d) The moon

55. Which of the following satellites is **not** artificial?

- (a) Weather satellite (b) Communication satellite (c) The moon (d) Space probe

56. Which of the following is a danger of space travel?

- (a) Gender of an astronaut (b) Age of an astronaut (c) Mass of the space ship (d) Weightlessness

57. Which statement describes the function of the **nucleus** of a cell?

- (a) It controls what enters or leaves the cell (b) It is where chemical reactions occur (c) It is the site of photosynthesis (d) It controls all the activities of the cell

58. Which statement describes the function of the **cytoplasm** of a cell?

- (a) It controls what enters or leaves the cell (b) It is where chemical reactions occur

(c) It is the site of photosynthesis (d) It controls all the activities of the cell

59. Which statement describes the function of the **cell membrane** of a cell?

- (a) It controls what enters or leaves the cell (b) It is where chemical reactions occur

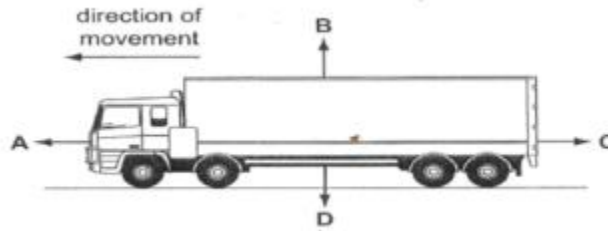
(c) It is the site of photosynthesis (d) It controls all the activities of the cell

60. The following are public health organization **except**

- (a) UNICEF (b) WHO (c) NAFDAC (d) Red cross society

## Theory

1. The diagram shows four **forces** acting on a moving truck.



(a) What do you understand by the term **force**?

.....

.....  
 ..... [1]

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

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

[3]

(c) 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]

2. Ostriches belong to a group of vertebrates. The drawing shows an ostrich.



**(a)** To which group of vertebrates do ostriches belong?

..... (1)

**(b)** Use the drawing to give **two** reasons for your answer to **(a)**.

.....  
..... (2)

**(c)** Three features of birds are: **they have feathers, they lay eggs, they have a backbone.**

(i) Which feature is unique to birds (that is, which feature is not shared with other groups)?

..... (1)

(ii) Which feature do birds have in common with all other vertebrates?

..... (1)

## **HISTORY**

HISTORY JS1 going to JS2

Print and paste on a cardboard the art works of the following:

I. Nok culture

II. Ife culture

III. Benin culture

IV. Igbo Ukwu culture

Browse the internet, get their pictures and neatly paste them on a cardboard.

## CIVIC EDUCATION

### CIVIC EDUCATION **JS1 going to JS2**

Draw on a cardboard or print and paste on a cardboard the following symbols of authority:

- a. Seal of the President
- b. Mace
- c. Stature of Nemesis
- d. National flag of Nigeria
- e. Nigerian Passport
- f. Coat of arm



## **HOLIDAY ASSIGNMENT**

### **BASIC TECH**

JSS 1 TO JSS2

USE ANY OF THE FOLLOWING MATERIALS ( PLYWOOD, HARDWOOD, PLASTIC) TO PRODUCE A KITCHEN STOOL

## **HOLIDAY ASSIGNMENT**

### **JS 2**

1. Painting: Paint any fruits composition of your choice.  
Size: 18 inches by 24 inches.

## **HOLIDAY ASSIGNMENT**

### **MUSIC**

#### **JSS 1- J SS 2**

1. LIST FOUR MUSICAL PERIODS.
- 1B. LIST TWO COMPOSERS OF BAROQUE AND CLASSICAL PERIODS.
- 1C. WHO IS THE COMPOSER OF MESSIAH?

## **CRS JS 1 TO JS 2**

1. Mention the names of the 12 apostles

2. What is parable?

Mention and explain the PARABLES that illustrates God's kingdom.