

ENTREPRENEURSHIP

The following information/details were extracted from the books of OGUNDIPE ENTERPRISES by the end of the financial year 31/12/2023

Details/Particulars	shs
Sales	15,800,000
Purchases	6,000,000
Sales returns	300,000
Creditors	1,600,000
Debtors	2,000,000
Plant and machinery	4,000,000
Loan (4 years)	4,800,000
Drawings	500,000
Motor van	4,200,000
Insurance	700,000
Salaries and wages	2,300,000
Postage	200,000
Bad debts	100,000
Loan (1 year)	2,000,000
Furniture	3,000,000
Stock (1/6/2022)	2,600,000
Bank overdraft	900,000
Electricity	1,200,000
Cash	2,700,000
Bank	6,000,000
Advertising	300,000
Capital	11,000,000
Stock (31/5/2023)	1,000,000

TASK:

- a) Use the above balances to prepare the financial statements.
- b) Use the information to compute and interpret;
 - i. **Mark up** (ii) **margin** (iii) **return on equity** (iv) **stock turnover ratio**

ICT

- 1. (a) What is the meaning of computer maintenance as used in computer servicing?
(b) Identify four (4) activities carried out during computer repair and maintenance.
- 2. (a) What do you understand by the term “**Computer Virus**”?
(b) Outline four symptoms existent on computer systems infected with computer viruses.
(c) What are some of the ways you would prevent computer virus from spreading?

AGRICULTURE

- 1. (a) Outline the differences in digestion of a ruminant and a non-ruminant animal.
(b) What are the factors that influence feed intake by a farm animal?
- 2. (a) Describe the qualities of good seeds for planting.
(b) Explain the factors that influence the spacing of a crop when planting.

LITERATURE IN ENGLISH- 1

- a) Compose a three stanza poem on the theme of corruption in your country.
- b) Comment on the poetic devices employed.

LITERATURE IN ENGLISH – 2

Discuss the character of Richard as portrayed in the play Richard III.

LITERATURE IN ENGLISH – 3

Discuss the character of Pip as portrayed in the novel Great Expectations.

CRE – P1

Explain the forms of suffering that Job experienced in his life.

CRE – P2

Before the gospels, there was a gospel. Discuss.

CRE – P3

- a) What were the causes of death in African traditional society? (13mks)
- b) How do Christians prepare for death today? (12mks)

GENERAL PAPER

Using the internet download and print out the speech by Martin Luther King entitled, “I have a dream” and write the meaning of the following words/phrases.

- i). Proclamation
- ii). Dramatise
- iii). Unalienable rights
- iv). Nullification
- v). Prodigious

SWAHILI

- a) Ukitoa mifano, eleza sababu zilizowaelekeza lamina na wafanyakazi wengine kigoma katika Tamthilia ya kilio cha haki.
- b) Jadili harakati za ukombozi katika Tamthilia ya kilio cha haki.

LUGANDA

Nnyonnyola ebizibu ebyeyolese mu gwolulambuza nga Bantubalamu bwabirambika

PHYSICS

- a) What is meant by the following?
 - i). Electrostatic induction (1mk)
 - ii). Electric point discharge (1mk)
- b) (i) With the aid of a diagram, describe how a van de Graff generator produces a high voltage.
(ii) Account for the energy stored by the generator in (b)(i) (1mk)
- c) A high voltage terminal of a van de Graff generator consists of spherical conducting shell of radius 85cm. Calculate the;
 - i). Potential to which it can be raised in air for which electrical breakdown occurs when electric field intensity exceeds $3.6 \times 10^4 \text{V}^{-1}$ (3mks)
 - ii). Charge stored by the shell. (2mks)
- d) A needle is mounted vertically, point upwards on cap of neutral gold leaf electroscope with blunt end in contact with cap. Explain what is observed when a;
 - i). Negatively charged rod is brought near the needle tip without touching it and then quickly withdrawn. (3mks)

- ii). Negatively charged rod is brought near the needle tip without touching it and left there for some time and then quickly withdrawn.

GEOGRAPHY

P250/2

Discuss the contributions of irrigation farming to either Sudan or California (25mks)

GEOGRAPHY

P250/3

1. Examine the causes and effects of wetland destruction in Uganda.(25mks)
2. Examine the contributions of the fishing industrial to the development of Uganda. (25mks)

MATHEMATICS

1. The table below shows the marks obtained by students of mathematics in a certain school

Marks	Number of students
30 - <40	2
40 - <50	15
50 - <55	10
55 - <60	11
60 - <70	30
70 - <90	29
90 - <100	3

- a) Draw a histogram for data and hence determine the modal mark
 - b) Draw an Ogive for the data
 - c) Calculate the mean, median and standard deviation
2. The data below shows the amount of cotton (in ‘00s of bales) produced by Growers’ Unions over a certain period of time.

70	41	34	55	45	66	73	77	80	30
50	45	72	50	27	70	55	70	85	70
30	50	60	53	40	45	35	55	20	81
25	51	35	62	60	30	45	35	50	89
53	23	28	65	68	50	65	34	35	76

- a) Beginning with the 20 – 29 class and using intervals of equal width, construct a frequency table for the data.
 - b) Using the frequency table,
 - i). Draw a cumulative frequency curve for the data and hence estimate the median production.
 - ii). Calculate them mean and standard deviation of production.
3. The amount of money collected by children in a charity walk in thousands of shillings is recorded in the table below.

Amount (‘000 shs)	1	2-4	5-1	11-15	16-25
Frequency	20	93	90	58	39

- i). Calculate the mean and standard deviation of the children’s collection.
- ii). Draw a histogram and use it to estimate the modal collection
- iii). Construct an Ogive and use it to estimate the number of children who collected between 3000= and 7,000=

CHEMISTRY

Write short notes on each of the following.

- a) hybridization
- b) Ionisation
- c) Compressibility factor
- d) Liquefaction of a gas
- e) Electron affinity
- f) inert pair effect
- g) Differentiating electron
- h) Reaction mechanism
- i) Isomerism

BIOLOGY

1. (a) What is meant by each of the following terms as used in ecology?
 - (i) ecological niche (02 mark)
 - (ii) ecosystem (02 mark)
- (b) Why is it difficult for two organisms that have the same ecological niche to occupy the same habitat at the same time? (04 marks)
- (c) Describe how various human activities have impacted both biotic and abiotic components of the environment currently. (12 marks)

P615/2 (ORIGINAL IMAGINATIVE COMPOSITION)

Attempt all questions

P615/1 (STILL LIFE AND NATURE DRAWING)

1. a) Make a study or studies of a mature cockroach
- b) On a low lying landscape, buildings are seen making a perspective view, in between the buildings are the following: a maintained footpath, luxuriant vegetation and some artificial landmarks like electric pole, etc

P615/3 (GRAPHICS)

1. In good calligraphic hand, write the text below in well-decorated border. Use a space of 22cmx 33cm not exceeding three colors.

We are not Donkeys

Children's rights should not be neglected

Some people think that we children can be used as donkeys.

They don't know that since they have their rights,

We should also have our rights

Remember that we are also humans like adults.