# EXCELLING STUDENTS FORM 1 END TERM 2 SERIES 1 EXAMS *(ALL SUBJECTS TESTED)*




# EXCELLING STUDENTS FORM ONE END TERM TWO SERIES ONE EXAMS

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# ORDER OF THE 14 SUBJECTS TESTED *(ALPHABETICALLY ARRANGED)*

1. **AGRICULTURE**
2. **BIOLOGY**
3. **BUSINESS STUDIES**
4. **CHEMISTRY**
5. **COMPUTER**
6. **C.R.E**
7. **ENGLISH**
8. **GEOGRAPHY**
9. **HISTORY**
10. **HOMESCIENCE**
11. **I.R.E**
12. **KISWAHILI**
13. **MATHS**
14. **PHYSCIS**


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# EXCELLING STUDENTS FORM ONE
# END TERM 2 SERIES ONE EXAMS

**NAME: ……**

**SHOOOL: ……**

**ADM NO: ……. SIGN……..… DATE: ……..**

**Term 2 –**
**AGRICULTURE (443)**
**FORM ONE (1)**
**Time: 2 Hours**

**INSTRUCTIONS**

- ***This paper consists of three sections A, B and C.***
- ***Answer all questions in this paper***

**Section A (40mks)**

**Answer all questions in this section in the spaces provided**

**1.** What is plantation farming system? **(2mks)**

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**2.** State the main characteristics of shifting cultivation. **(2mks)**

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**3.** Differentiate between olericulture and pomoculture. **(2mks)**

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**4.** State six reasons why agriculture is important in Kenya's economy **(6mks)**

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**5.** State two ways in which agriculture contributes directly to the development of industries. **(2mks)**

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**6.** Give the limitations of pastoral Farming. **(2mks)**

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**7.** List four environmental factors that affect crop distribution in Kenya. **(4mks)**

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**8.** State two ways by which wind affects the growth of crops. **(2mks)**

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**9.** List down the four aspects of rainfall that affect agriculture. **(4mks)**

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**10.** Outline three effects of soil organisms which benefit crop growth. **(3mks)**

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**11.** State one cause of a hard pan in a crop field. **(1mk)**

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## Section B (20 marks)

## Answer ALL the questions on the spaces provided.

**12 a)** Name three processes of rock weathering. **(3mks)**

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**b)** Differentiate between soil texture and soil structure. **(2mks)**

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**c)** State three benefits of good soil structure in crop production. **(3mks)**

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**d)** List two aspects of light that influence crop growth **(2mks)**

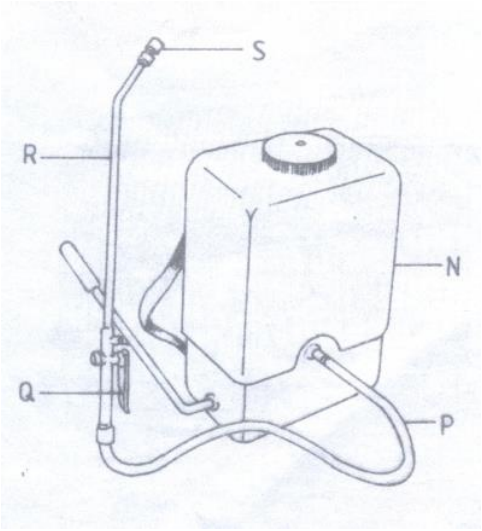
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**13.** Below is a diagram of a knapsack sprayer. Study it carefully and answer the questions that follows




**a)** Name the parts labeled N, P, Q and R (**2mks)**

**N.** ……

**P**……..

**Q.** ……

**R.** ……

**b)** State one function of the part labeled S **(1mk)**

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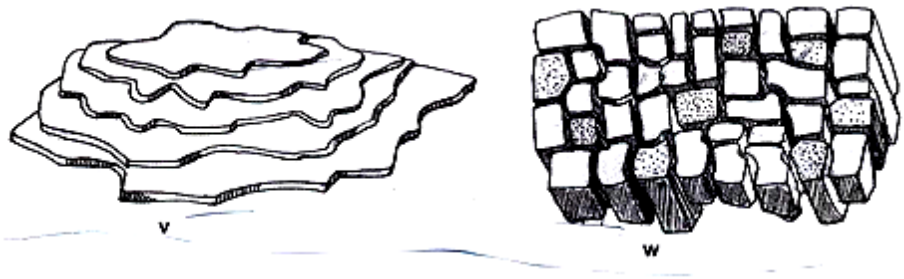
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**14.** The diagrams V and W illustrate some soil structures. Study the diagrams and answer the questions that follow




**a)** Identify two structures labeled V and W **(2mks)**

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**b)** Name the types of soils from which structures labeled V and W can be found **(1mk)**

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**c)** State two ways through which structure V may influence crop production **(2mks)**

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**d).** Give two soil structures likely to be found in a forest **(2mks)**

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## SECTION C 40MKS

## ANSWER ALL QUESTIONS IN THIS SECTION

**15.** State Eight roles of organic manure in the farm **(8mks)**

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**16.** Describe the water treatment process **(12mks)**

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**17. a)** Describe Five reasons why livestock are kept in Kenya **(5mks)**

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**b).** Give Five differences between exotic cattle (*Bos taurus)* and local cattle (*Bos indicus)* **(5mks)**

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**c)** Give Five main characteristics of Large White Pig breed **(5mks)**

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**d)** Give five reasons why the Galla goat breed is suitable for arid and semi-arid areas **(5mks)**

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# EXCELLING STUDENTS FORM ONE
# END TERM 2 SERIES ONE EXAMS

**NAME: ……**

**SHOOOL: ……..**

**ADM NO: ……. SIGN:……..……..… DATE: ……..……...**

## BIOLOGY (QUESTION PAPER)
## FORM ONE
## TIME 2 HOURS

**INSTRUCTIONS TO CANDIDATES**

i) Write your name and Index Number in the spaces provided above.

ii) Sign and write date of examination in the spaces provided above.

iii) Answer **ALL** questions in the spaces provided.

iv)All workings **MUST** be clearly shown where necessary.

**For Examiners use only.**

| Question | Maximum Score | Candidates Score |
|---|---|---|
| 1 – 34 | 80 | |

**1.** State the role of the following elements to the growth and development of plants **(2mks)**

**(i)** Calcium

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**(ii)** Nitrogen

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**2. (a)** Define the following terms**:-** **(2mks)**

**(i)** Species:

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(ii) Binomial nomenclature:-

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**3.** For a leaf to be efficient for photosynthesis it has to be broad and flat. Explain **(2mks)**

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**4.** State the functions of the following organelles:

**(a)** Lysosomes:- **(2mks)**

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**(b)** Golgi apparatus:-

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**5.** What is the significance of active transport in the human body. **(2mks)**

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**6.** State the name given to the study of **(2mks)**

**(i)** Insects

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**(ii)** Classification of living organisms.

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**7.** Name the products of complete hydrolysis of sucrose. **(1mk)**

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**8.** **(a)** State the formula for calculating linear magnification of a specimen when using a hand lens**.** **(1mk)**

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**(b)** Give **one** functional advantage of use of the following microscopes. **(2mks)**

**(i)** Light Microscope

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**(ii)** Electron Microscope.

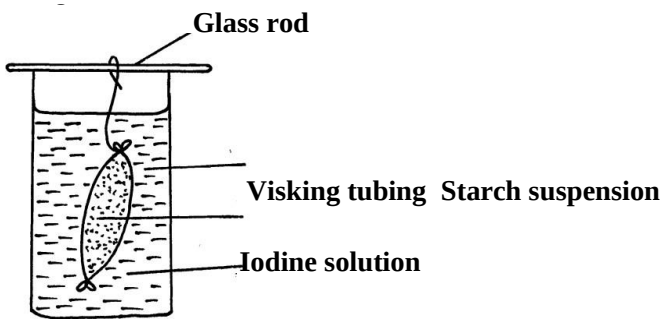
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**9.** An investigation was set up as shown in the diagram below.




After 30 minutes, starch suspension had turned blue-black while iodine solution retained its colour.

**(a)** Name the physiological process that was being investigated in the experiment. **(1mk)**

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**(b)** Account for the results observed after 30 minutes. **(3mks)**

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**10.** Define the term osmosis. **(2mks)**

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**11.** The reaction represented by equation below occurs in the body

Hydrogen peroxide $\xrightarrow{Z}$ Oxygen + Water

**(a)** Name enzyme **Z** **(1mk)**

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**(b)** State the biological importance of the reaction above **(1mk)**

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**12.** State how the cell below is specialized to carry out their functions

A sperm cell **(1mk)**

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**13.** Name the bond that exists between amino acids during condensation process of forming proteins**?** **(1mk)**

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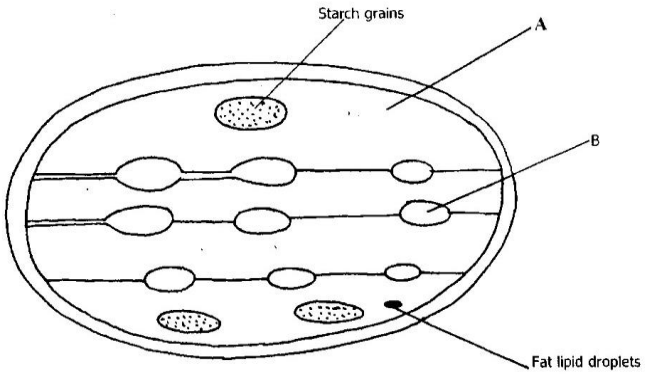
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**14.** Some form one students wanted to collect the following animals for study in the Laboratory. State the suitable apparatus they should use.

**i)** Crawling stinging insects **.....** **(1mk)**

**ii)** Small animals from tree barks **.....** **(1mk)**

**15.** Study the diagram below and answer the questions that follows




**(a)** Identify the structures labeled A and B **(2mks)**

**A: ……**

**B: ……**

**(b)** What process takes place in the parts labeled A and B **(2maks)**

**A: ……**

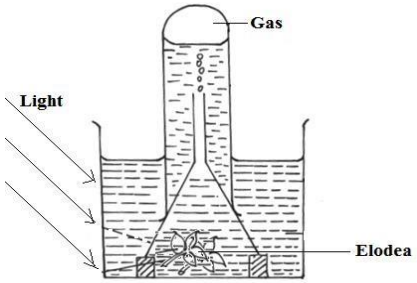
**B: ……**

**16.** A student estimated the diameter of a field of view to be 2.8mm. The diameter was occupied by four onion cells. Estimate in micrometers the diameter of onion cell. Show your working**.** **(2mks)**



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**17.** The diagram below represents a set up that was used to investigate a certain process in a plant.




**(a)** State the process that was being investigated. **(1mk)**

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**(b)** Other than the factors shown, state two factors that would affect the process named in (a) above. **(2mks)**

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**18.** Write the role of the following parts of microscope. **(3mks)**

**(i)**Mirror

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**(ii)**Diaphragm

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**(iii)** Coarse adjustment knob

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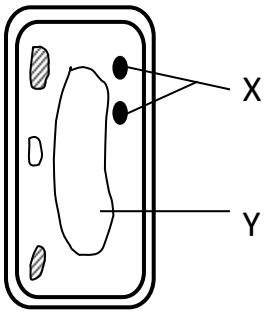
**19.** Explain why plant cells do not burst when immersed in distilled water**.** **(1mk)**

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20. The diagram below represents a cell






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**(a)** Name the parts labeled X and Y **(2mks)**

**X: .....**

**Y: .....**

**b)** State why the structures labeled X would be more on one side than the other side. **(1mk)**

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**21.** How does diffusion gradient increase the rate of diffusion? **(1mk)**

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**22.** Differentiate between Botany and Zoology **(2mks)**

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**23.** Motor vehicle move, use energy and produce Carbon (IV) oxide and water similar characteristics occur in living organisms yet motor vehicles are not classified as living organism. Explain **(2mks)**

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**24.** List skills that are gained on studying Biology **(2mks)**

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**25.** Explain the importance of doing the following when testing a leaf for starch **(3mks)**

**i)** Boiling the leaf in water

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**ii)** Boiling in the methylated spirit in water bath

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**iii)** Placing a potted plant in the sun for 5 hours

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**26. a)** Complete the table given below. **(2mks)**

| Eye –piece lens magnification | Objective lens magnification | Total magnification |
|---|---|---|
| X 5 | _____ | X20 |
| X 10 | X5 | _____ |

**b)** State **two** activities of the cell that are controlled by nucleus **(2mks)**

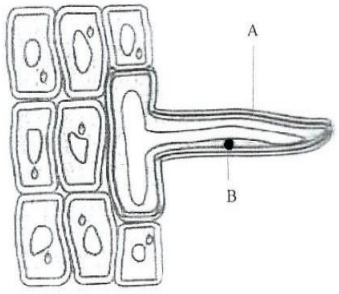
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**27.** Identify the specialized cell illustrated below **(1mk)**




**i) …….** **(1mk)**

**ii)** Name the parts labelled. **(2mks)**

**A: ……..**

**B: ……..**

**28.** State the function of each of the following tissues

**i)** Meristematic **(1mk)**

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**ii)** Blood **(1mk)**

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**29.** Differentiate between plasmolysis and crenation **(2mks)**

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**30.** The scientific name of an onion is ***Allium cepa*** Identify the genus and the species to which the organism belongs **(2mks)**

**a)** Genus……..

Species……

**b)** Outline two functions of carbohydrate in living organism **(2mks)**

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**c)** What are the building blocks of proteins **(1mk)**

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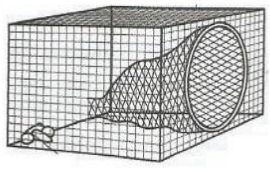
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**d)** Name the monosaccharides that make up the following substances

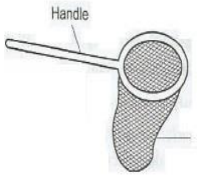
i) Sucrose……. **(1mk)**

ii) Lactose ……. **(1mk)**

**31.** The diagrams below represents common equipment used by Biologists



O




P



Q

**a)** Identify the equipment.

**O: ……..** **(1mk)**

**P: …….** **(1mk)**

**Q: ……** **(1mk)**



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**b)** State **two** necessary precautions to be observed when collecting specimens **(3mks)**

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**32.** Name the carbohydrate that is

**i)** Stored in plant seeds **(1mk)**

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**ii)** Stored in mammalian muscles **(1mk)**

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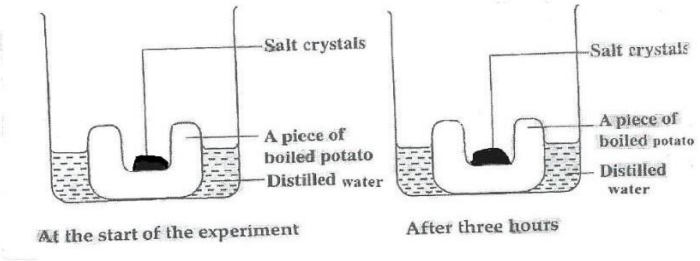
**iii)** Most abundant in human blood **(1mk)**

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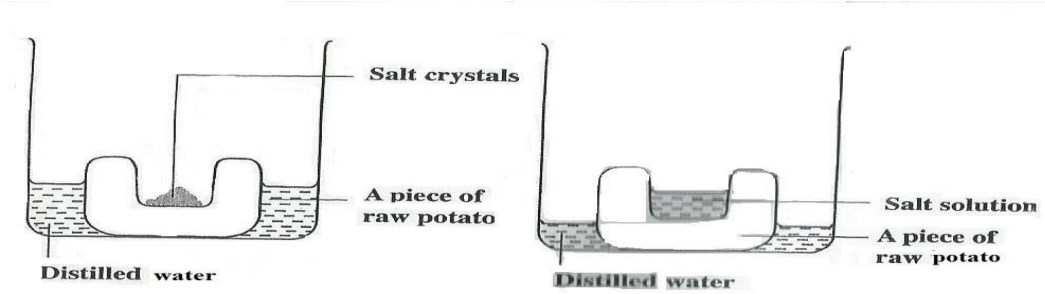
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**33.** A group of students set up the experiment below to investigate a certain physiological process

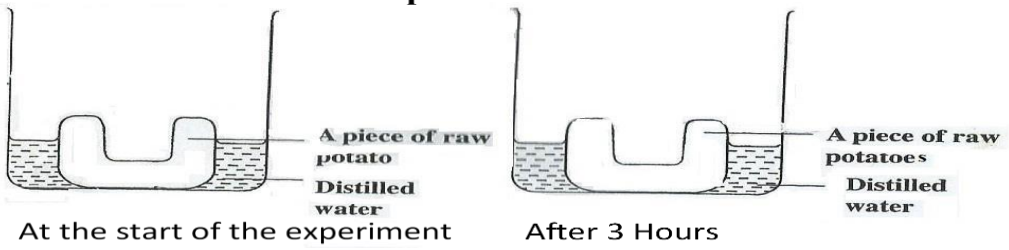
**Set up A**




**Set up B**




**Set up C**






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**i)** Name the physiological process being investigated **(1mk)**

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**ii)** Account for the results in set-up A and B

**A**

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**B**

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**iii)** What was the purpose of set-up **C**? **(1mk)**

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**34.** Name **two** structures found in plant cell that are absent in animal cell **(2mks)**

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# END



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# EXCELLING STUDENTS FORM ONE
# END TERM 2 SERIES ONE EXAMS

**NAME: …….**

**SHOOOL: …….**

**ADM NO: ……. SIGN:……..……..… DATE: ……..……..**

**TERM 2**
**BUSINESS STUDIES 565/1**
**FORM ONE (1)**

**TIME 2 Hours**

INSTRUCTIONS TO CANDIDATES

Answer all questions in the spaces provided.

**ii) FOR EXAMINERS USE ONLY**

| QUESTION | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| MARKS | | | | | | | | | | |

| QUESTION | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MARKS | | | | | | | | | | | | | | | |

TOTAL MARKS

**1.** Outline four reasons for running a business in a community. **(4mks)**

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**2.** Give four activities undertaken during distribution. **(4mks)**

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**3.** Give the meaning of the following terms as used in Business Studies. **(4mks)**

**a)** Services

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**b)** Consumption

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**c)** Production

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**d)** Distribution

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**4.** Give four components of Business studies. **(4mks)**

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5. The following are some of the types of business activities carried out in the community.

**a)** Extraction **b)** Processing of raw materials

**c)** Manufacturing **d)** Provision of services.

Caption the following activities with the correct type listed above. **(4mks)**



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**6.** Business resources are key components of internal business environment. Identify four of these resources. **(4mks)**

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7. Identify the type of human wants illustrated below using the terms **Basic, Comfort, and Luxuries**. **(4mks)**







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**8.** Highlight four ways in which commerce satisfies human wants. **(4mks)**

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**9.** Differentiate between goods and services. **(4mks)**

| Goods | Services |
|---|---|
| | |
| | |
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| | |

10. Classify the following resources as Natural, Man-made, Human, Renewable and Non-renewable **(4mks)**







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**11.** Identify the type of utility shown below. **(4mks)**









**12.** Highlight four characteristics of indirect production. **(4mks)**

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**13**. In the table below are some business activities and levels of production. Match each activity to the appropriate level. **(4mks)**

| Activity | Wrong Level of production | Correct Level of Production |
|---|---|---|
| Fishing | Direct personal services | |
| House building | Manufacturing | |
| Cooking ugali | Extraction | |
| Hairdressing | Construction | |

**14.** Identify four factors of production and their rewards. **(4mks)**

| **Factor of production** | **Rewards** |
|---|---|
| | |
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| | |
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**15.** Highlight four ways in which productivity of labour may be improved. **(4mks)**

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**16.** Highlight four importance of entrepreneurship to the economy. **(4mks)**

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**17.** Highlight four sources of business ideas. **(4mks)**

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**18.** Identify four qualities of a personal secretary. **(4mks)**

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**19.** Highlight **four** ways in which an open office lay-out can contribute to efficiency in office operations **(4mks)**

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**20.** Highlight **four** factors to be considered when selecting a method of re-producing documents **(4mks)**

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**21.** State **four** factors to consider when choosing an office layout **(4mks)**

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**22.** Identify the machine used for the following functions. **(4mks)**

| Function | Machine |
|---|---|
| Making stamp impressions on envelopes and mails | |
| Used to add and subtract sums | |
| Used to record verbal information on tapes | |
| Used for pinning documents together | |

**23.** Give four characteristics of entrepreneurs. **(4mks)**

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**24.** Give four ethical issues that a business needs to observe for effective operation in the society. **(4mks)**

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**25.** Highlight four advantages of an enclosed office layout. **(4mks)**

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# EXCELLING STUDENTS FORM ONE
# END TERM 2 SERIES ONE EXAMS

**NAME: ……**

**SHOOOL: ……**

**ADM NO: ……. SIGN……..… DATE: ……..**

**CHEMISTRY (233)**
**FORM ONE (1)**
**Time: 2 Hours**

**Instructions to candidates**

**(a)** Write your name, stream, and admission number in the spaces provided above.
**(b)** Answer **ALL** the questions in the spaces provided, and working **MUST** be clearly shown
**(c)** This paper consists of **9 printed pages**; Candidates should check the question paper to ascertain that all the pages are printed as indicated, and that no question is missing.

**FOR EXAMINERS' USE ONLY**

| QUESTIONS | MAXIMUM SCORE | CANDIDATE'S SCORE |
|---|---|---|
| 1 – 23 | 80 | |

**1.** A liquid is suspected to be water by a student in the laboratory. State **two** chemical tests that would confirm if it is true. **(2Mks)**

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**2.** Most laboratory apparatus are made of glass. Explain. **(2Mks)**

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**3.** Nancy was stung by a bee while at school. Her Chemistry teacher applied ammonia solution to the affected area of the skin and Nancy was relieved of pain. Explain. **(2Mks)**

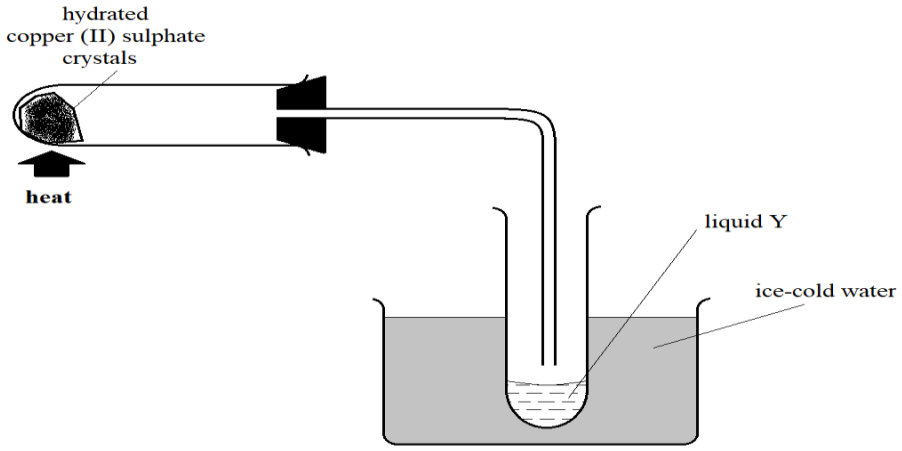
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**4.** Study the set-up below and answer the questions that follow




**a)** Give the observations made in the combustion tube during the experiment. **(1Mk)**

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**b)** What is the identity of **liquid Y**? **(1Mk)**

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**c)** With reason, state the type of change illustrated in the experiment above. **(2Mks)**

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**5.** State and explain **two** factors that determine the movement of coloured pigments in a paper chromatogram. **(2Mks)**

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**6.** How does the pH value of potassium hydroxide solution compare with that of ammonia solution? Explain. **(2Mks)**

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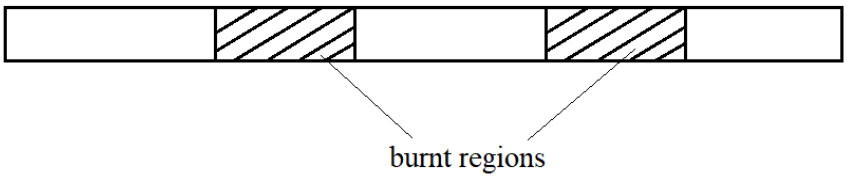
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**7.** The figure below shows a burning splint that was put in the middle of a non-luminous flame. Explain the results. **(2Mks)**




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**8.** The pH values of solutions **K**, **L**, **M**, **N**, and **P** are as shown in the table below.

| Solution | K | L | M | N | P |
|---|---|---|---|---|---|
| pH value | 5 | 2 | 10 | 7 | 14 |

**a)** Define the term pH **(1Mk)**

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**b)** Identify:

**i)** A weak acid _____ **(1Mk)**

**ii)** A strong acid _____ **(1Mk)**

**iii)** A neutral solution _____ **(1Mk)**

**9.** Which method can be used to obtain the following? **(3Mks)**

**a)** Salt from sea water _____

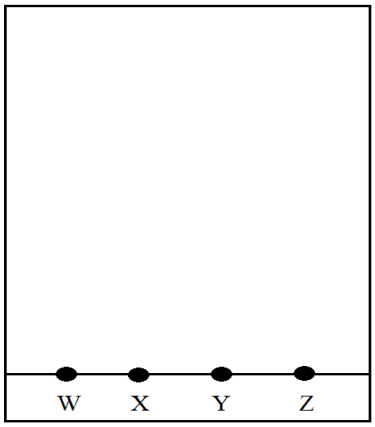
**b)** Petrol from crude oil _____

**c)** Oil from sunflower _____



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**10.** The diagram shows spots of pure substances **W**, **X**, and **Y** on a chromatography paper. Spot **Z** is that of a mixture.




After development **W**, **X**, and **Y** were found to have moved 8cm, 3cm, and 6cm respectively. **Z** had separated into two spots which had moved 6cm and 8cm.

**a)** On the diagram

**i)** Label the baseline **(1Mk)**

**ii)** Show the positions of all the spots after development **(3Mks)**

**b)** Identify the substances present in **mixture Z** **(2Mks)**

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**11.**

**a)** Name the elements present in the following compounds

**i)** Ammonium carbonate **(2Mks)**

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**ii)** Sodium peroxide **(1Mk)**

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**iii)** Potassium hydroxide **(1½ Mks)**

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**iv)** Magnesium nitrite **(1½Mks)**

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**b)** Write a word equation for the reaction between solid lead (II) carbonate and dilute sulphuric acid **(1Mk)**

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**c)** State and explain the observation made in the reaction above. **(2Mks)**

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**12.** Define the following terms:

**a)** Atom **(1Mk)**

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**b)** Acid **(1Mk)**

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**c)** Element **(1Mk)**

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**13.** Draw the following apparatus **(3Mks)**

**Separating funnel** | **Burette** | **Desiccator**

**14.** State the symbol of the following elements as used in chemistry **(3Mks)**

Sodium _____ Zinc _____ Cobalt _____

Silver _____ Gold _____ Carbon _____



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**15.** Describe how solid ammonium chloride can be separated from a mixture of ammonium chloride and anhydrous calcium chloride. **(2Mks)**

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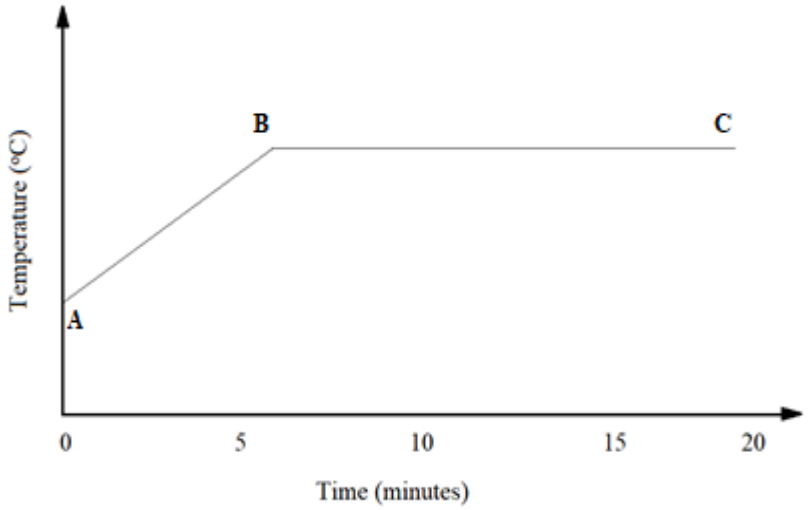
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**16.** Name and draw a Bunsen burner flame that is mostly used for heating in the laboratory **(4Mks)**

**17.** The graph below shows a curve obtained when water at 22$^{o}$C was heated for 20 minutes




**a)** What happens to the water molecules between points **A** and **B**? **(2Mks)**

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**b)** In which part of the curve does a change of state occur? **(1Mk)**

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**c)** Explain why the temperature does not rise between **B** and **C**. **(1Mk)**

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**18.** State the type of change that occurs during the following changes. **(3Mks)**

| Process | Type of Change |
|---|---|
| Souring of milk | |
| Neutralization | |
| Obtaining kerosene from crude oil | |

**19.** State **three** differences between mixtures and compounds **(3Mks)**

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**20.** Write word equations for the reactions that involve the following substances **(3Mks)**

**a)** Zinc and dilute hydrochloric acid

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**b)** Potassium hydroxide and sulphuric (VI) acid

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**c)** Potassium hydrogen carbonate and nitric (V) acid

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**21.** Study the table below and use it to answer the questions that follow.

| **Indicator** | **Colour in Acid** | **Colour in Base** |
|---|---|---|
| Methyl orange | | |
| Red and Blue Litmus paper | | |
| Phenolphthalein | | |



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**a)** Complete the table above to show the colour of different indicators in acidic and basic conditions. **(3Mks)**

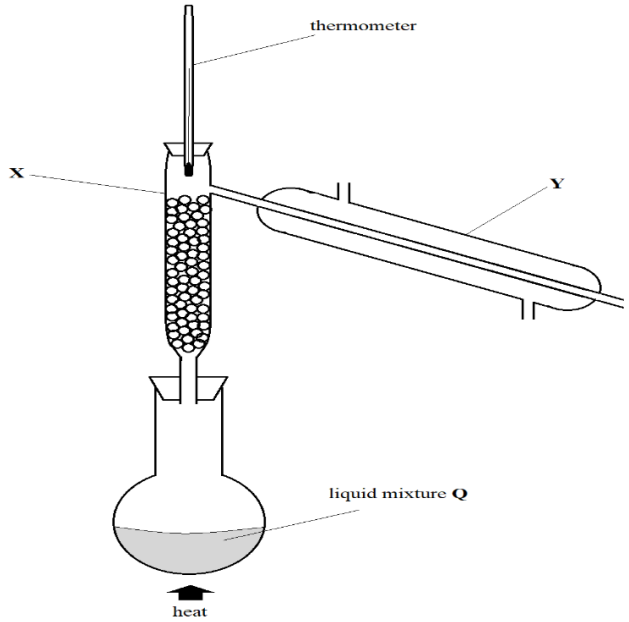
**b)** State **one** advantage that universal indicator has over other commercial indicators **(1Mk)**

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**22.** Study the diagram below that shows a method used to separate components of a mixture. Use it to answer the questions that follow




**a)** Name the equipment labelled **X** and **Y** **(2Mks)**

**X** _____

**Y** _____

**b)** Show the direction of flow of water in **Y** **(1Mk)**

**c)** State the physical property which allows the separation of mixtures **(1Mk)**

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**d)** Give **one** industrial application of this method of separation of mixtures **(1Mk)**

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**e)** Suppose **mixture Q** was paraffin and water, which apparatus would be used to separate them? **(1Mk)**

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**23.** During extraction of oil from nuts:

**a)** Why is it important to crush the nuts? **(1Mk)**

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**b)** Why are organic solvents preferred to water in the oil extraction? **(1Mk)**

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**c)** Describe how can one determine that the substance produced is oil. **(2Mks)**

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# EXCELLING STUDENTS FORM ONE
# END TERM 2 SERIES ONE EXAMS

**NAME: ……**

**SHOOOL: ……**

**ADM NO: ……. SIGN……..… DATE: ……..**

**TERM 2**
**COMPUTER STUDIES 451/1**
**FORM ONE (1)**
**TIME 2 Hours.**

**Instructions to Candidates**

- Write your Name and Index number in spaces provided above..
- Answer **ALL** the questions.

**1.** State four circumstances under which warm booting of a computer may be necessary **(4mks)**

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**2.** Give four factors to consider when choosing an input device **(4mks)**

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**3.** Describe four characteristics of a computer **(4mks)**

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**4.** State four non-electronic devices that were used to perform computations before the computers were developed **(4mks)**

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**5.** Describe four application areas of Magnetic stripe recognition **(4mks)**

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**6.** Describe three main elements of the central Processing Unit **(3mks)**

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**7.** List four advantages of digital camera as an input device **(4mks)**

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**8.** State six ways that a school need to employ in order to enhance security of computers in the Computer laboratory so as to prevent stealing of hardware and software **(6mks)**

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**9.** Give four differences between Static RAM and Dynamic RAM **(4mks)**

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**10.**

**(i)** What is a toggle key **(2mks)**

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**(ii)**Give three examples of Toggles key found on a standard keyboard **(3mks)**

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**11.** State the function of the following keys

**(i)** Tab **(2mks)**

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**(ii)** Enter **(2mks)**

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**(iii)** Backspace **(2mks)**

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**(iv)** Home **(2mks)**

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**12.**

**(i)** Give the SI unit for measuring computer Memory and speed **(2mks)**

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**(ii)** List three factors that influence the speed of a computer **(3mks)**

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**(iii)** Give five application areas of Optical Mark Recognition **(5mks)**

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**13.** Describe the following terms as used in computer display

**(i)** Pixel **(2mks)**

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**(ii)** Resolution **(2mks)**

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**(iii)** Color depth **(2mks)**

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**14.** Many Banking institutions in Kenya operate on electronic platforms. State five challenges they usually experience when using this approach **(5mks)**

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**15.**

**(i)** Why is computer referred to an electronic device **(2mks)**

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**(ii)** State the difference between Supercomputers and Minicomputers **(2mks)**

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**(iii)** Mention three advantages of a laptop computer **(3mks)**

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**16.** Mention five measures that should be observed in a computer laboratory to protect the users **(5mks)**

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**17.** Mention three Arithmetic and Two logic operations performed by ALU **(5mks)**

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**18.** Use abacus to represent the following numbers

**(i)** 2091 **(2mks)**

**(ii)**0451 **(2mks)**

**19.** Explain why RAM is regard as

**(a)**Working Memory **(2mks)**

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**(b)**Random Access Memory **(2mks)**

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**20.** Briefly describe how computers are used in transport industry **(4mks)**

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# EXCELLING STUDENTS FORM ONE
# END TERM 2 SERIES ONE EXAMS

**NAME: ……**

**SHOOOL: ……**

**ADM NO: …… SIGN……..… DATE: ……..**

## TERM 2
### CHRISTIAN RELIGIOUS EDUCATION (QUESTION PAPER)
## FORM ONE
## TIME 2 HOURS

**1 a)** List six minor prophetic books of the bible **(6mks)**

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**b)** Give four difference between the first and second account of creation **(8mks)**

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**c)** Outline six ways in which the Bible is used to spread the Gospel today **(6mks)**

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**2 a)** Identify the consequence of sin according to genesis 3-11. **(8mks)**

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**b)** Outline six ways in which wrong doers were punished in African society **(6mks)**

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**c)** State characteristics of God demonstrated in Genesis 3 **(6mks)**

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**3 a)** Outline seven ways in which Abraham demonstrated his faith in God **(7mks)**

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b) State seven promises God made to Abraham **(7mks)**

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**c)** Give five instructions given by God to Abraham concerning the Jewish circumcision **(5mks)**

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**4a)** State ways in which God prepared Moses for his future role as a leader **(7mks)**

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**b)** Identify the promises that the Israelites made during the renewing of the Sinai covenant. **(8mks)**

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**c)** What do Christians learn about God from the call of Moses. **(5mks)**

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**5a)** State six reasons why Samuel was against kingship in Israel **(6mks)**

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**b)** Outline the importance of the Temple in Jerusalem to the Israelites. **(8mks)**

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**c)** State six lessons Christians learn from the failure of King Saul **(6mks)**

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# EXCELLING STUDENTS FORM ONE
# END TERM 2 SERIES ONE EXAMS

**NAME: ……**

**SHOOOL: ……**

**ADM NO: ……. SIGN……..… DATE: ……..**

**Term 2**
**ENGLISH (101)**
**FORM ONE (1)**
**Time: 2½ Hours**

**Instructions to candidates:**

**a)** Write your name, school and index number in the spaces provided.

**b)** Sign and write the date of exam in the spaces provided.

**c)** Answer **all** the questions in this paper.

**d)** All your answers must be written in the spaces provided.

**For Examiner's Use Only:**

| SN | Question | Maximum Score | Candidate's Score |
|---|---|---|---|
| 1 | Functional Writing | 20 | |
| 2 | Cloze Test | 10 | |
| 3 | Oral Skills | 10 | |
| 4 | Comprehension | 20 | |
| 5 | Oral Literature | 20 | |
| 6 | Grammar | 20 | |
| | Total Score | 100 | |


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**1. FUNCTIONAL WRITING (20MKS)**

Imagine that you have been admitted to form one in a boarding school far from home
Write a letter to your aunt and tell her how your school is observing Covid-19 Protocols. **(10mks)**



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b. Prepare a shopping list of the things you would need to take with you to school. **(10mks)**


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## 2. CLOZE TEST (10MKS)

**Fill in the blank spaces in the passage below with the most appropriate word.**

How do you come to school? Do you walk? Do you **(1) …….** a bicycle? Do you come **(2) ……**bus? Do you travel a long way by train or lorry? Even if you attend a day school near your home and you are able to **(3) …….** School (4) **……** foot, you will probably see many moto-car and lorries in your town, **(5)……** there are roads in many parts of Africa. These roads make it possible for men to travel from one place to another in cars or lorries. We are not quite used to seeing vehicles in our streets and (6**) ……..** our roads.

It has not **(7) …….** been so. It is **(8) ……** a short time since the first motor-vehicles **(9) …….** to Africa. In fact, the first motor-car appeared in England (**10) ……** the year 1888.

## 3. ORAL SKILLS (10MKS)

**a. Give words that are pronounced the same as the following** **(3mks)**

1. Which- **……**
2. Tax- **……**
3. Whet- **……..**

**b. Read the conversation below between a mother and her twelve-year-old step-son. (5mks)**

**Mother:**Hey you good for nothing boy. Come here quickly.
**boy:**(panting hurriedly) Mum, here I am. Please tell me what you would like me to do.
**Mother:**use your head young man! Can't you ever think? Must I be the one to always tell you what to do?
**Boy:**please mummy, I was just cleaning the house and then planning to tend the flower garden.
**Mother:**you mean you've been cleaning the house for hours without end?
Lazy bone! I think all you deserve is a thorough beating.
**Boy:** please forgive me. I always try my best but I never seem to please you.
**Mother:** so you know! Do you now call me a cruel master, a hard to please master?
**Boy:** (kneeling) I'm sorry mum but that is not what I meant.
**Mother**: now go back to your work and stop calling me mum mum

Using illustrations from the dialogue pick out any five uses of etiquette. **(5mks)**

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c. Identify the silent letter in each of the following words. **(2mks)**

i. Handkerchief **…….**

ii. Pneumonia **…….**

**4. COMPREHENSION (20MKS)**

**Read the passage below and then answer questions that follow.**

Albinism is a group of inherited conditions in human, animals and plants characterized by hypo pigmentation. The lack of pigmentation creates the comparative lightness of skin, eyes and hair colour most commonly associated with albinism. What is less known, and perhaps of more importance is that all types of albinism are associated with eye disorders, including nystagmus (rapid involuntary horizontal eye movement), squinting, sensitivity to light and glare and reduced visual acuity.

Albinism affects all, regardless of their race and gather, although some sub-types of albinism are more prevalent among certain groups. The term albinism. Which uses the condition to be a dehumanizing term and is discouraged in favour of the term``person with albinism'' or even `` albinism person''

Albinism is perhaps one of the most misunderstood conditions in the world.

Researchers who have surveyed adolescent attitudes and beliefs towards the condition have found them to be negative. Some said that persons with albinism are biracial, they are mentally retarded and they have a contagious disease.

These unfortunate misconceptions are not limited to the youth but are represented in much of the general public. The general public's perception of albinism is further obscured by the gross misrepresentation of the condition in movies. For example, a recent major motion picture release called powder feature a character whose mother was struck by lightning, causing him to be born with albinism and supernatural powers. Even traditional sources of reference are not immune to misinformation. Webster defines albinism as simply ``the condition of being an albino.'' It goes on to define albino ``as a person whose skin, hair and eyes lack normal colouration because of genetic factors. Albinos have white skin, whitish hair and pink eyes.'' The definition is a popular misconception about albinism. In fact, many people with albinism go unrecognized as such by others, and indeed, sometimes even by themselves.

Albinism is an autosomal (non-sex related chromosome) recessive genetone disorder requiring both parents to carry the defective gene in order for their children to have albinism. There is, however, a rare type of X- linked albinism and unusual autosomal form.

People with albinism have the same life expectancy, similar variation in intelligence and the same general health problems as the rest of the population.

Although the visual problems are severe, the social and emotional ramifications may affect individuals more.



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With proper preventive methods and an awareness of the dangers of sun exposure, skin care is not a problem. By applying sunscreen, wearing hats and wearing opaque clothes when appropriate, people with albinism may engage in the same outdoor activities as fully pigmented people.

Questions

**a.** Explain what causes the features most commonly associated with albinism. **(2mks)**

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**b.** What types of eye disorders are associated with albinism? **(2mks)**

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**c.** In note form, summarize adolescents' mistaken beliefs about albinism. **(4mks)**

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**d.** What hazes the people's understanding of albinism? **(2mks)**

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**e.** Give one definition of albinism that is misleading according to the passage. **(3mks)**

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**f.** Give the evidence that some sub-types of albinism affect certain groups more than others. **(2mks)**

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**g.** Which is the finest way of helping people with albinism?

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**h.** Explain the meaning of the following words as used in the passage. **(3mks)**

**(a)** Obscured-

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**(b)** Defective-

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**(c)** Hypo-pigmentation-

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## 5. ORAL LITERATURE (20MKS)

**Read the narrative below and answer the follo2wing questions**

**`THE TORTOISE AND THE ELEPHANT'**

Along time ago, the tortoise would cheat the elephant until the elephant was tired of being cheated, the tortoise thought out once more what he would do to the elephant.

Early one morning, the tortoise went to the home of the elephant. When he got there he asked the elephant to go out for a walk with him, and both of them went off to the forest. When they got to the forest, the tortoise said to the elephant, `elephant, I have a good idea;; ``What idea tortoise?'' asked the elephant? ``I think we should have a riddle contest. You first '', said the tortoise. The elephant posed the first riddle and said, ``my house has no door and no window, what is it? ``The tortoise said. ``An egg.'' The tortoise said, ``A large bird sings a small bird steals. ``The elephant tried to think of the answer until he nearly went out of his mind and then said, `` I cannot solve it'' The tortoise said, ``come, let us go, and I will tell you the solution. But this riddle requires that a person should eat plenty of honey first, and I know where we can get such honey''



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So the elephant followed the tortoise until they came to where the honey was. They went to the bee hive and the tortoise said to the elephant. ``Put your trunk into the hive and get some honey for us to eat'' The elephant put his trunk into the hive, and started to scoop as much honey as he could..

The tortoise waited anxiously. The elephant removed his trunk and gave all the honey to the tortoise. The tortoise started eating the honey hungrily. He said to the elephant, ``the honey is so sweet but this will not be enough for both of us. Put the trunk in the hive once more and scoop some more honey.'' The elephant obeyed and put his trunk into the hive and started to scoop some more honey.

Before he could remove his trunk, the hive slipped and trapped the elephant's trunk. He cried out to tortoise, saying, ``please help me. I am going to die here?'' Put the tortoise laughed and refused to help him remove his trunk.

Meanwhile, the bees inside the hive were disturbed and stung the elephant furiously. The elephant was stung until he died as the tortoise walked away. The tortoise is very cunning.

**Questions**

**a.** Classify the above narrative and give a reason for your answer. **(2mks)**

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**b.** What did the tortoise ask the elephant to do early one morning? **(2mks)**

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**c.** What `good' idea did tortoise have? Do you agree it was a good idea? Why? **(3mks)**

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**d.** Do you find the elephant foolish? Explain your answer**.** **(3mks)**

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**e.** Identify and illustrate four characteristics features of the above narrative. **(8mks)**

**f.** What moral lesson is evident from the narrative? **(2mks)**


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**6. GRAMMAR (20MKS)**

**a. Fill in the blank with correct preposition.** **(2mks)**

i.He is studying **…….……** a degree in physics.

ii.Anne is very good**…….……**mathematics.

**b. Join the following sentences using an appropriate conjunction.** **(2mks)**

**(i)** We wanted to swim
The water was too shallow.

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**(ii)** You can eat chicken today.
You can eat beef today.

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**c. Rewrite the following sentences using pronouns where necessary to avoid repetition of the nouns in the sentences.** **(3mks)**

**(i)** The chef made a tasty meal and the chef gave it to us.

……

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**(ii)** The teacher looked at the car and quickly knew that the car was hers.

……

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**(iii)**The employees were unhappy when the employees failed to finish the job.

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**d. Fill in the blanks with the correct possessive pronoun.** **(2mks)**

**(i)** The ball belongs to them. It is **…….**

**(ii)** The country belongs to us. It is **……**

**e. Use a, an, or the to fill in the blank spaces below.** **(4mks)**

**(i)** I have **……..** European friend
**(ii)** We meet three times in **…….……** year.
**(iii)** I like **……..…….** honest person.
**(iv)** **……** rhino is an endangered species.


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**f. Fill the blanks using the correct form of the verb in brackets**.

**(i)** My father **…….** (begun, began) cooking lessons last month.

**(ii)** Her glasses **……** (broke, broken) when she fell.

**(iii)** Paulina **…….** (run, ran) to catch her Nissan to Lodwar this morning.

**(iv)** James **……** (rode, rid) a bicycle yesterday.

**(v)** We**……...** (spent, spend) the night in the cold.

**g.Supply correct question tags to the following.**

**(i)** Let us go home**…….?**

**(ii)** I am pleased with you, **……...?**

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# EXCELLING STUDENTS FORM ONE
# END TERM 2 SERIES ONE EXAMS

**NAME: ……**

**SHOOOL: ……**

**ADM NO: ……. SIGN……..… DATE: ……..**

## TERM 2
## GEOGRAPHY (QUESTION PAPER)
## FORM 1
## TIME 2 HOURS

**INSTRUCTIONS TO CANDIDATES**

- *This paper has two sections **A** and **B**.*
- *Answer **all** the questions in section **A and B**.*
- *All answers must be written in separate answer sheets.*

**SCORE SHEET**

| | |
|---|---|
| SECTION A | |
| QUESTIONS 6 | |
| QUESTION 7 | |
| QUESTION 8 | |
| TOTAL | % |

## SECTION A
### *Answer all the questions in this section*

**1. (a)** Give two effects of the revolution of the Earth on its Orbit. **(2mks)**

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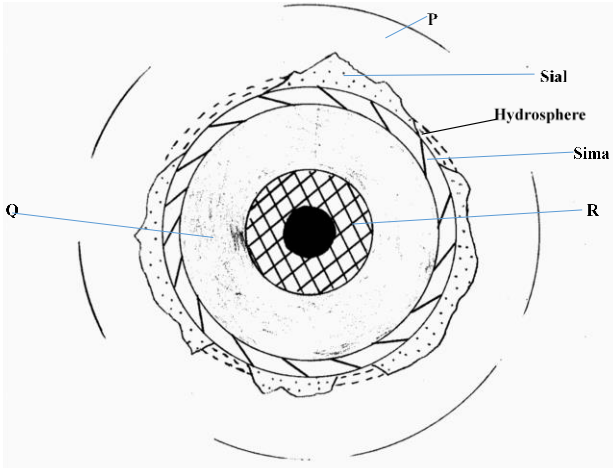
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**2. (b)** The diagram below shows the structure of the Earth. Use it to answer




(**ii**) **State two** characteristics of the Earths oceanic crust (sima**).** **(2mks)**

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**3. a)** State two conditions necessary for formation of a fog. **(2mks)**

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**b)** State three factors that determine the amount of solar radiation, which reaches the surface of the earth. **(3mks)**

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**4. a)** Explain the relationship between Geography and geology. **(2mks)**

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**b)** State three reasons as to why the shape of the earth is spherical. **(3mks)**

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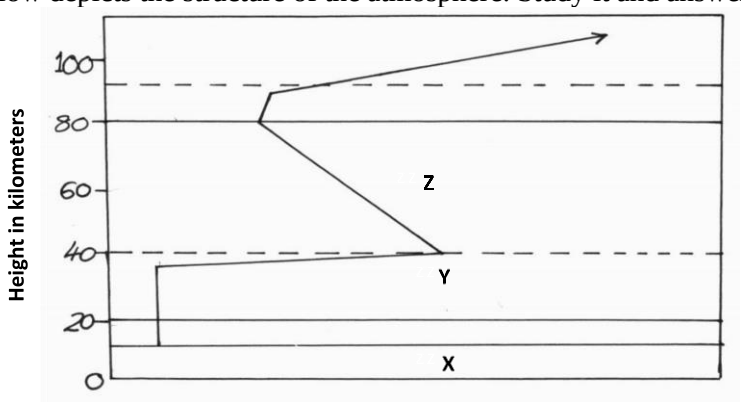
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**5** The diagram below depicts the structure of the atmosphere. Study it and answer the questions that follow:




**(i)** Identify the marked parts

**X:……** **(1mk)**

**Y:……..** **(1mk)**

**Z:……** **(1mk)**

**(ii)** State any **two** characteristics of layer marked X above. **(2mks)**

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**(iii)**List **three** importance of the carbon dioxide found in the atmosphere. **(3mks)**

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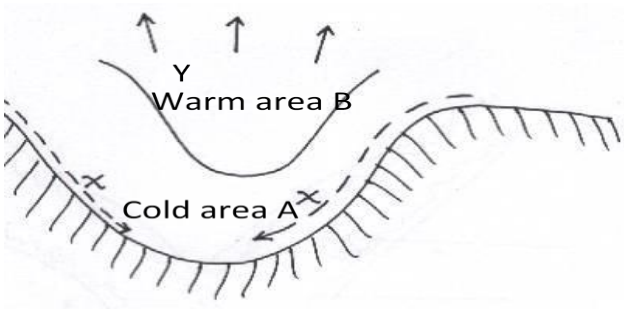
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**6** The diagram below shows a typical example of a local wind in a mountainous region.




Valley in the mountain



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**a.** Name the winds marked X and Y. **(2mks)**

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**b.** Give two reasons why the area marked B is warmer than the area marked A. **(2mks)**

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**SECTION B:**
**Answer all the questions**

**7** Use the table below to answer questions (a) and (b)

| Month | Jan. | Feb. | Mar. | Apr. | May. | Jun. | Jul. | Aug. | Sep. | Oct. | Nov. | Dec. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temp. | 27°c | 27 °c | 28 °c | 28 °c | 25 °c | 25 °c | 24 °c | 25 °c | 28 °c | 28°c | 27 °c | 27 °c |
| Rainfall | 60 | 65 | 150 | 180 | 100 | 100 | 90 | 80 | 100 | 164 | 100 | 80 |

**a.** Calculate:

**(i)** the annual temperature range **(2mks)**

**(ii)** mean annual rainfall **(2mks)**

**b. (i)** Using a scale of 1 cm to represent 10mm of rainfall and 1cm to represent $5^0$C, draw a combined line and bar graph to represent above data. **(8mks)**

**(PROVIDE A GRAPH PAPER)**

**i.** Give three advantages of using above method to represent data. **(3mks)**

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**ii.** Apart from above method, name three other ways of ways you can use to represent data**.** **(3mks)**

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**c. (i)** What is primary data? **(2mks)**

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**(ii)** State five reasons why statistics are important. **(5mks)**

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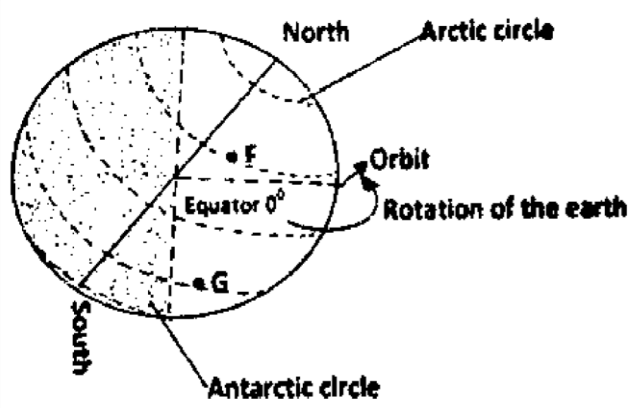
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**8** The diagram below represents the earth on its axis. Use it to answer question (a)




**a) i)** Name the latitudes marked **F** and **G.** **(2mks)**

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**ii)** What is the angle of inclination of the earth's axis from its orbit? **(1mk)**

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**b) i)** What is the meaning of rotation of the earth? **(2mks)**

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**ii)** State two effects of rotation of the earth. **(2mks)**

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**iii)** Identify the shape of the earth. **(1mk)**

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**c) (i)** State any **four** evidences that support the shape of the earth. **(4mks)**

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**(ii)** The time at Conakry (Guinea) 10º W is 10.00am. What is the time at Mogadishu 37ºE?

**d)** Explain five reasons why geography is important. **(10mks)**

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**8. (a) (i)** Differentiate between a map and a picture. **(2mks)**

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**(ii)** Apart from sketch maps, name two other types of maps. **(2mks)**

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**(iii)** State four qualities of a good sketch map. **(4mks)**

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**(b) (i)** Define the term scale. **(2mks)**

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**(ii)** State two uses of scales. **(2mks)**

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**(iii)** Convert a scale of **1cm represents 1km** to ratio form. **(2mks)**



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**(c) (i)** Define the term weather forecasting. **(2mks)**

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**(ii)** Explain three ways how weather forecasting influence daily activities. **(6mks)**

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**(iii)** State three reasons why weather data may be inaccurate. **(3mks)**

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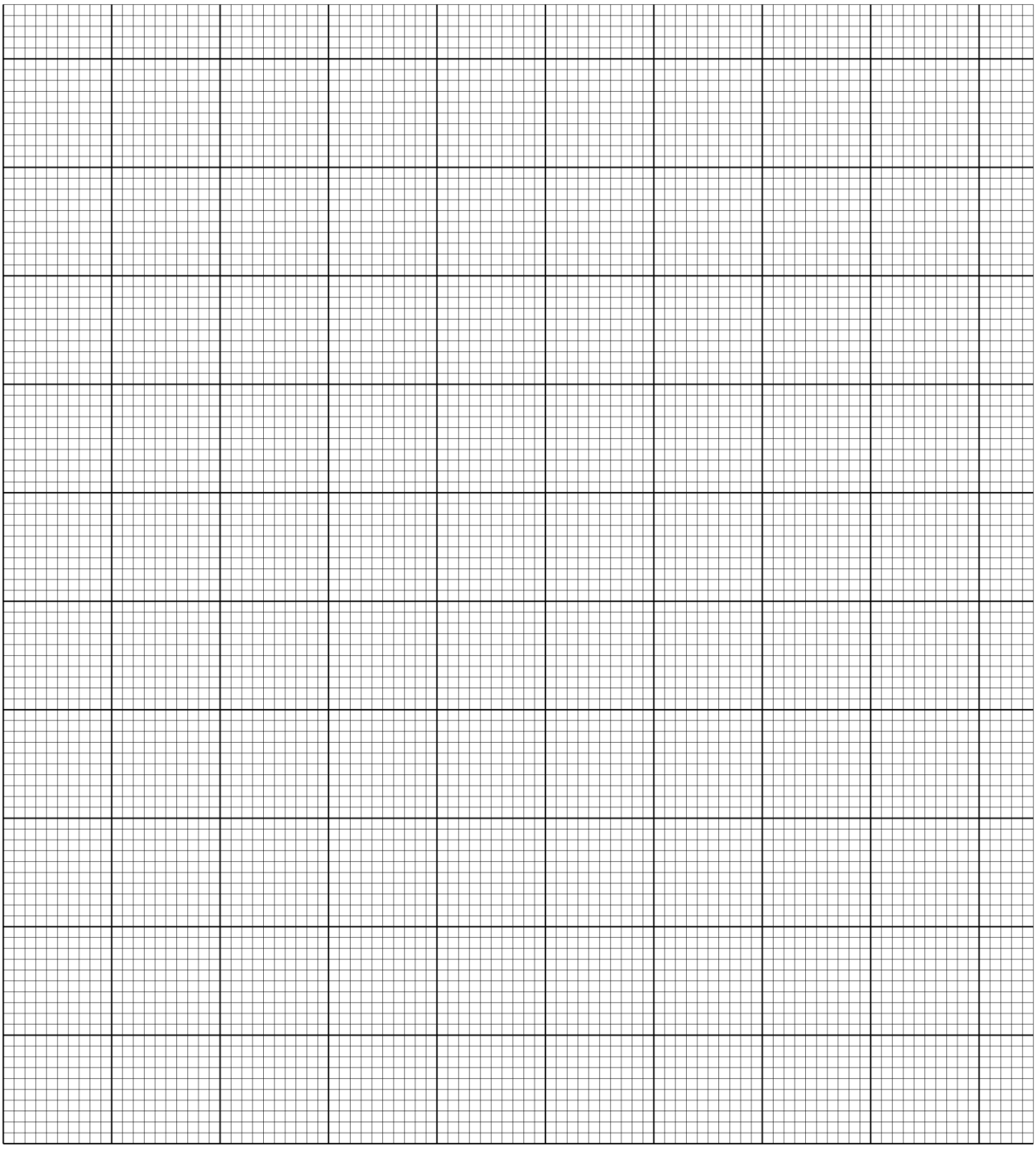
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# EXCELLING STUDENTS FORM ONE
# END TERM 2 SERIES ONE EXAMS

**NAME: ……**

**SHOOOL: ……**

**ADM NO: …….. SIGN……..… DATE: ……..**

**Term 2**
**HOME SCIENCE (441/1)**
**FORM ONE (1)**
**Time: 2 Hours**

| Section | Question | Maximum Score | Student's Score |
|---|---|---|---|
| A | 1- 20 | 40 | |
| B | 21 | 20 | |
| | | 20 | |
| | | 20 | |
| TOTAL SCORE | | 100 | |

**SECTION A (40 marks)**

*Answer all questions in this section in the spaces provided*

**1.** Give **two** ways of providing shelter to a family. **(1mk)**

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**2.** List down **four** main methods of removing dirt from your classroom. **(2mks)**

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**3.** Mention **two** reasons for stuffing leather shoes before storage. **(2mks)**


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**4.** Give **two** ways of ensuring that fresh milk at home is safe for consumption. **(2mks)**

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**5.** Highlight **three** considerations to make when choosing cleaning agents when caring for the home. **(3mks)**

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**6.** Give **two** reasons why hot water is poured down a kitchen sink after cleaning. **(2mks)**

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**7.** Suggest **two** preparations done when beginning to stitch using a sewing machine. **(2mks)**

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**8.** Identify **two** ways in which the skin protects the body. **(2mks)**

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**9.** Mention **two** points to bear in mind when caring for the first aid box. **(2mks)**



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**10.** Suggest **two** measures you would take immediately a classmate nose bleeds. **(2mks)**

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**11.** Give **two** reasons of soaking a dirty handkerchief in cold salty water**.** **(2mks)**

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**12.** Identify **two** desirable qualities of a palette knife. **(2mks)**

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**13.** Suggest **two** advantages of using a food slicer. **(2mks)**

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**14.** Give **two** limitations of a traditional house design. **(2mks)**

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**15.** Mention **two** benefits of combing hair. **(2mks)**

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**16.** Highlight **four** aims of a first aider. **(2mks)**

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**17.** Give **two** uses of a deep frying basket. **(2mks)**

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**18.** Suggest **two** ways to ensure dust is not raised when sweeping. **(2mks)**

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**19.** Mention **two** good characteristics of enamel utensils. **(2mks)**

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**20.** Give the function of the following kitchen equipment. **(2mks)**

a. Skewer _____

b. Parring knife _____

## SECTION B

### Compulsory (20 marks)

**21.** You are helping your mother with housing chores during the Christmas holiday.



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a. Describe how you would thoroughly clean a sweeping broom with a varnished wooden handle. **(10mks)**

b. Outline the procedure you would use to clean a plastic dustbin in the kitchen. **(10mks)**

## SECTION C (40 MARKS)

***Answer any two questions in the spaces provided at the end of this section.***

**22. (a)** State **four** uses of carbohydrates in the body. **(4mks)**

**(b)** Explain **four** personal hygiene practices unique to adolescence. **(4mks)**

**(c)** Highlight **six** problems associated with renting a house in a city. **(6mks)**

**(d)** Explain **six** special cleaning activities carried out in the food storage area. **(6mks)**

**23. (a)** Mention **four** limitations of flats/apartments. **(4mks)**

**(b)** Mention **four** ways of a short and plump person can use to give an illusion of height and slimness through her mode of dressing. **(4mks)**

**(c)** Give **six** reasons why daily cleaning of a home is important. **(6mks)**

**(d)** Mention **six** ways of preventing the spread of dandruff. **(6mks)**

**24. (a)** Highlight **four** ways of caring for a kitchen sink. **(4mks)**

**(b)** Outline **six** qualities of a kitchen floor. **(6mks)**

**(c)** Explain **three** basic instructions on the use of medicine. **(6mks)**

**(d)** State **four** factors to consider when choosing hats. **(4mks)**

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# EXCELLING STUDENTS FORM ONE
# END TERM 2 SERIES ONE EXAMS

**NAME: ……**

**SHOOOL: ……**

**ADM NO: ……. SIGN……..… DATE: ……..**

**Term 2**
**HISTORY AND GOVERNMENT (311)**
**FORM ONE (1)**
**Time: 2½ Hours**

***INSTRUCTIONS TO THE CANDIDATES:***

This paper consists of **three** sections **A, B** and **C.**
Answer **ALL** questions in section **A,** section **B** , and section **C**
Answers to **all questions** must be written in a separate booklet provided.

| SECTION | QUESTIONS | MARKS |
|---|---|---|
| A | 1-17 | |
| | 18 | |
| | 19 | |
| | 20 | |
| | 21 | |
| | 22 | |
| TOTAL | | |

**1.** Identify one unwritten source of Kenyan history **(1mk)**

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**2.** Name two sub-clans of the Mijikenda **(2mks)**

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**3.** State two Methods of dating fossils **(2mks)**

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**4.** Give two Stages of evolution of species according to Charles Darwin **(2mks)**

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**5.** Identify the type of tools made during the middlestone age period **(1mk)**

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**6.** State two theories explaining origin of agriculture **(2mks)**

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**7.** Give the name of the historical site where the remains of kenyapithicus were discovered. **(1mk)**

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**8.** Give two natural calamities that influenced the migration of the Eastern cushites into Kenya. **(1mk)**

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**9.** State one similarity in the political organization of the Ameru and Abagusi of Kenya in the 19$^{th}$century **(1mk)**

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**10.** Identify two examples of the highland Bantu **(2mks)**

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**11.** State the main economic activity of the Cushites during the pre-colonial era **(1mk)**

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**12.** Identify two age-grades for elders among the Akamba. **(2mks)**

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**13.** State the first settlement area of the Luo during their migration from Sudan. **(1mk)**

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**14.** Name two rivers which were associated with early agriculture in Mesopotamia. **(1mk)**

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**15.** State two political functions of the Oloibon among the Maasai during the 19th century. **(2mks)**

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**16.** Give the main reason why the period of early man is referred to as the Stone Age. **(1mk)**

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**17.** Name the community in Kenya that belongs to the Southern Cushites**.** **(1mk)**

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## SECTION B (45 MARKS)

**18.a)** Give five reasons which influenced the migration of the plain Nilotes to Kenya during the pre-colonial period. **(5mks)**

**b)** Explain five results of the migration and settlement of the Maasai in Kenya during the pre-colonial period. **(10mks)**

**19. (a)** State five reasons why early people domesticated crops and animals during the Neo-lithic period.

**(b)** Explain five causes of food shortages in Africa today. **(10Mks)**

**20. a)** Identify three sub-species of Homosapiens. **(3Mks)**

**b)** Describe the way of life of human being during his middle Stone age. **(12mks)**



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## SECTION C (30 MARKS)
## ANSWER ALL THE QUESTIONS IN THIS SECTION

**21 (a)** State five similarities in the social organization of the Agikuyu and the Luo during the pre-colonial period. **(5mks)**

**(b)** Describe the political organisation of the Luo during the pre-colonial period. **(10mks)**

**22.a)** Identify three arms of government **(3mks)**

**b)** Explain six problems face archaeologists in their work of re writing history using unwritten sources **(12mks)**

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# EXCELLING STUDENTS FORM ONE
# END TERM 2 SERIES ONE EXAMS

**NAME: ……**

**SHOOOL: ……**

**ADM NO: ……. SIGN……..… DATE: ……..**

## TERM 2
## ISLAMIC RELIGIOUS EDUCATION (QUESTION PAPER)
## FORM 1
## TIME 2 HOURS

**INSTRUCTIONS**:

*1. This paper contains five (5) questions.*

*2. Answer all questions*

*3. Write your answers in the answer sheet provided.*

*4. All answers must be in English.*

**1.(a)** Identify **five** other names of the Qur'an **(5mks)**

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**(b)** State **five** lessons a Muslim can learn from *suratul Fiil*. **(5mks)**

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**(c)** Explain **five** reasons for the revelation of the Holy Qur'an. **(10mks)**

**2. (a)** Describe the ways through which *Hadith* evolved. **(10mks)**

**(b)** Discuss the significance of *Hadith* to Muslims. **(10mks)**


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**3.(a)** Identify seven acts that are forbidden while in the state of *janaba* (ritual impirity) **(7mks)**

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**(b)** Explain the importance of *swalat* in the life of a Muslim **(5mks)**

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**(c)** Mention the recipients of *Zakat*. **(8mks)**

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**4.(a)** State the pillars of faith. **(6mks)**

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**(b)** Explain six reasons why *shirk* is condemned in Islam **(6mks)**

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**(c)** Give four differences between angels and human beings **(8mks)**

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**5. (a)** Identify five deeds that can strengthen the faith of a Muslim **(5mks)**

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**(b)** State **five** examples of Munkarat. **(5mks)**

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**(c)** Explain five importance of Islamic morality. **(10mks)**

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# EXCELLING STUDENTS FORM ONE
# END TERM 2 SERIES ONE EXAMS

**NAME: ……**

**SHOOOL: ……**

**ADM NO: ……. SIGN……..… DATE: ……..**

## MTIHANI WA PAMOJA
### KISWAHILI KIDATO CHA KWANZA
### MTIHANI WA MUHULA WA PILI
### MUDA: SAA 2 ½

**Maagizo:**

1. Jibu maswali yote.
2. Majibu yote yaandikwe katika nafasi ulizoachiwa katika karatasi hii ya maswali
3. Majibu yote **lazima** yaandikwe kwa lugha ya Kiswahili
4. Karatasi hii ina kurasa 8 zilizopigwa chapa
5. **Watahiniwa ni lazima wahakikishe kuwa kurasa zote za karatasi hii zimepigwa chapa sawasawa na kuwa maswali yote yamo.**

**Kwa Matumizi ya Mtahini Pekee.**

| Swali | Upeo | Alama |
|---|---|---|
| 1. UFAHAMU | 15 | |
| 2.MATUMIZI YA LUGHA | 40 | |
| 3.ISIMU JAMII | 10 | |
| 4.FASIHI SIMULIZI | 15 | |
| Jumla | 80 | |

**SEHEMU YA A: Soma Taarifa ifuatayo kisha ujibu maswali**

Toka binadamu aanze kuishi katika jamii, swali moja ambalo limemshughulisha kwa mapana na marefu ni aina ipi ya jamii ambayo inafaa? Binadamu ameishi ulimwenguni kwa karne nyingi na bado swali hili linabakia palepale. Je, ni jamii ipi ambayo inafaa?Kwa mfano , kwetu sisi kama wakenya ni jamii ipi ambayo ni nzuri kwetu?Hili ni suala ambalo linaweza kumfanya mtu ajikune kichwa kwa muda mrefu na labda hata kukosa kupata jibu la moja


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kwa moja. Lakini kimsingi kuna sifa kadha zinazotambulisha jamii ambayo wengi wetu tutaipenda; tutaionea fahari na kutamani kuishi katika jamii hiyo.

Kila mtu anatamani kuwa na uhuru wa kufanya mambo yanayompendeza na kumfurahisha.Huu ni mtazamo mzuri lakini sote tunajua kwamba binadamu haishi pekee yake bali anaishi na binadamu wenzake.Hii ina maana kuwa uhuru wa mtu binafsi lazima uzingatie uhuru wa binadamu hao wengine. Kwa mfano, uhuru wa mtu mmoja wa kusali na kuomba lazima uzingatie kuwa jirani ana uhuru wa kulala bila ya kubughudhiwa usiku. Kimsingi ni kuwa ikiwa uhuru wa mtu mmoja utaingilia uhuru wa mwenzake basi pana tatatizo.Hali hii inatukumbusha kuwa uhuru huenda na kiwango na uwajibikaji yaani, kuujua wajibu wako kama mtu.

Ili jamii bora ipatikane ni lazima kuwepo na sheria na taratibu au kanuni zinazokubalika na wanajamii wote. Haitoshi tu ziwepo sheria na kanuni bali lazima sheria hizo zifuatwe na kuwaongoza wanajamii wote. Ikiwa mwanajamii yeyote atakiuka sheria fulani anapaswa kuadhibiwa kwa mujibu wa sheria zilizoko bila ya mapendeleo. Upendeleo unapozuka unajenga uadui kati ya wanajamii waliopo ambao huenda wahisi kuwa kuna watu wanaopendelewa na sheria na wengine kudhulumiwa na sheria hizo. Huu unakuwa msingi wa chuki kati ya makundi ya jamii na ni moja kati ya mambo yanayoishia kuleta mvutano wa makundi na hatimaye hata mapigano.

Mahitaji ya binadamu ulimwenguni mzima yanawiana kwa kiasi kikubwa. Sote tunahitaji maji safi, chakula bora, hewa safi, malazi mazuri na makazi mema. Haya ni mahitaji ya kimsingi na kila mtu hutamani kuyapata. Sote tunakuwa na furaha kuishi katika jamii ambapo mahitaji haya yanapatikana bila kulazimika kuingilia uhalifu au kujitosa kwenye maovu mengine ya kijamii. Jamii ifaayo ni ile ambayo inakidhi mahitaji haya kwa wote. Hii ina maana kuwa lazima kila mwanajamii aweze kupata maji safi yasiyoweza kuidhuru afya yake.

Jamii nzuri ni ile ambayo inahakikisha kuwa kila haki za kila mwanajamii zimelindwa; pana usalama wa kila mwanajamii na kwamba kila mwanajamii ana fursa ya kujiendeleza kadri ya uwezo wake ilmuradi havunji sheria zilizopo. Jamii ya aina hiyo inahakikisha kuwa hakuna mapendeleo kwa kundi fulani la wanajamii kwa msingi wowote ule.

**MASWALI**

**a)** Toa anwani mwafaka kwa taarifa hii **(alm1)**

……

……

……

**b)** Kwa nini swali kuhusu ni jamii ipi inayofaa linaweza kumfanya mtu ajikune kichwa? **(alm2)**

……

……

……

……

**c)** Mtu haishi pekee yake bali anaishi na binadamu wengine. Kutokana na ukweli huu, mtu anafaa kuishije na wenzake**?** **(alm2)**

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……

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**d)** Upendeleo katika kutekeleza sheria una hatari gani**?** **(alm4)**

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**e)** Taja mahitaji matatu ya kimsingi ya binadamu. **(alm3)**

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**f)** Eleza maana ya msamiati ufuatao kama ulivyotumiwa katika taarifa **(alm3)**

**i)** Wanajamii

……

……

**ii)** Mahitaji

……

……

**iii)** sheria

……

……

## SEHEMU B - MATUMIZI YA LUGHA (ALAMA 40)

**a)** Tofautisha konsonanti na irabu **(alm2)**

……

……

……

**b)** Kwa kurejelea mahali pa kutamkia, hizi ni konsonanti za aina gani? **(alm2)**

**i) /dh/……**

**ii) /b/.....**



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**c)** Taja sifa mbili mbili kwa irabu uliyopewa. **(alm2)**

**i) /i/……**

**ii) /u/.....**

**d)** Andika neno lenye silabi yenye muundo huu**.** **(alm1)**

**i)** KKI

……

……

**e) i)** Kiimbo ni nini? **(alm1)**

……

……

**ii)** Tambua aina mbili za sentensi kwa kuzingatia kigezo cha kiimbo. **(alm2)**

……

……

……

**f)** Wekea shadda neno **(alm1)**

mkulima

……

……

**g)** Tunga sentensi kwa kutumia nomino ya**;** **(alm2)**

**i)** kawaida/ jumla

……

……

**ii)** Kitenzi jina

……

……

**h)** Tunga sentensi moja moja kuonyesha matumizi ya: **(alm2)**

(i) Parandesi

……

……

(ii) kibainishi.

……

……

……



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**i)** Kwa kutoa mifano, eleza miundo miwili ya nomino katika ngeli ya A-WA **(alm2)**

……

……

……

……

**j)** Kamilisha jedwali hili. (alama 3)

| kutenda | kutendea | kutendwa | kutendeka |
|---|---|---|---|
| soma | ---------- | ---------- -- | ---------- |
| ---------- | pigia | ---------- -- | ---------- |

**k)** Kanusha sentensi hii. **(alm2)**

Utaadhibiwa vikali na mzazi

……

……

**l) i)** Mofimu ni nini? **(alm1)**

……

……

**ii)**Bainisha mofimu katika neno hili. **(alm3)**

Aliyesomewa

……

……

……

……

**m)** Andika kwa wingi udogo**.** **(alm2)**

Mtoto huyo alilamba sahani yake

……

……

……

……

**n)** Tunga sentensi moja kudhihirisha maana mbili za neno.

mbuzi **(alm2)**

……

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……



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**o)** Bainisha aina za maneno katika sentensi hii **(alm3)**
Uchoyo hautakikani shuleni

……

……

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**p)** Tofautisha kiima na kiarifu katika sentensi ya Kiswahili **(alm2)**

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**q)** Changanua kwa mistari **(alm4)**
Mkulima stadi alipalilia vyema

……

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**r)** Andika neno lenye muundo huu
Kipasuo sighuna cha ufizi, Irabu ya kati nyuma, Irabu ya kati chini. **(alm1)**

……

……

……

## SEHEMU C – ISIMU JAMII (ALAMA 10)

**a)** Eleza maana ya msamiati ufuatao wa isimujamii. (alama 4)

**i)** Lafudhi

……

……

**ii)** Lahaja

……

……


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**iii)** Sajili

……

……

**iv)** Lugha

……

……

**b)** Fafanua mambo yoyote matatu yanavyodhibiti matumizi ya lugha katika jamii **(alm6)**

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**SEHEMU D - FASIHI SIMULIZI (ALAMA 15)**

**a)** Hadithi ni nini? **(alm1)**

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……

**b)** Eleza umuhimu wa hadithi katika jamii yako **(alm5)**

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**c)** Fafanua vipera vifuatavyo vya hadithi **(alm10)**

**i)** hurafa

……

……

……

**ii)** hekaya

……

……

……

**iii)** visasili

……

……

……

**iv)**mighani

……

……

……

**v)** ngano za mtanziko

……

……

……



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# EXCELLING STUDENTS FORM ONE
# END TERM 2 SERIES ONE EXAMS

**NAME: ……**

**SHOOOL: ……**

**ADM NO: ……. SIGN……..… DATE: ……..**

**TERM 2**
**MATHEMATICS (QUESTION PAPER)**
**FORM 1**
**TIME 2½ HOURS**

***Instructions to Candidates***

*(a) Write your name, admission number and class in the spaces provided above.*
*(b) Sign and write the date of examination in the spaces provided above.*
*(c) This paper consists of **two** sections**; Section I** and **Section II.***
*(d) Answer **all** the questions in this paper*
***(e) Show all the steps in your calculations, giving your answers at each stage in the spaces provided below each question***
*(f) Marks may be given for correct working even if the answer is wrong.*
*(g) Non-programmable silent electronic calculators and KNEC Mathematical tables may be used, except where stated otherwise.*
***(h) This paper consists of 11 printed pages.***
***(i) Candidates should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.***

**For Examiner's Use Only**
**Section I**

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | |

**Section II**

| 17 | 18 | 19 | 20 | 21 | Total |
|---|---|---|---|---|---|
| | | | | | |

**Grand Total**


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## SECTION I (50 Marks)

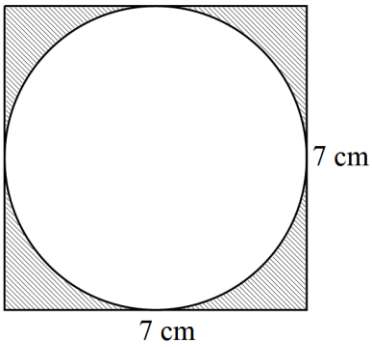
*Answer **all** the questions in this section in the spaces provided below each question*

**1.** Evaluate: **(3mks)**

$$\frac{(-3) \div (-6) + (23) - 6 \text{ of } 3}{4 \times 6 + \frac{1}{25} \div 0.05 + \frac{1}{5}}$$

**2.** Use tables of squares and square roots only to evaluate $\sqrt{0.8008} + (4.491)^2$ **(3mks)**

**3.** The figure below shows a circle inscribed in a square of side 7 cm.




Calculate the area of the shaded region **(3mks)**



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**4.** Maina bought 24 trays of eggs at Kshs 325 each. Each tray contains 30 eggs. 72 eggs broke during transportation. At what price mush he sell each egg so as to realize a profit of 18%, giving your answer to the nearest Kshs. 1.00 **(4mks)**

**5. (a)** Simplify the expression: **(1mk)**

$$\frac{a-1}{a}-\frac{2a+1}{3a}$$

**(b)** Hence solve the equation **(2mks)**

$$\frac{a-1}{a}-\frac{2a+1}{3a}=\frac{2}{3}$$

**6.** A number $P$ is formed by writing all prime numbers between 40 and 50 in descending order. If $Q$ is arrived at by adding 23 to $P$. Perform the divisibility test for 11 on the number $Q$ (**3mks)**


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**7.** George, Bush and Terrence contributed towards a capital of Kshs. 480,000 in the ratio 2:3:5 respectively, to start a business venture. After one year, the venture realized a profit of Kshs. 1,200,000, which was divided as follows: 30% divided equally, 30% divided as per shares' contribution ratio, and the rest returned back to the venture, calculate the amount of money received by Bush. **(3mks)**

**8.** A father is now thrice as old as his son. In ten years' time, the difference of their ages will be 36 years. Find their current ages. **(3mks)**

**9.** Four diodes give signals at intervals of 5, 15, 20 and 25 seconds. The diodes gave signals simultaneously at 9 a.m. How many times will they have given the signals together by 10 a.m.? **(4mks)**

**10.** A Japanese travelling from England arrives in Nairobi with 10,000 € (euros) which she all converts to Kenya shillings at a Bureau de Change. While in Kenya, she spent a total of Kshs. 498,500 and then converted the remaining amount into Japanese Yen (JP¥) at a bank. Using the exchange rates in the table below, calculate the amount in JP¥ that she received. **(3mks)**

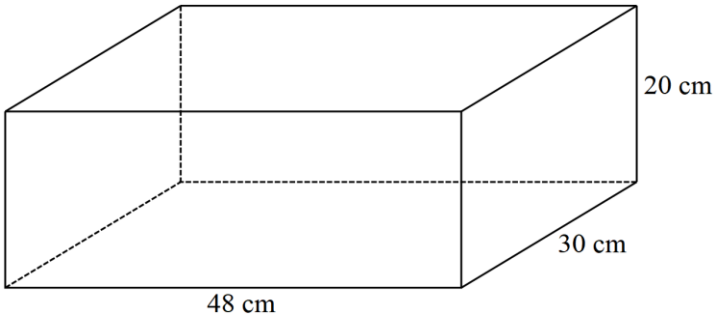
| | **Buying (Kshs)** | **Selling (Kshs)** |
|---|---|---|
| 100 JP¥ | 62.75 | 63.00 |
| 1 € | 120.25 | 121.15 |


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**11.** Simplify the expression **(3mks)**

$$\frac{8ab - 6a + 8b^2 - 6b}{8b - 6}$$

**12.** The figure below shows a rectangular tank with the dimensions as shown.



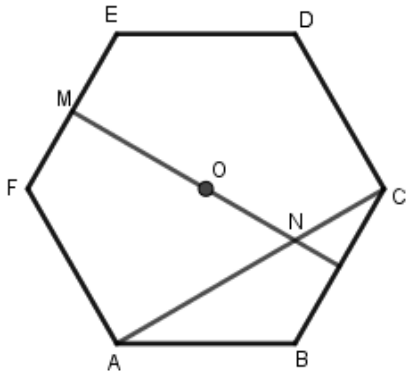

The tank is to be filled with water using a cylindrical jug of diameter 14 cm and height 20 cm. How many times will it take the jug to completely fill the tank? **(4mks)**

**13.** Given that $2\frac{p}{q} = 2.\dot{3}4\dot{5}$, find the value of $p$ and $q$, where $p$ and $q$ are natural numbers . **(3mks)**


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**14.** In a construction site, there are artisans and technicians. One day, the site hired 2 casuals and 3 technicians at a total cost of Kshs. 5,150. The next day, the site hired 4 casuals and 5 technicians and paid Kshs 3900 more. Calculate the cost of hiring a casual and a technician. **(3mks)**

**15.** The figure below is a regular hexagon. O is the centre and M is the mid-point of AB.




Find the angles:

**a)** BAC **(2mks)**

**b)** MNA **(2mks)**

**16.** Nancy paid Kshs. 4,500 for a dress after getting a 10% discount. The retailer still made a profit of 25% on the sake of this dress. What profit would the retailer have made if no discount was made? **(3mks)**


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## SECTION II (50 Marks)

*Answer **all** the questions in this section*

**17.** A corporate firm want to construct a parking bay for its employees and clients. The parking bay is to be made of concrete comprising of cement, sand and ballast in the ratio 1: 3: 5 respectively. The volume of the completed parking bay is 21.6 $m^3$. The density of the completed bay is 3500 $kg/m^3$

**(a)** Calculate the mass of the bay in tones **(2mks)**

**(b)** Given that cement used is in bags of 50 kg, determine the number of bags of cement used **(3mks)**

**(c)** The ballast is delivered in a truck that carries 7 tonnes per trip. How many trips of ballast is required to completely finish the construction **(2mks)**

**(d)** If sand is charged at Kshs. 14,000 for a 12 tonnes lorry, what is the cost of the sand used in the construction? **(3mks)**



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**18. (a)(i)** Express the numbers 150, 180 and 240 as products of their prime factors **(3mks)**

**(ii)** Hence determine the largest capacity of a container that can be used to fill jars of capacity 150 litres, 180 litres and 240 litres an exact number of times **(2mks)**

**(b)** The HCF of 3240 and 3600 and a third number $M$ is 36. The LCM of the three numbers is $2^4 \times 3^5 \times 5^2 \times 7^2$. Use factor method to find the least possible value of $M$ **(3mks)**

**(c)** Without using a calculator or mathematical tables, evaluate **(2mks)**

$$\frac{0.036 \times 0.0049}{0.048 \times 0.07}$$

**19.** Water flows through a cylindrical pipe of diameter 4.2 cm at the rate of 50 metres for every 60 minutes.

**(a)** Calculate the capacity in litres of water delivered by the pipe in one minute. Use $\pi = \frac{22}{7}$ **(3mks)**



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**(b)** A cylindrical storage tank of depth 3 metres is filled by water from this pipe at the same rate of flow. Water begins flowing into the empty storage tank at 6.30 p.m. and is full at 2.10 p.m. Calculate the cross-sectional area of this tank in $m^2$.

**(4mks)**

**(c)** A school consumes the capacity of this tank in one month. Water costs Kshs. 250 per 1,000 litres, and a fixed basic charge of Kshs. 2,760 per month. Calculate the school's bill for water in one month. **(3mks)**

**20.** Belinda is a sales agent with a sales agent with a distribution company. She is paid a basic salary of Kshs. 25,000 and commission based on the value of goods sold as follows:

| Amount of Sales (Kshs) | Rate of Commission (%) |
|---|---|
| Up to 100, 000 | 0% |
| Next 100,000 | 2.5% |
| Next 200,000 | 4.8% |
| Over 400,000 | 6% |

**(a)** In January, Belinda sold goods worth Kshs. 485, 000. Calculate her monthly total pay that month . **(4mks)**


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**(b) (ii)** In February, she earned a salary of Kshs. 56, 600. Calculate the value of the goods that she sold that month. **(4mks)**

**(ii)** Calculate the percentage change in her sales over the two months. **(2mks)**

**21.** Two businessmen, Steph and Wachira jointly bought waterbus which could ferry 50 paying passengers when full. The fare between two beaches; Usenge and Mageta was Kshs. 150 per passenger for one way. The waterbus made three round trips between the two beaches daily. The cost of fuel was Kshs. 4,500 per day. The crew of the waterbus were paid Kshs. 2,800 daily. A further Kshs. 7,500 per day was set aside for maintenance and insurance.

**(a) (i)** How much money is collected from the passengers on a day when the waterbus is full on every round trip? **(3mks)**

**(ii)** How much was the net profit? **(3mks)**


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**(b)** On another day, the waterbus was 72% full on average for the three round trips. The businessmen agreed to share the profit in the ratio 2: 3. Calculate the total profit received by Wachira. **(4mks)**


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# EXCELLING STUDENTS FORM ONE
# END TERM 2 SERIES ONE EXAMS

**NAME: ……**

**SHOOOL: ……**

**ADM NO: ……. SIGN……..… DATE: ……..**

**Term 2**
**PHYSICS (232)**
**FORM ONE (1)**
**Time: 2 Hours**

**Instructions to candidates**

- This paper consists of two sections ***A*** and ***B***.
- Answer **all** the questions in the two sections in the spaces provided after each question
- All working **must** be clearly shown.
- Electronic calculators, mathematical tables may be used.
- All numerical answers **should be expressed** in the **decimal** notations.

**For Examiner use only**

| SECTION | QUESTION | MAX MARKS | ANDIDATE'S SCO |
|---|---|---|---|
| A | 13 | 25 | |
| | 14 | 11 | |
| | 15 | 10 | |
| | 16 | 11 | |
| | 18 | 10 | |
| | 19 | 10 | |
| | TOTAL | 70 | |


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## SECTION A (30 marks)

*Answer **ALL** the questions in this section in the spaces provided.*

**1.** Figure 1 below shows a bimetallic strip in a fire alarm. Explain how it can be used to set the alarm on during fire outbreak. **(2mks)**

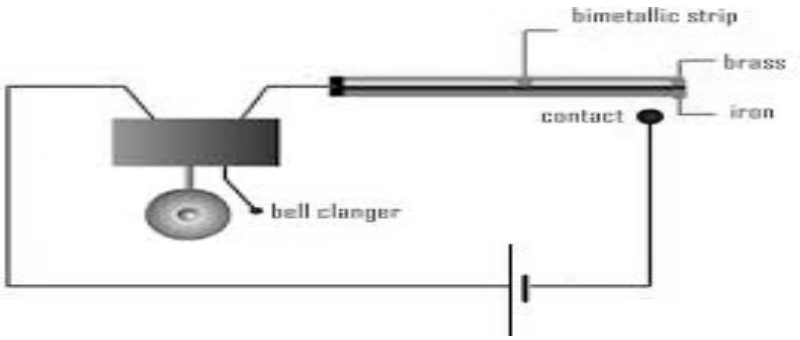



***Figure 1***

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……

**2.** State the possible instrument in the laboratory that can be used to obtain the following readings:

**(a)** 28.1cm…… **(1mk)**

**(b)** 9.45 seconds. …… **(1mk)**

**3.** Mercury on a clean glass slide collects into small spherical balls as shown in figure 2 below. Explain why **(1mk)**

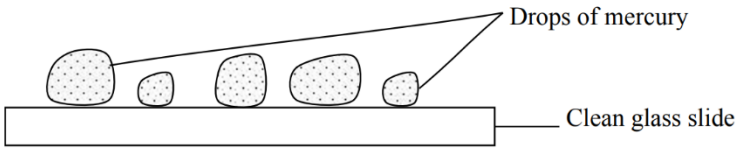



***Figure 2***

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**4.** A person's lung pressure as recorded by a mercury manometer is 90 mmHg. Express this pressure in SI units. (density of mercury is 13600 $Kgm^{-3}$, Take g = 10 $Nkg^{-1}$ ) **(2mks)**



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**5.** In an experiment to demonstrate Brownian motion, smoke was placed in a cell and observed under a microscope. Smoke particles were observed to move randomly in the cell. Explain the observation. **(1mk)**

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**6.** State two applications of convection in daily life**.** **(2mks)**

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**7.** State any two laboratory safety rules**.** **(2mks)**

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**8.** Explain why it is easier to ride a bicycle round a bend on a road if the surface is dry than when it is wet. **(1mk)**

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……

……

**9.** The weight of an object on earth is 20 N. If the object weighs 18 N on another planet, determine the gravitational field strength at the planet. (Take g on earth = 10 $Nkg^{-1}$**)** **(2mks)**

**10.** 1600 $cm^3$ of fresh water of density l $g/cm^3$ are mixed with 1400$cm^3$ of seawater of density 1.25$g/cm^3$. Determine the density of the mixture. **(3mks)**



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**11.** The barometric height at sea level is 76cm of mercury while at a point on a highland it is 74cm of mercury. What is the altitude of the point? (density of mercury = 13600kg/$m^3$ and density of air as 1.25kg/$m^3$ ,Take g = 10 $Nkg^{-1}$ ) **(3mks)**

**12.** . A metal stipple was observed to float on the surface of water in a beaker. The stipple sank immediately some detergent was added to the water. Explain this observation **(1mk)**

……

……

……

**13.** The volume of one drop of a liquid was found to be 0.045 ml. If 30 drops were delivered by a burette from an initial reading of the liquid being 11.4 ml, find the final reading of the liquid**.** **(3mks)**

## SECTION B: 50 MARKS

*Answer **ALL** the questions in this section in the spaces provided*

**14. (a)** Define density and state its SI unit**.** **(1mk)**

……

……

……

**(b)** Describe a procedure to determine the density of an Irregular sinking objects, for example, stone. **(4mks)**

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(c) During a class activity to estimate the area of irregularly shaped surfaces, Form one students were provided with graph papers .Describe how a student would use this to estimate the area of an irregularly shaped body ( i.e. the palm of their hands**)** **(3mks)**

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**(d)** Figure 3 below shows an object of volume 300cm3 placed on the pan of a beam balance. The pointer was initially at the zero mark Determine the density of the object in $Kgm^{-3}$ **(3mks)**

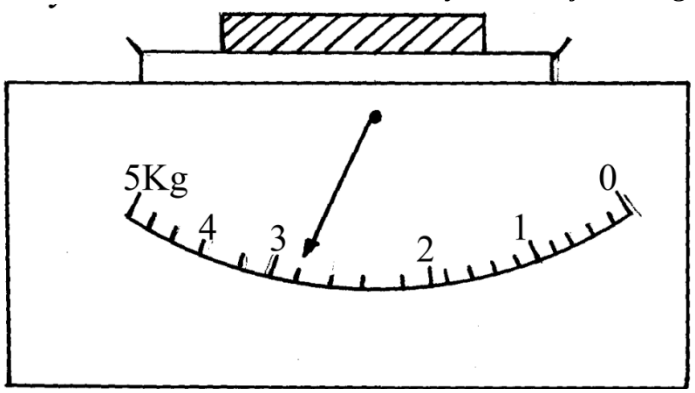



***Figure 3***

**15. (a)** State the kinetic theory of matter **(1mk)**

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……

……

**(b)** You are provided with a long glass-tube, fitting corks, cotton wool, concentrated solution hydrochloric acid and concentrated ammonia solution.

**(i)** Draw a possible set-up to compare the rates of diffusion of ammonia gas and hydrochloric acid gas **(2mks)**

**(ii)** Show where the deposits are formed. **(1mk)**

**(iii)** Explain the observation. **(2mks)**

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**(c)** Explain why:

**(i)** Solids have a definite shape, and don't flow**.** **(2mks)**

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**(ii)**Solids and liquids have a fixed size but gases fill the container they are in **(2mks)**

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**16. (a)** Define force and state its S.I unit. **(2mks)**

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**(b)** State three effects of force**.** **(3mks)**

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……

(c) Figure 4 below shows a needle placed on the surface of a liquid.

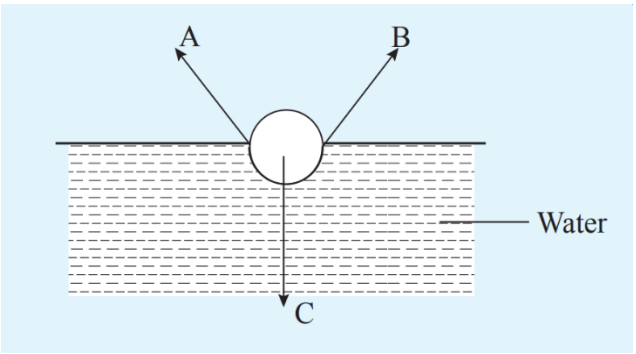



***Figure 4***

Name the forces A, B and C acting on the needle ( 3 marks)

**A** ……

**B** ……

**C** ……



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**(d)** Differentiate between mass and weight**.** **(1mk)**

……

……

……

**(e)** Calculate the weight of the following A metal box of mass 0.65 tonnes on a planet where g = 6.0 $Nkg^{-1}$ **(2mk)**

**17. (a)** Define pressure, and state its SI units. **(2mks)**

……

……

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……

(b) A solid block measuring 6.5 cm by 8.0 cm by 12.5 cm is made of a material of density 8.93 $kg/m^3$. Determine the maximum and minimum pressure it can exert when resting on a horizontal surface. **(4mks)**

**(c)(i)** State the principle of transmission of pressure in fluids. **(1mk)**

……

……

……

(ii) The following diagram shows a hydraulic press with two pistons A and B of areas 25 $cm^2$ and 1200 $cm^2$ respectively. Find the force generated on piston B if a force of 135 N is applied on piston A. **(3mks)**

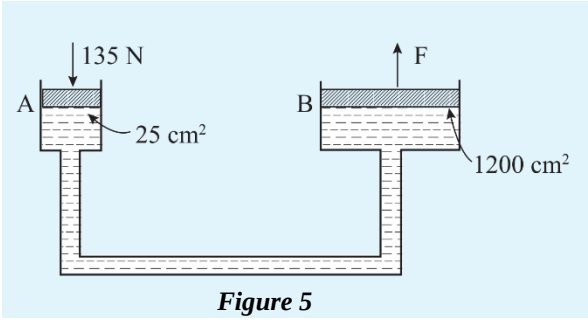



***Figure 5***



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(d) A student fills a balloon with water. She then uses a pin to poke holes in the plastic while she squeezed the bag gently.

**(i)** What does she observe? **(1mk)**

……

……

……

**(ii)** Explain the observation stated. **(2mks)**

……

……

……

……

**18.** (a) Differentiate between heat and temperature. **(1mk)**

……

……

……

**(b)** Figure 6 below shows a flask containing air connected to a long glass tube and inverted into a beaker of water**.**

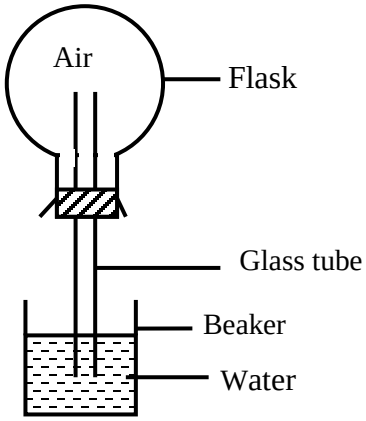



***Figure 6***

State and explain what is observed when the flask is gently warmed. **(2mks)**

……

……

……

……

**(c)** Explain why aquatic animals are able to survive under water when the surface is already frozen. **(1mk)**

……

……

……



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**(d).**State two features in a thermos flask which reduce heat loss by conduction**.** **(2mks)**

……

……

……

……

**(e)** Convert the following from Kelvin scale to degrees Celsius. **(2mks)**

**(i)** 46.9K

**(ii)**-206K

**(f)** State two properties of a liquid that is suitable for use in a thermometer **(2mks)**

……

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……

……

#END



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