



HILLSIDE PRIMARY SCHOOL PRE-MOCK EXAMINATIONS

2022

SOCIAL STUDIES WITH RELIGIOUS EDUCATION (SET THREE)

Time Allowed: 2 Hours 15 Minutes

Index No.

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Candidate's Name.....

Candidate's Signature..... Stream

EMIS No.....

District.....

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FOR EXAMINERS' USE ONLY		
Qn. No.	MARKS	EXRS' NO
1-10		
11-20		
21-30		
31- 40		
41- 43		
44- 46		
47- 49		
50- 52		
53- 55		
TOTAL		

SECTION A: 40 MARKS

1. Name the element of weather measured using a Barometer.

.....
.....

2. Give one reason why most fishermen use modern methods of catching fish.

.....
.....

3. Mention any one physical feature that was formed as a result of volcanicity.

.....
.....

4. Write the climate that supports the growing of citrus fruits in Africa.

.....
.....

5. How is a class timetable useful to a P7 candidate?

.....
.....

6. Name one method of waste management in our community.

.....
.....

7. Mention any one feature that makes water transport difficult in the upper stage of a river.

.....
.....

8. Write one way colonialists improved transport in East Africa?

.....
.....

9. Write any one service provided by the tourism industry to tourists.

.....
.....

10. Give one reason why South Sudan joined the East Africa community.

.....
.....

11. Name the common source of water in deserts.

.....
.....

12. Name the winds that bring rainfall to the cape region of South Africa.

.....
.....

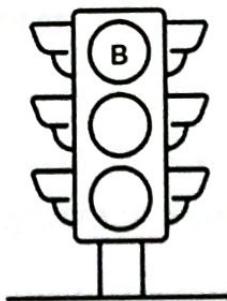
13. Name the ethnic group to which the Jaluo of Kenya belong.

.....
.....

14. State any one way children can promote order in the school.

.....
.....

Use the diagram below to answer the questions that follow.



15. Name the feature shown above as used on major roads.

.....
.....

16. How is the colour marked B useful to a road user?

.....
.....

17. Write any one disadvantage of getting leaders through inheritance.

.....
.....

18. Name any one lake that promotes international trade in Uganda.

.....
.....

19. Give one reason way traders used Caravans in the pre-colonial period.

.....
.....

20. Mention one example of royal regalia in a Kingdom.

.....
.....

21. Write one importance of informal Education to people in a given society.

.....
.....

22. Name the organ of a democratic government that provides social service to people.

.....
.....

23. Mention the system of trade that replaced barter trade.

.....
.....

24. Write any one way missionaries solved the problem of language barrier during missionary work in East Africa.

.....
.....

25. How did Iron smelting promote crop growing in the pre-colonial period?

.....
.....

26. Name the line of latitude that is connected to Equinox.

.....
.....

27. Why should traffic officers put on uniforms while on duty?

.....
.....

28. Write any one system of colonial administration that was used in Africa.

.....
.....

29. How do herbalists benefit from the presence of vegetation in an area?

.....
.....

30. Name the symbol of a school that directs people to the school.

.....
.....

31. State any one problem faced during population census in a country.

.....
.....

- 32.** Write any one problem created by deficit budget in a country.

.....
.....

- 33.** State any one factor that made Bunyoro Kingdom stronger in the pre-colonial period.

.....
.....

- 34.** Give any one way people use sunshine as a resource.

.....
.....

- 35.** Name any one tourist attraction that can be found in Libya and not in Uganda.

.....
.....

For questions 36 to 40, answer either Christianity or Islamic but not both.

- 36.** Either:

Which Sacrament in Christianity unites man and woman as husband and wife?

.....
.....

Or:

Which religious ceremony in Islam unites man and woman as husband and wife?

.....

37. Either:

Give the reason why Joseph and Mary went to Bethlehem before Jesus Christ was born.

.....
.....

Or:

Give the reason why Prophet Mohammad and some of his followers went to medina.

.....
.....

38. Either:

Give one reason why forgiveness is needed in a Christian community.

.....
.....

Or:

Give one reason why forgiveness is needed in a Muslim community.

.....
.....

39. Either:

Mention any one duty of a priest in Christianity.

.....
.....

Or: Mention any one duty of an imam in Islam.

.....
.....

40. Either:

Give any one reason why Jesus Christ loved sinners during his ministry.

.....
.....

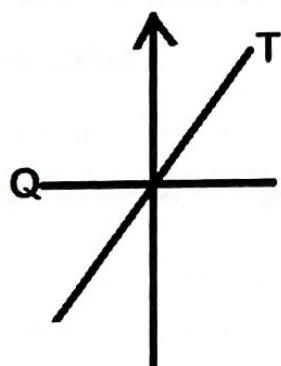
Or:

Give any one reason why Prophet Mohammad loved the meccans who were pagans.

.....
.....

SECTION B (60 MARKS)

41. Study the diagram below and use it to answer the questions that follow.



a) Name the compass direction marked T.

(b) What is the opposite direction of Q?

c) What is the compass direction 135 clock wise from T.

d) Name the instrument from which the above feature can be got.

.....

42. (a) What are multi-purpose river projects?

.....

.....

(b) Mention any one multipurpose river project on river Nile.

.....

(c) Write any two factors that can be considered in setting up a multipurpose river project in Africa.

(i)

(ii)

43. (a) Give any two reason why colonialists formed LEGCO in Uganda.

(i)

(ii)

(b) How was the work of LEGCO similar to that of Uganda's parliament today?

.....

(c) Name the place in Uganda where LEGCO held its meetings at first.

.....

44. (a) How do the following factors influence population distribution ?

(i) Social services.....

(ii) Soil.....

(b) Write any one reason why some areas in Uganda have low population.

.....

(c) Write any one effect of low population to the development of Uganda.

.....

45. (a) Why do nomads move with their animals from one place to another?

.....

(b) Mention any one tribe of people in East Africa that practices nomadic pastoralism.

.....

c) State any two ways the government of Uganda can help nomadic pastoralists to live a settled life.

(i)

(ii)

46. Study the map of East Africa below and use it to answer the

questions that follow.



(a) Which climatic zone is shaded on the map above?

.....

(b) Mention the method of livestock farming used by people in the climatic region shaded on the map.

.....

.....

(b) Using letters **YYY**, show any one area which experiences mountain climate on the map above.

(d) How does lake marked **M** affect the climate of East Africa.

.....
.....

47. (a) Write any one way people of East Africa used force to demand for their independence.

.....

(b) Write any two reasons why Africans needed their independence.

- (i)
- (ii)
-

(c) How did Germany rule end in Tanganyika?

.....

48. a) Mention any two services provided by mobile telephone companies in Uganda.

- (i)
- (ii)

(b) Give any one way mobile telephone companies promote development in Uganda.

.....

(c) Write any one danger of modern communication to young people in society today.

.....

49. (a) Write any two problems faced by people in hilly areas apart from land fragmentation.

- (i)
- (ii)

(b) State any one way land Fragmentation affects agriculture.

.....

(c) Give any one way people in hilly areas solve the problem of land fragmentation.

.....

50. (a) Write any two effects of the great trek in South Africa.

(i)

(ii)

(b) Name any two new states that were formed as a result of the great trek in South Africa.

(i)

(ii)

For questions 51 – 55, answer either Christianity or Islamic but not both.

51. Either:

(a) Who led the Roman soldier to arrest Jesus Christ.

.....

(b) Give any two reasons why Jesus Christ was arrested by the Roman soldiers.

(i)

(ii)

(c) How was the death of Jesus Christ important to Christians?

.....

Or:

(a) Name the uncle of Prophet Mohammad who waged open war on him when he started preaching in public.

.....

(b) Give any two reasons why Meccans opposed the preaching of Prophet Mohammad.

(i)

(ii)

c) Write any one way Islam changed the life of Meccans.

.....

52. Either:

(a) Give one reason why a Christian should get Baptism.

.....

(b) Name any two things used during baptism in Christianity.

(i)

(ii)

(a) Write one thing that shows a Christian has received baptism.

.....

Or:

(a) Why should a Muslim get ablution?

(i)

(ii)

(b) Name any two things that can be used for ablution.

(i)

(ii)

(c) Write any one situation when a Muslim receives ablution.

.....

53. Either:

(a) Write any two ways the apostles were useful in the ministry of Jesus Christ.

(i)

(ii)

(b) Name the first two apostles of Jesus Christ.

(i)

(ii)

Or:

(a) How were Calphs useful in the ministry of Prophet Mohammad?

(i)

(ii)

(b) Name any two of the first Caliphs of Prophet Mohammad.

.....
.....

54. Either:

(a) Who taught the word of God using parables according to Christianity?

(b) Name the parables that teache Christians the following.

i) Helping people in need

.....
.....
ii) Forgiveness

c) Give one reason why the person named in (a) above used parables in teaching the word of God.

Or:

(a) Who taught the word of God using hadith according to Islam?

.....

(b) Give any two reasons why the person above taught word of Allah using hadith.

(i)

(ii)

c) What is hadith according to Islam?

.....

55. Either:

a) What is freedom?

.....

(b) State any two ways Christians enjoy freedom of worship.

(i)

(ii)

(b) Write any one way some Christians have misused freedom of worship.

.....

Or:

a) What is freedom?

.....

.....

(b) State any two ways Muslims enjoy freedom of worship.

(i)

(ii)

(c) Write any one way some Muslims have misused freedom of worship.

.....

END



HILLSIDE PRIMARY SCHOOL
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2022
ENGLISH (SET THREE)

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SECTION A

(Questions 1 to 50 carry one mark each)

Sub-section I

In each of the questions 1 to 5, fill the blank space with the most suitable word.

1. Apio Brenda is married..... two children.
2. My elder brother was stung by a..... of bees yesterday.
3. There were a lot of people in the auditorium, ?
4. The lady whom I told you is our new teacher of English.
5. Our father drives a posh vehicle and..... does our mother.

In each of the questions 6 to 15, use the correct form of the word given in brackets to complete the sentence.

6. Several will attend the conference about human rights. (Ghana)
7. involvement in debating helped them to improve their confidence. (they)
8. I on my bed late last night. (to lie)
9. The baker read the instructions and baked a yummy cake. (careful)
10. The between the two boys lasted for a decade. (enemy)

11. By the time the police arrived at the scene, the criminals
(leave)
12. I don't know why diesel isthan petrol these
days. (costly)
13. Mr Gona has bought tenfor plough lung. (ox)
14. Our head girl is a veryperson. (rely)
15. Anne Maria said that she was kneading the dough
(now)

*In questions 16 and 17, use each of the given words in sentence to show
that you know the difference in their meaning.*

16. mourning

.....
.....

17. morning

.....
.....

In questions 18 and 19, rearrange the given words in alphabetical order.

18. knot, knob, knit, knead

.....
.....

19. address, addresser, addressed, addressee

.....
.....

In questions 20 and 22, rewrite the sentence giving the plural form of the underlined words

20. The president requested to meet the service-man.

.....
.....

21. A hippopotamus is a very dangerous animal.

.....
.....

22. The smoke could not flow because the chimney was blocked.

.....
.....

In questions 23 to 24, write the short forms of the following

23. Compact disc.....

24. Acting.....

In questions 25 and 27, rewrite giving the opposite of the underlined words.

25. The chief guest felt very comfortable in the aim chair.

.....
.....

26. The maid was kind to the children.

.....
.....

27. Kundu is the smartest child in the whole school.

.....
.....

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.....
.....

27. Kundu is the smartest child in the whole school.

.....
.....

In questions **29** and **30**, rewrite giving a word for the underlined group of words.

- 28.** The duck and its young ones are in the shade.

.....
.....

- 29.** Homeless people should be laid to rest in public cemeteries.

.....
.....

- 30.** Wadada did not give the money paid for transport to the conductress.

.....
.....

Sub-section II

*In questions **31** to **50**, rewrite the sentences as instructed in brackets.*

- 31.** The cyclist wore the helmet then he rode the bicycle.

(Rewrite the sentence using: before)

.....
.....

- 32.** Binojjo is a very rich man. His children study in poor schools.

(Rewrite the sentence beginning: Despite)

.....
.....

- 33.** The mechanic needn't have travelled at night.

(Rewrite the sentence using: necessary.....)

.....
.....

34. I was crossing the road. An accident occurred.

(Rewrite as one sentence beginning: Crossing.....)

.....
.....

35. Polycarp lives in a house. The house is about to crumble.

(Rewrite as one sentence using:in which.....)

.....
.....

36. The herdsman docked the animals. The herdsman also dewormed them.

(Join the sentence using:not only.....)

.....
.....

37. The candidates will hold their farewell party in October. They will sit their final examinations in November.

(Rewrite as one sentence beginning: By the time.....)

.....
.....

38. The chef and the hotelier were late today.

(Rewrite the sentence using:as well as.....)

.....
.....

39. One needs to revise seriously so as to pass highly.

(Rewrite the sentence using:or else.....)

.....
.....

40. We arrived at the barracks late.

(Rewrite the sentence using:reached.....)

.....
.....

41. I did not have enough money. I did not buy stationery.

(Rewrite the sentence beginning: If.....)

.....
.....

42. The pupils have done the right amount of revision. They will pass the Mock examinations.

(Rewrite as one sentences using:enough.....)

.....
.....

43. My niece is very old. My nephew is old.

(Join as one sentence using:as.....as.....)

.....
.....

44. This test was very simple. We shall excel with distinctions.

(Join as one sentence using:such.....that.....)

.....
.....

45. The editor and the columnist are not rude people.

(Rewrite the sentence beginning: Neither.....nor.....)

.....
.....

46. Musoke started teaching in 2020. He is still teaching.

(Rewrite the sentence using:since.....)

.....

.....

47. Most people use WhatsApp messages nowadays. They rarely write letters.

(Rewrite as one sentence using:prefer.....)

.....

.....

48. My mother will attend the funeral. My father will also attend the funeral.

(Rewrite as one sentence using:and so.....)

.....

.....

49. What a terrible incident it was!

(Rewrite the sentence beginning: It was.....)

.....

.....

50. “Daniel, have you helped the guest?” the manager asked.

(Rewrite the sentence using:wanted to know.....)

.....

.....

SECTION B

Questions 51 to 55 carry 10 marks each

- 51. Read the passage below carefully in full sentences answer the questions that follow.**

"OBSERVE SILENCE; EXAMINATIONS IN PROGRESS" are the words in bold letters that welcome one's sight at Kiti Junior School-Lyantonde. This always happens in the month of November. This is because the day is considered special not only in this school but also in the whole country. Total calmness here and there. In fact even the rowdy boys and undisciplined girls are all challenged. Nobody can tell whether it is fear or seriousness. This day is quite different from the ordinary days. Excellence in the examinations becomes the point to fight for.

Teachers walk with confidence for they feel they have done their part since they made the necessary teaching and thorough revision. Prepared pupils smile as they eagerly wait for the examination. Idlers and time wasters panic and pray for miracles since they didn't revise enough.

Soon, tough faces will be seen in examination rooms. There are a number of people who come to guide pupils as they write exams. They include scouts, supervisors and invigilators. Particularly, invigilators are employed in examinations to ensure that there is no malpractice and the supervisor is the overall in charge of the examination Centre. The school management ensures the welfare of pupils during the examination period.

Some pupils suffer from examination fever. This comes because they have missed the preparation throughout the primary course. It means they cannot face the examination due to tension. Ms. Joyce Kibuule, the head teacher of this very school, has always advised such pupils to revise regularly and attend all lessons in order to avoid trembling at the last hour. "Only by working hard and preparing yourself will make you attain good marks," says Ms. Kibuule.

Most pupils who heed to her advice have always excelled in their examinations.

a) What is the passage about?

.....
.....

b) In which month are these examinations done?

.....
.....

c) Which people are challenged on the examinations day?

.....
.....

d) What feeling do teachers in this school have on this day?

.....
.....

e) How helpful are invigilators during the examinations?

.....
.....

f) Why do you think some pupils suffer examination fever?

.....
.....

g) Who advises pupils about regular revision?

.....
.....

h) Give a word or group of words to mean each of the words below as used in the passage.

i. malpractice.....

ii. ordinary.....

i) Suggest a suitable title for this passage.

.....

52. Below are the results for the sports day of P.5, P.6 and P.7 pupils of Ngoma Junior School, Namayingo District. The sports day was held at Namayingo Main field on 3rd May 2020. Study the information and use it to answer the questions that follow.

	AFRICA	AMERICA	ASIA	AUSTRALIA
P.5 Boys	80	96	96	42
Girls	42	70	71	30
Total	122	166	167	72
P.6 Boys	91	90	52	51
Girls	43	41	43	21
Total	134	131	95	72
P.7 Boys	13	54	43	55
Girls	55	91	59	100
Total	68	145	102	155

Best participants

Boy: Mutwale Ronald 50points

Prize/Award

Fees for term two

Girl: Nantume Iman 60points

Fees for term two

Best continent (overall) - a trophy, two goats and two million shillings.

Best continent (per class) - a trophy and a goat.

Questions

a) For which school was the sports day?

.....

.....

b) Where was the sports day held?

.....
.....

c) How many classes participated during the sports day?

.....
.....

d) In which district was the sports day held?

.....
.....

e) Which continent was the best in Primary Seven?

.....
.....

f) How were the overall winners appreciated?

.....
.....

g) When was the sports day held?

.....
.....

h) Why do you think Nantume was appreciated by the school?

.....
.....

j) What prize was given the best continent in each class?

.....
.....

j) How many points did Asia get altogether?

.....
.....

52. Read the poem and answer the questions that follow in full sentences.

Everywhere I go,
I find noble men and women
Who are even ready to catch cockroaches
And Maintain law and order

Each minute that passes by
Sees these men and women very busy
Dealing with thieves, murders
And child abusers

No single day goes past
Without those men and women
Handling bad road users
By arresting and charging them accordingly
I thank these men and women so much.
Because the country would be infected with Criminals
Long live our committed police officers.

Anonymous

Questions

- a) What is the poem about?

.....
.....

b) Who wrote this poem?

.....
.....

c) Where does the writer find noble men and women?

.....
.....

d) Why does the speaker thank the noble men and women?

.....
.....

e) How do the noble men and women handle bad road users?

.....
.....

f) Apart from thieves, mention other two groups of people the noble men and women deal with.

.....
.....

g) Who do you think is speaking in the poem?

.....
.....

h) Give another word or group of words with the same meaning as.

i. maintain.....

ii. criminal.....

54. The sentences below are in wrong order. Re-arrange them in order to make a good story about elections.

- a) We then wrote the applications.
 - b) But the teacher in charge didn't.
 - c) One of the pupils put a ten-thousand shilling note in the application.
 - d) The boy said that he wanted to thank her for organizing elections.
 - e) Last year, our school organized election of prefects.
 - f) She called the boy to her office.
 - g) The teacher in charge got annoyed and said that there was election malpractice.
 - h) He thought the teacher would take it.
 - i) She asked him why he had put money with the application.
 - j) The teacher in charge told us to apply for the posts we wanted.
-
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.....

55. You have broken one of your classroom glass windows accidentally and according to class rules, this calls for either suspension or replacement.

Write a letter to your class teacher apologizing for the incident and tell him or her that you will talk to your parents to make a replacement as soon as possible. (Use your school address).

END



HILLSIDE PRIMARY SCHOOL
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INTEGRATED SCIENCE (SET THREE)

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SECTION A

1. Name the gas in the atmosphere that occupies the lowest percentage.

.....
.....

2. Give one characteristic common to both a cockroach and a spider.

.....
.....

3. Give one example of an organism with a hydrostatic skeleton.

.....
.....

4. Name the substance that protects bones from dangers of friction in joints?

.....
.....

5. Why would do some farmers choose to rear local breeds of cattle over exotic breeds?

.....
.....

6. In the space below show twining method of climbing in plants.

7. Give the property of sound that enables us to hear thunder.

.....
.....

8. Mention one cause of soil erosion.

.....
.....

9. Mention one factor that determines pitch in a string musical instrument.

.....
.....

10. Identify the deadly disease in human being that spreads through tsetse fly bites.

.....
.....

11. Why is draining of stagnant water not a suitable method for controlling mosquitoes at adult stage?

.....
.....

12. Mention the component of blood that produces antibodies

.....
.....

13. Mention the immunisable disease that causes stiffness of muscles.

.....
.....

14. Name the class of birds that are commonly found in wetlands.

.....
.....

15. Name one alternative energy resource can be used so as to conserve wood fuel?

.....
.....

16. Name the type of tropism that enables fertilization to take place in flowers.

.....
.....

17. How does mulching control soil erosion?

.....
.....

18. Where does gaseous exchange occur in lungs?

.....
.....

19. Why is carbon dioxide used in preservation of food?

.....
.....

20. What is the value of smoking a pit latrine?

.....
.....

21. How is osmosis useful to plants?

.....
.....

22. Name the breathing organ of fish.

.....
.....

23. How do plants benefit from the presence of chlorophyll in them?

.....
.....

24. Give one effect of severe diarrhoea to a baby.

.....
.....

25. Give one example of a solitary insect.

.....
.....

26. Mention one circulatory disease associated with hook worm infestation.

.....
.....

27. Give one example of a useful fungus.

.....
.....

28. How is rusting similar to germination?

.....
.....

29. Apart from tasting food and talking, give any other function of the tongue.

.....
.....

30. Besides emphysema, give any other disease caused by smoking.

.....
.....

31. How is the trachea adapted to keeping open all the time?

.....

32. Mention one example of a spore bearing plant

.....

33. Give one effect of floods in the environment.

.....

34. In the space below, draw a well labeled diagram of a stamen.

35. Name one external parasite in livestock.

.....

36 Name the organ that pumps blood in the body.

.....

37. What do we call a combination of two or more metals?

.....

38. Give one example of an aquatic mammal.

.....
.....

39. Name the body organ that helps to detect temperature changes.

.....
.....

40. Apart from pork, give any other product obtained from pigs.

.....
.....

SECTION B: 60 MARKS

41. a) Mention the elements of weather suitable for each of the following activities.

(i) Preserving of maize.....

(ii) Separating husks from bean seeds.....

b) Why should crop farmers always pay attention to weather forecast?

.....
.....

c) Mention one weather change that can be a block in the food path.

.....
.....

42. a) Give the difference between active and passive smoking.

.....
.....

b) Give one excuse people give for smoking?

.....
.....

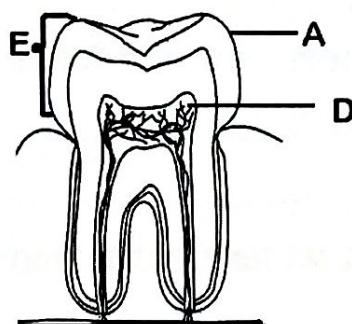
c) Mention one effect of smoking to an expectant woman.

.....
.....

d) Which component in tobacco causes addiction to an individual?

.....
.....

43. Study the diagram of the tooth below and answer questions that follow.



a) Name the region of the tooth marked E.

.....
.....

b) Which mineral is responsible for strengthening part A.

.....

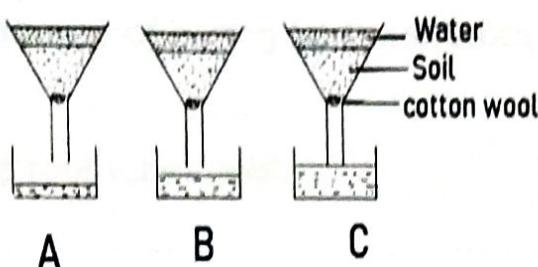
c) Name one disease that affects teeth.

.....

d) Why is part D regarded as the most sensitive part of the tooth?

.....

44. An experiment was carried out on different types of soil as shown in the diagram below.



a) Name the type of soil that was used in sample B.

.....
.....

b) Which soil sample is the best for pottery?

.....
.....

c) Give the reason to support your answer in (b) above.

.....
.....

d) State the importance of sample C.

.....
.....

45. Study the table below and answer questions that follow.

Disease	Vaccine	Mode of administration
Polio	Oral
.....	PCV	By injection
Hepatitis B	By injection
Tuberculosis	BCG

46. a) Give one example of a root tuber propagated by means of seeds.

.....
.....

(b) Mention one way of caring for tuber crops.

.....
.....

(c) Mention one root tuber pest.

.....
.....

(d) What food value is obtained from most tuber crops?

.....
.....

47. a) Identify the method of writing sound illustrated below.



(b) Besides the above method, mention any other way of writing sound.

.....
.....

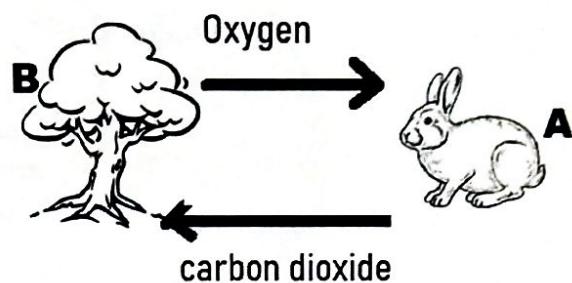
(c) Give one reason why sound is stored.

.....
.....

(d) Name one device used to reproduce recorded sound.

.....
.....

48. The diagram below shows interdependence between living things. Use it answer questions that follow.



a) Besides oxygen, give any other way organism A benefits from B.

.....
.....
.....

b) Name the process that taking place in B.

.....
.....

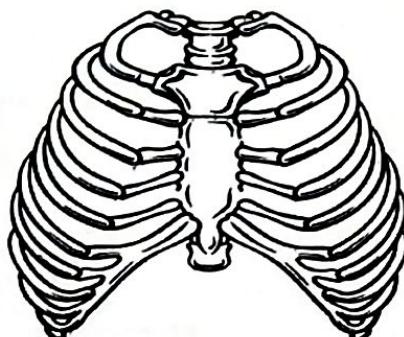
c) Identify one raw material that is need for the process mentioned above in (b) to take place.

.....
.....

(d) What is the main product of the process that takes place in B?

.....
.....

49. The diagram below shows part of the human skeleton. Use it to answer questions that follow.



a) Name two body organs protected by the above part of the skeleton.

(ii).....

(ii)

b) Besides protection give any other function of the skeleton.

.....
.....

c) Give one way of maintaining the skeletal system in a good working condition.

.....
.....

50. a) Mention one service provided to expectant at the ante natal clinic.

.....

b) Why a pregnant woman encouraged to eat a balanced diet?

.....

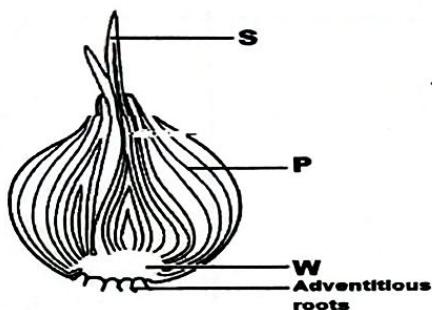
c) Mention one complication faced by a pregnant woman who smokes.

.....

d) Mention one form of care given a woman who has just given birth.

.....

51. The diagram below shows an underground stem. Use it to answer questions that follow.



a) Name the type of underground stem shown above

.....
.....

b) Name part W.

.....
.....

c) How is the function of P different from that of part S.?

.....
.....

d) Besides the above, name any other type of underground stems.

.....
.....

52.a) What is the difference between poultry and poultry keeping?

.....
.....

b) Mention the main product obtained from broiler chicken.

.....

c) In the space below, draw the following equipment used in poultry management.

Drinker	Feeding trough

53. Match the following correctly

List A

Anther

Sporangium

Testes

Cones

List B

pollen grain

Spores

Sperms

Seeds

Anther

.....

Sporangium

.....

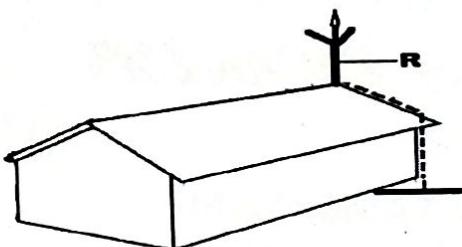
Testes

.....

Cones

.....

54. The diagram below shows an electrical installation on a house. Use it to answer questions that follow.



a) Name component R on the house.

.....
.....

b) State the function of component R on the house.

.....
.....

c) Name one material that is used to make component R.

.....
.....

d) Name the type of electricity managed using component R.

.....

55.a) What are vertebrates?

.....
.....

b) Name two groups of warm blooded vertebrates.

- i.
ii.

d) Under which group of vertebrates do frogs belong?

.....

END



HILLSIDE PRIMARY SCHOOL
PRE-MOCK EXAMINATIONS
2022
MATHEMATICS (SET THREE)
Time Allowed: 2 Hours 30 Minutes

Index No.

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Candidate's Name.....Stream.....

Candidate's Signature.....

EMIS No.....

District Name.....

Read the following instructions carefully:

1. The paper has **two** sections: A and B.
Section A has 20 questions and Section B has 12 questions
2. Answer **all** questions. All answers to both sections **A** and **B** must be written in the spaces provided.
3. **All** working must be done using a blue or black ball-point pen or fountain pen. Any work written in pencil other than graphs and diagrams will not be marked
4. No calculators are allowed in the examination room.
5. Unnecessary changes in work may lead to loss of marks. Any handwriting that cannot easily be read may lead to loss of marks.
6. Do not fill anything in boxes indicated: "**For Examiners' Use Only**" and those inside the paper.

FOR EXAMINERS' USE ONLY		
Qn. No.	MARKS	EXRS' NO
1- 5		
6- 10		
11- 15		
16- 20		
21- 22		
23- 24		
25- 26		
27- 28		
29- 30		
31- 32		
TOTAL		

SECTION A: 40 MARKS

Answer all the questions in this section

Questions 1 to 20 carry two marks each

1. Work out: $97 - 55$.

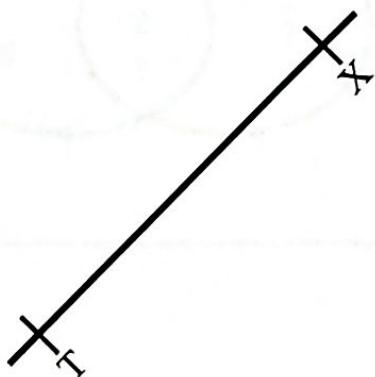
2. Set F has 127 proper subsets. How many elements does it have?

3. Simplify: $2(3p - q) - (2p - 2q)$.

4. Write in words 12^{th} .

5. What is the difference of the 8th square number and the 5th cube number?

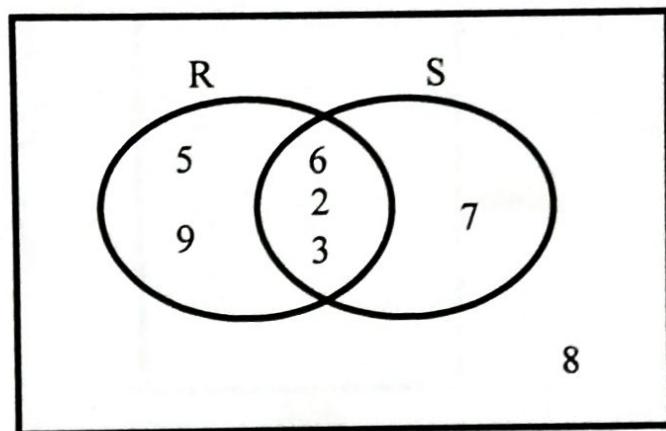
6. Using a ruler, a pencil and a pair of compasses only bisect line segment TX



7. It started raining at 10:25pm and stopped at 2:25am. For how long did it rain?

8. Find the complement of $(m + 25)^\circ$.

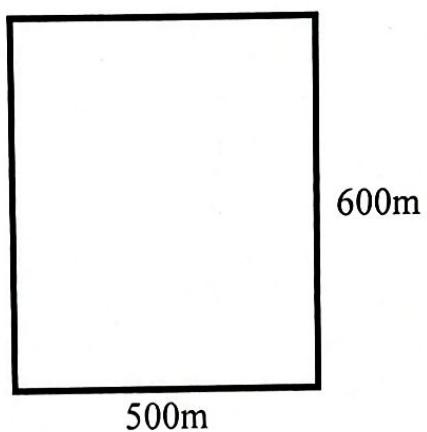
9. Use the Venn diagram to find $n(R \cup S)$.



10. Subtract 435_{six} from 533_{six} .

11. Find the range of -7 and -3 .

12. Gadiimba's rectangular plot of land is shown below. Calculate the area of his land in hectares.

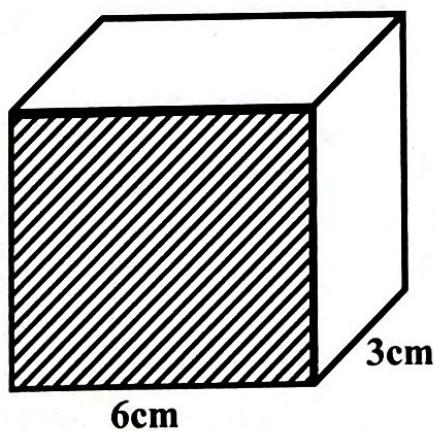


13. When a shopkeeper sells a suitcase at sh. 22,000, he makes a percentage profit of 10%. Find the buying price of this suitcase.

14. Calculate the amount of money, which was deposited to yield sh.12,000 at 5% per annum in $1\frac{1}{2}$ years.

15. Increase 51 mangoes by $66\frac{2}{3}\%$.

16. The area of the shaded face is 30cm^2 . Find the volume of this cuboid.

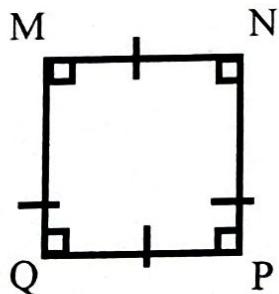


17. Fred run 200m in 24 seconds. Express his speed in km/hr.

18. Workout: $4 \times 7 = y \pmod{6}$. Find y.

19. Solve for x: $5^{3x} \div 5^x = 625$.

20.



MNPQ is a square manila card. Its area is 6.25cm^2 .
Find the length of MQ.

SECTION: B (60 MARKS)

Answer all questions in this section.

Marks for each part of the question are indicated in the brackets

21. Maria bought the following items

2 bunches of matooke at sh. 24,000 each.

500g of ghee at sh. 20,000 per kg.

12 tomatoes at sh. 500 every 3 tomatoes.

After buying all items she paid sh. 57,000 when she was offered a discount. Calculate the percentage discount she was offered.

(06 marks)

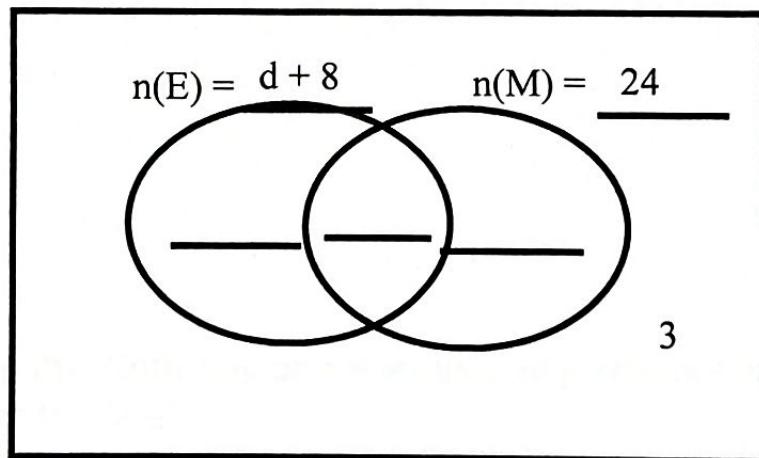
22. (a) simplify: $\frac{0.036 \times 18}{0.6 \times 0.9}$ (03 marks)

(b) simplify: $\frac{1}{3} \left(\frac{3}{4} - \frac{1}{2} \right)$ (02 marks)

23. In a class of 60 pupils, 24 like mathematics (M), $(d + 8)$ like English (E) and 6 like both subjects.

(a) Complete the Venn diagram. (03 mark)

$$n(\varepsilon) = 60$$



(b) Find the value of d. (02 marks)

(c) How many pupils like English?

(01 mark)

24. (a) Poles are planted 18m apart. A girl walked from the first pole to the tenth pole. What distance did she cover?
(02 marks)

(b) Jerry is the ninth boy on either side of a straight line. How many boys are in the line?
(02 marks)

25. Musa is 16 years old and Chloe is 47 years old.

(a) After how many years will Musa be half as old as Chloe?

(03 marks)

(b) How old will Chloe be then?

(02 marks)

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

Marks	Tally	Frequency
65		—
70		3
85		4
50		2
60	—	5

(a) Complete the table above (02 marks)

(b) Find the average mark (03 marks)

27. (a) Simplify: $3^2 \times (5^8)^{\frac{1}{4}}$ (02 marks)

(b) Find the number whose scientific notation is 4.73×10^2 . (02 marks)

28. (a) Using a ruler, a pair of compasses and a pencil only, construct a square ABCD where diagonals $AC = BD = 6\text{cm}$.
(04 marks)

(b) Calculate its area. (02 marks)

29. A motor cyclist rode at a speed of 50km/hr. for 2 hours before he ran out of fuel. It took him 30minutes to refuel. He then rode at a speed of 48km/hr. for 2 hours 30minutes. Calculate his average speed over the whole journey.

(06 marks)

30. (a) Today is Friday, 1st July 2022. What day of the week was 15th of April 2022?

(02 marks)

(b)The time in Accra is 3 hours behind the time in Kampala. What is the time in Kampala in 12 -hour clock system if it is 11:15hrs in Accra?

(02 marks)

31. (a) Expand 316.25 using place values
(02 marks)

(b) Find the product of the place value of 3 and value of 2 in the above number.
(02 marks)

(c) Find the smallest 4-digit number formed using the digits 3,0,5,4
(01 mark)

32. The sum of the values in the table below are the same vertically, horizontally and diagonally. Find the value of b, c , d , e , in the table below showing your working.

(04 marks)

1	15	d	4
12	6	e	9
c	10	11	5
13	b	2	16

END