LUWERO DIOCESE JOINT MOCK 2022

SOCIAL STUDIES WITH RELIGIOUS EDUCATION

Time Allowed: 2 HOURS: 15 MINUTES

Emis No.				Personal No.		

Candidate's Name: ....

Candidate's Signature: ....

School: ....

District: ....

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7. Un necessary crossing may lead to loss of marks.
8. Any handwriting that cannot be easily read may lead to loss of marks.
9. Do not fill anything in the box indicated **"For examiner's use only"**

FOR EXAMINER'S USE ONLY

Qn. No.	MARK	SIGN
1 - 10		
11 - 20		
21 - 30		
31 - 40		
41 - 45		
46 - 50		
51-55		
TOTAL		

SECTION A: (40 Marks)

1. State any one way how COVID-19 has affected the people of Uganda.

   _____

2. What term is given to the laws made and passed by local authorities?

   _____

3. Name the water passage that connects the Mediterranean sea to the Red sea.

   _____

4. What was the major item of trade from Africa to America during the triangular trade?

   _____

5. Give any one example of volcanic mountains found in South Africa.

   _____

6. What is population growth?

   _____

7. Draw a map of pot in the space provided below.

8. Name any one tribe in Uganda that belongs to the plain Niloties.

   _____

9. State one reason why missionaries in Uganda taught people how to read and write.

   _____

10. State any one way in which the government of Uganda benefits from mobile telephone companies.

    _____

11. Name the line of latitude where Equinox is experienced.

    _____

12. Mention any one challenge faced by the NFA as it carries out its work.

    _____

13. What is the use of a compass to a sailor?

    _____

14. Name the system of government that is practiced in Uganda today.

    _____

15. What does the road sign below mean?

    _____

16. State any one way in which democracy in practiced in schools.

_____

17. Mention the best season for harvesting cotton.

_____

18. State any one way in which prisons are important to a country.

_____

19. Name the archeological site in Eastern Uganda where rock paintings are found.

_____

20. Mention any one tool used in school to change from one daily activity to another.

_____

21. How are trees in a school compound useful to pupils?

_____

22. Name the largest natural forest found in the central part of Uganda.

_____

23. Which missionary built the first hospital in Uganda?

_____

24. Name one country in East Africa which is a member of the southern African Development Community (SADC)

_____

25. Why was the railway line extended from Kampala to Kasese?

_____

26. What time is it at town X which is located 45^0 East if it is 6:00 am at Greenwich?

_____

27. Give one reason why land is the most important resource.

_____

28. Which country in West Africa was not colonized by the European?

_____

29. Name the body that organizes National elections in Uganda.

_____

30. Why did some African chiefs want slave trade to continue?

_____

31. State one way how Ugandans demanded for their independence.

_____

32. What title is given to the head of civil servants in a district?

_____

33. Why is Africa known as the cradle land of mankind?

_____

34. Where is the mangrove forest found in East Africa?

_____

35. Name the African Nationalist who was imprisoned for 27 years.

_____

For questions 36 to 40, answer EITHER Christian OR Islamic questions but not both. No marks will be awarded to a candidate who attempts both alternatives in a particular number.

36. Either: Mention the first commandment according to the Bible.
_____

    Or: Mention the first pillar of Islam according to the Qur'an.
_____

37. Either: Name any one Gospel book in the Bible.
_____

    Or: Name the book that was revealed to prophet Isa.
_____

38. Either: Give the word which is used to end every prayer.
_____

    Or: Name the first prophet in Islam.
_____

39. Either: Name the son of Adam who killed his brother.
_____

    Or: Name the son of Adam who killed his brother.
_____

40. Either: What was the work of Matthew before he became an Apostle?
_____

    Or: What was the work of Khadijjah the wife of Prophet Mohammed (PBUH)?
_____

SECTION B (60 marks)

41 a) What title is given to the highest civil servant in a ministry?
_____

    b) State any one way in which one can become a chairperson L.C.V in any district of Uganda.
_____

    c) Give two ways in which leaders can improve on the welfare of people in their communities.
    i) _____
    ii) _____

42 a) Name the body that is responsible for organizing population census in Uganda.
_____

    b) Mention any two reasons why the government conducts a population census.
    i) _____
    ii) _____
    c) State one challenge faced by the enumerators during census.
_____

43 a) Mention the system of administration that was used by the French in West Africa.

_____

b) Give two ways in which this system named in (a) above was implemented.

i) _____

ii) _____

c) State any one negative effect of the above named system.

_____

44 a) How was Otto Von Biskmark able to stop the scramble for Africa from becoming a war?

_____

b) Give any two reasons for the scramble and partition of Africa.

i) _____

ii) _____

c) Mention any one country in the world which is not a member of UN.
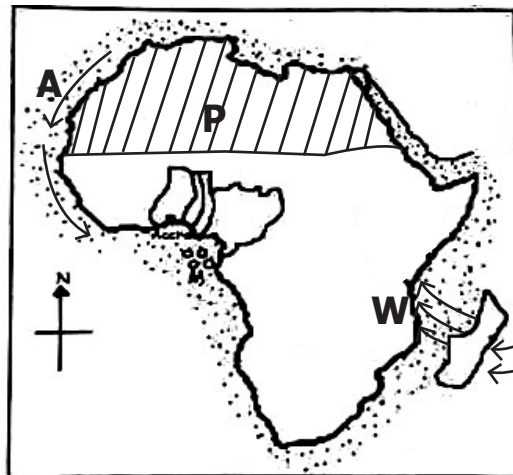
_____

45 a) What are physical features?

_____

_____

b) State two examples of draignage features.

i) _____

ii) _____

c) How was a rift valley formed?

_____

46. **Study the sketch map of Africa below and use it to answer the questions that follow.**

a) Name the ocean current marked with letter **A**.

_____

b) How do winds marked **W** affect the climate of the Eastern part of Africa?

_____

c) State the type of climate experienced in the shaded region marked **P**.

_____

d) Why does the shaded region marked P experience very cold nights?

_____

47 a) Name any two permanent member countries of the United Nations.

i) _____
ii) _____

b) State two challenges faced by the United Nations

i) _____
ii) _____

48 a) Name the method of farming in which water is applied to help crop growing.

_____

b) Mention any two areas in Uganda where the method named in (a) above is used.

i) _____
ii) _____

c) Give two advantages of using the method of farming above.

i) _____
ii) _____

49. a) What is culture?

_____
_____

b) State two types of culture.

i) _____
ii) _____

c) Give any two advantages of culture.

i) _____
ii) _____

50. a) Write IBEACO in full.

_____

b) State any two reasons why IBEACO was formed.

i) _____
ii) _____

c) Mention any one reason why the IBEACO collapsed.

_____

For each of the questions 51 – 55, answer EITHER the Christian OR Islam but not both.

51. Either: a) Mention any two types of prayer in Christianity.

i) _____
ii) _____

b) Apart from praying, state one other way Christians communicate to God.

_____

c) State any one way prayer is important in Christianity.

_____

Or: a) Mention two types of prayers in Islam.

i) _____

ii) _____

b) State any one way Muslims communicate to Allah.

_____

c) Give any way prayer is important in Islam.

_____

52. Either: a) Which sacrament joins a man and a woman as husband and wife in church?

_____

b) What do the following represent during the Holy communion.

i) Bread

_____

ii) Wine

_____

c) Why do Christians get the Sacrament of Holy Communion?

_____

Or: a) Which pillar of Islam brings the rich and the poor together?

_____

b) Name any two types of pillars in Islam.

i) _____

ii) _____

c) What is the importance of the pillar you have mentioned in (a) above.

_____

53. Either: Match correctly the days of Christian calendar in list A to their events in list B.

List A	List B
a) Palm Sunday	Resurrection of Jesus
b) Good Friday	Birth of Jesus
c) Easter Sunday	End of Lent period
d) Christmas day	Death of Jesus

a) Palm Sunday _____
b) Good Friday _____
c) Easter Sunday _____
d) Christmas day _____

Or: Match the information in List A to List B

List A	List B
a) 1st Muharram	Celebration of Iddi – el – fitir
b) 12th Rabbil-awwal	Celebration od Idd Adhuha
c) 1st Shawwal	Birth of Prophet Muhammed
d) 10th Dhul-hijah	Beginning of new year.

a) 1st Muharram _____

b) 12th Rabbil-awwal _____

c) 1st Shawwal _____

d) 10th Dhul-hijah _____

54. Either: a) What is disobedience?

_____

b) Mention the first two people who disobeyed God.

i) _____

ii) _____

c) State one danger of disobedience to a religious person.

_____

Or: a)What is disobedience?

_____

b) Name the first two people who disobeyed Allah.

i) _____

ii) _____

c) State one danger of disobedience to a religious person.

_____

55. Either: a) How do Christians benefit from making good decisions?

_____

b) Mention any two examples of good decisions that a Christian can make.

i) _____

ii) _____

c) Give one danger of bad decision making.

_____

Or: a) How do Muslims benefit from making good decisions?

_____

b) Mention any two examples of good decisions that a Muslim can make.

i) _____

ii) _____

c) Give one danger of bad decision making.

_____

END

LUWERO DIOCESE JOINT MOCK 2022

INTEGRATED SCIENCE

Time Allowed: 2 HOURS: 15 MINUTES

Emis No.					Personal No.		

Candidate's Name: ....

Candidate's Signature: ....

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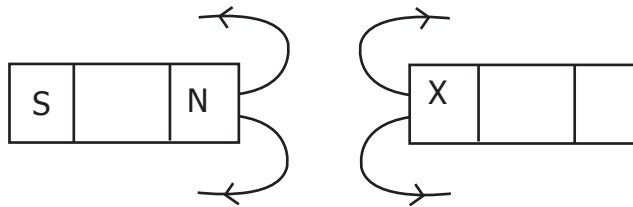8. Do not fill anything in the box indicated **"For examiner's use only"**

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SECTION A: (40 Marks)

1. Which structure helps to trap dust in the nose?

   _____

2. Give a reason why a spider is not regarded as an insect.

   _____

3. What are invertebrates?

   _____

4. Why is a bat said to be a mammal yet it flies?

   _____

5. Suggest any one way in which sunlight is beneficial during photosynthesis.

   _____

6. Why is Crop rotation important to crop farmers?

   _____

7. Give the importance of plants in a water cycle.

   _____

8. Give one example of a Sea – mammal.

   _____

9. How does the covering of food prevent it from getting contaminated?

   _____

10. Give one way in which a bird is adapted to flight.

    _____

11. Write down any one similarity between birds and fish.

    _____

12. Mention any one sign of a person suspected to be having Covid – 19.

    _____

13. State one way of avoiding sickness without the use of drugs.

    _____

14. Name any one non-renewable resource in the environment.

    _____

15. What role is played by saliva found in the mouth during digestion?

    _____

16. Why is a sweet potato grouped under root crop?

    _____

17. Give the difference between a fracture and dislocation.

    _____

18. How does the use of solar energy support environment protection in Uganda?

    _____

19. Which property of magnets is shown above?

_____

20. Which pole of a magnet is indicated by letter X?

_____

21. Which type of clouds shows Sunny weather?

_____

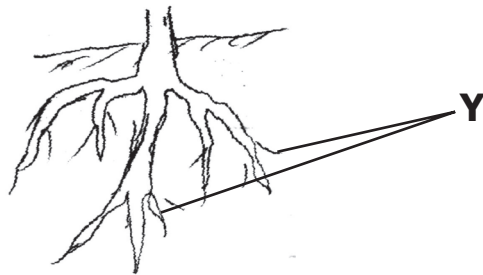22. How do you call a leaf with more than one colour?

_____

23. Why are plants regarded as living things?

_____

24. Write down one Secondary Sex characteristic common in boys and girls.

_____

25. What is the danger of living bush around a living house?

_____

26. Why do farmers in Eastern Uganda prefer rearing "work type" of cattle?

_____

The diagram shows a system of a flowering plant. Use it to answer questions 27 and 28.

27. Which type of root system is shown above?

_____

28. Of what importance are structures marked **Y** to the plant?

_____

29. Give one example of a water borne diseases.

_____

30. Suggest one way of avoiding waterborne diseases.

_____

31. Name the hardest part of a tooth.

_____

32. Write SSS in full.
_____

33. Why are gills important to a mushroom?
_____

34. Which type of bacteria is found in the root nodules of a leguminous plants?
_____

35. State the importance of stomata to a leaf.
_____

36. Write down one advantage of a switch in an electric circuit.
_____

37. Which class of food is basically recommended to young children?
_____

38. How are the small stones found in the gizzard important to chicken?
_____

39. Suggest the gestation period of an Ewe.
_____

40. How does painting prevent rusting of metals?
_____

SECTION B (60 Marks)

41 a) Write COVID –19 in full?
_____

b) State one sign of a person with COVID–19.
_____

c) Mention one way of preventing ourselves against COVID – 19.
_____

d) Give any one vaccine given against COVID – 19 .
_____

42 a) Mention any two types of poultry.
i) _____
ii)_____
b) In which two ways can local breeds of poultry be improved?
i)_____
ii)_____

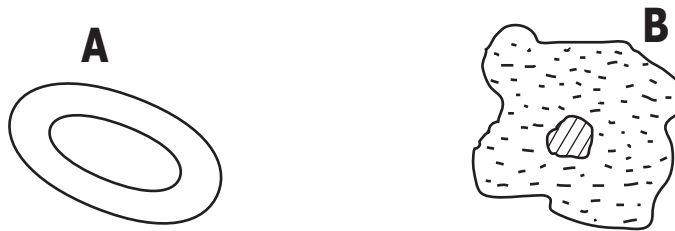43. **Study the diagram below and use it to answer the questions that follow.**

a) Name the type of leaf shown in the diagram above.

_____

b) Give a reason to support your answer in 43(a) above.

_____

c) Identify any one example of a plant with such a leaf.

_____

d) State any one way in which leaves are useful to plants.

_____

44. **The diagram below are of blood components. Use them to answer the questions that follow.**

A   **B**

a) Name the blood component marked.

i) A _____

ii) B _____

b) What is the use of the blood component marked **B**?

_____

c) How is blood component marked **A** adapted to its function?

_____

45 a) Apart from rice and wheat, mention any two other examples of cereal crops grown in Uganda.

i)_____

ii)_____

b) Give one garden tool that is used for harvesting cereal crops.

_____

c) Why are coffee plants grouped under pernial crops.

_____

46 a) Give any two examples of irregular objects.

i)_____

ii)_____

b) State the method used to find the volume of irregular objects.

_____

c) How useful is the measuring cylinder when measuring irregular objects?

_____

47 a) State the difference between a first Aid box and a first Aid kit.

_____

_____

b) Write down any two qualities of a first aider.
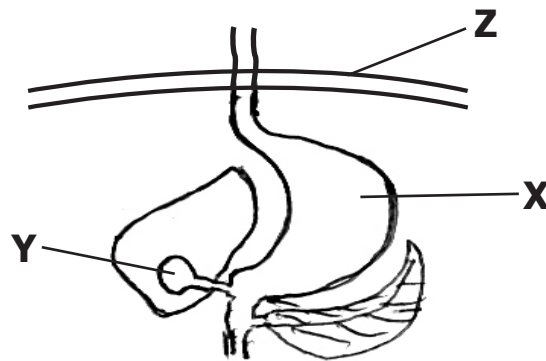
i)_____

ii)_____

c) Give any one first aid kit.

_____

48. **The diagram below in of a digestive system. Use to answer questions that follow.**

a) Name part marked **Z**.

_____

b) Mention the juice found in parts.

i) X _____

ii) Y _____

c) How useful in the juice found in part marked **Y** during digestion?

_____

49. **Draw an experiment to show that air exerts pressure in the space provided.**

50. **Match the vaccine in X to the immunisable site in Y correctly.**

a) Polio	right upper arm
b) COVID – 19	left upper thigh
c) BCG	left upper arm
d) DPT	mouth

a) Polio _____

b) COVID-19 _____

c) BCG _____

d) DPT _____

51 a) Why are lungs regarded as an excretory organ of the body?

_____

b) Name any two waste substance excreted by the lungs.

i) _____

ii) _____

c) State the importance of cilia in the nasal cavity.

_____

52. a) What are renewable resources?

_____

_____

b) Give any two example of renewable resources in the environment.

i) _____

ii) _____

c) How in one way can non-renewable resources be conserved?

_____

53 a) Define the term malnutrition.

_____

_____

b) State any two causes of malnutrition in children.

i)_____
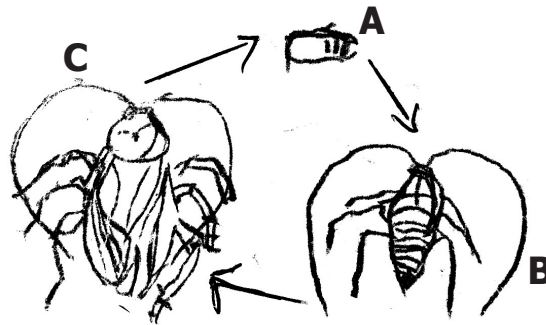
ii)_____

c) In which one way can one prevent malnutrition in a home?

_____

54 a) List down any two ways of obtaining safe and clean water for drinking.

i)_____

ii)_____

b) Outline any two ways how clean water can be made dirty.

i) _____

ii) _____

55. **The illustration below is a life cycle of an insect. Use it to answer question.**

a) What is metamorphosis?

_____

_____

b) Name the stage marked **B**.

_____

c) Apart from cockroaches, give any one example of insect which undergo such life cycle.

_____

d) Why do cockroaches moult?

_____

END

LUWERO DIOCESE JOINT MOCK 2022

ENGLISH LANGUAGE

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SECTION A: (50 Marks)
Sub-section I
In each of the questions, 1 to 5, fill the blank space with a suitable word.

1. Charles' relatives _____ very happy when he visited them.
2. All candidates were briefed _____ sitting for the examination.
3. They will imprison _____ if you continue stealing.
4. We should always _____ our parents for taking care of us.
5. _____ I was going to church, I met my friends.

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

6. Habiba is more _____ in doing housework than Anim. (interesting)
7. Of the two boys, Josh is _____. (big)
8. Leaders should pray for _____ every time. (wise)
9. Aunt Cathy bakes _____ cakes. (circle)
10. I will not buy a _____ ring because it is very expensive. (metal)
11. The _____ of the new term was dull. (begin)
12. Mr. Katongole rears _____ hens than ducks. (many)
13. Indisciplined students _____ perform poorly. (usual)
14. We like our teacher of English because of her good _____. (behave)
15. The baby has not _____ any tea since morning. (drink)

In questions 16 and 17, write the full form of the following.

16. C.O.D

_____

17. Re

_____

In each of the questions, 18 to 20, re-write the sentence giving one word for the underlined group of words.

18. Lugya bought that meat from the <u>place where animals are slaughtered from</u>.

_____

19. A sick person must eat a lot of <u>mangoes, jack fruit, and oranges</u>.

_____

20. David sells beautiful <u>chairs, tables, beds and desks</u>.

_____

For questions 21 to 22, use each of the given words in a sentence to show that you know the difference in their meaning.

21. wear:

_____

22. where:

_____

For questions 23 and 24, arrange the given words in alphabetical order.

23. holiday , home , help , house.

_____

24. envelope , affectionately , enclosed , advertisement
_____

25. being lazy stop too.
_____

26. Bombo military hospital direct me can you to?
_____

27. The sheep ate away all the green grass.
_____

28. Nakalema has broken all the new dish.
_____

29. I like my nephew because he is always smart.
_____

30. Clever pupils are always blamed.
_____

31. None of the hosts talked to us politely. (Re-write beginning: Not a single ……….)
_____

32. The musicians sang so well at party, didn't they?
(Re-write the sentence endind……….did they?)
_____

33. The storm was very strong. It destroyed the new building.
(Re-rite as one sentence using….such…that….)
_____

34. Abdul is a very handsome boy. (Re-write the sentence beginning: What…..)
_____

35. The stone is very big. Sam can't carry it.
(Re-write as one sentence using……too…to…)
_____

36. I did not go to the market. My sister did not go to the market.
(Re-write using….and so…..)
_____

37. Jemimah is the teacher. I told you about her. (Re-write using……whom…….)
_____

38. "Where has my uncle gone, Diana?" Asked Joyce.
(Re-write the sentence beginning: Joyce asked…….)
_____

39. All the clothes will be washed by Rose today. (Re-write beginning: Will……..?)
_____

40. The coach has succeeded in training his team. (Re-write using……managed…….)
_____

41. Esther does not write informal letters. (Re-write using…….hardly……)

    _____

42. We may go for a tour next month. (Re-write using………likely……)

    _____

43. Shasha's application form was not considered.
    (Re-write the sentence using…….barely….)

    _____

44. If you don't write well, you will lose marks.
    (Join the two sentences using……or…..else…..)

    _____

45. The luggage was very heavy. Obondo carried it.
    (Re-write beginning: Although…….)

    _____

46. We started writing exams at 8:30 am. It is now 4:00 pm and we are still
    writing. (Re-write using…..since…..)

    _____

    _____

47. They will bake some cakes before we break up for holidays.
    (Begin: By the time……….)

    _____

48. Zawedde is a hardworking girl. Nakazibwe is a hardworking girl.
    (Use……as well as……)

    _____

49. The teacher of Mathematics teachers very well. Mathematics is the most failed
    subject. (Re-write using: In spite of the fact………)

    _____

50. Regina bought a sewing machine. The sewing machine is blue. It is very big and
    expensive. (Join the sentence without using "and" "or" "which")

    _____

    _____

SECTION B (50 Marks)
Questions 51 to 55 carry 10 marks each.

51. **Read the passage below carefully and answer in full sentences the
    questions that follow:**
    Animals are some of the living things which are very useful to human beings.
    Much as they don't talk, they have their rights of freedoms. When animals
    enjoy their needs and freedom, they grow well and become productive.
    Therefore, we should keep them healthy by giving them adequate food, water
    and clean their shelter regularly farmers should always dip their animals in
    order to kill external parasites. Like children, we should also provide medication
    to animal in case they fall sick.

    The government should also fight for the animal rights and freedom by giving
    heavy punishment to the poachers and the butchers who slaughter young
    animals for meat and ivory. The transportation of animals from one place to
    another is also very bad in Uganda.

Therefore, the traffic officers should arrest and punish all the "Wanyanas" who harass animals during Transportation. If the above is done, animals will live a happy life.

Questions.

a) What is the passage about?

_____

b) To whom are the animals useful?

_____

c) When do animals grow well and become productive?

_____

d) How can animals be kept healthy?

_____

e) Why should farmers always dip their animals?

_____

f) What should one do to the animal in case it falls sick?

_____

g) How can the government fight for the animal rights and freedom?

_____

h) What should the traffic officers do to the "Wanyanas"?

_____

i) What do the "Wanyanas" do the animals during transportation?

_____

j) Suggest a suitable title to the passage.

_____

52. **The following advertisement appeared in the New Vision paper of Wednesday, December 9, 2021. Study it carefully and then answer questions that follow in full sentences.**

ST. FRANCES EDUCATION CENTRE

Looking for a sound school? A school above the rest? Don't strain your brain. St. Frances Education Centre is the solution you need.

We are located at Namawojja trading centre along Zirobwe – Kasawo road.

1. School fees is pocket friendly and payable in installments.
2. Enjoy our qualified and dedicated staff.
3. A balanced diet is served daily to our learners.
4. We give priority to music, games and sports.
5. A school van is ever on stand by for day scholars.

Contact us on Tel 0772691674 (for head mistress) 0751691674 (for Director)

Questions.

a) Which school is being advertised?

_____

b) When was the advertisement published in the newspaper?

_____

c) In which newspaper was the advertisement published?

_____

d) Where is the school located?

_____

e) Who normally uses the school van?

_____

f) In which year was the advertisement published?

_____

g) Which kind of diet is served to learners?

_____

h) In case one needs more information about the school, how can he or she get it?

_____

i)Write the following in full.
(i) Tel _____

(ii) Sch. _____

53 A) <u>**Study the front page of an examination paper shown below and answer the questions that follow in full sentences.**</u>

UGANDA NATIONAL EXAMINATIONS BOARD
PRIMARY LEAVING EXAMINATION
ENGLISH
Time allowed 2 hours 15 minutes.

INDEX NO: ☐☐☐☐☐☐☐☐☐

NAME: _____

SIGNATURE: _____

Do not open this booklet until you are told to do so.

Read the following instructions carefully.

1.   This paper has two sections, A and B
2.   Section A Sub section 1 has 30 questions (30 marks) and sub-section II has 20 questions (20 marks)
3.   Section B has 5 questions (50 marks)
4.   Answer All questions. All answers to both Section A and B must be written in the spaces provided.
5.   All answers must be written in blue or black ink. Only diagrams may be drawn in pencil.
6.   Unnecessary alteration of work may lead to loss of marks.
7.   Any handwriting that cannot be read may lead to loss of marks.

Questions.

1.   Who set this paper?

_____

2.   How many marks are awarded for the whole paper?

_____

3.   Why do you think a candidate should have an index number?

_____

4.   What will happen to candidates whose handwriting won't be read easily?

_____

5.   When may a candidate use a pencil.

_____

53 **B) Study the conversation and fill the blank spaces**

Shakirah	:	Good morning Irene.
Irene	:	_____
Shakirah	:	How are you?
Irene	:	_____
Shakirah	:	What are you going to do during the holidays?
Irene	:	_____
Shakirah	:	How are you going to help your parents?
Irene	:	_____
Shakirah	:	Oh that's good because your banana plantation had grown bushy.
Irene	:	_____
Shakirah	:	Oh no! I can't join you because I am also going to be busy please.

54. **The table below shows different means of transport that began the same journey from Kampala to Nairobi city. Study it carefully and then answer, in full sentences the questions that follow.**

Means of transport	Departure time	Arrival time	Distance covered	Stop over towns	Purpose for the stop over
Bus	6:30 am	2:00 pm	360 km	Iganga	Inflated the flat tyre
Car	6:30 am	1:00 pm	360 km	Malaba	Revenue check up
Train	6:00 am	5:30 pm	965 km	_____	_____
Aeroplane	11:30 am	12:30 pm	300 km	Soroti	To get new pilot
Bicycle	6:00 am	After 3 weeks	360 km	Jinja and Malaba	To repair the bicycle
Truck	5:00 am	4:00 pm	360 km	Busia	Foreign exchange
Pedestrian	5:00 am	After six weeks	360 km	All major towns	For refreshment

Questions;

a) Which means of transport arrived at 5:30 pm?
_____

b) What does the table show?
_____

c) Why do you think the pedestrian made stop overs at all major towns?
_____

d) Where did the truck make a stop over?
_____

e) Which means covered the greatest distance?
_____

f) How long did the pedestrian take to arrive?
_____

g) Which means took the shortest time to arrive?
_____

h) Which means didn't make any stop over?
_____

i) When did the car reach Nairobi city?
_____

j) Where did the aeroplane get the new pilot?

_____

55 **Read the poem below carefully and answer the questions in full sentences.**

I admire the <u>popular</u> singer
Who uses his skills of singing
To earn a living
By entertaining his audience

I also admire the renown tailor
Where business you and I reply on
To get <u>garments</u> of all fashions
And look smart before the eyes of many

I admire still the skillful footballer
Be it local or international players
So long as they discover and exploit their talent
A comfortable life they live.

I have a deep admiration for the teacher
Who like a mother or father cares
So we may learn how to read and write
To become better singers, players and workers

<div align="center">

By N.R. Jemimah

</div>

Questions

a) How many people does the writer admire?

_____

b) When does a footballer live a comfortable life?

_____

c) Who composed the poem above?

_____

d) Which person does the writer admire in stanza one?

_____

e) What do we get from the renown tailor?

_____

f) Which footballers are mentioned in the poem?

_____

g) According to the poem, whom does the writer admire most?

_____

h) Which other words or group of words can be used in place of the underlined words in the poem.
(i) Garments:

_____

(ii) popular:

_____

<div align="center">

END

</div>

LUWERO DIOCESE JOINT MOCK 2022

MATHEMATICS

Time Allowed: 2 HOURS: 30 MINUTES

Emis No.					Personal No.		

Candidate's Name: ....

Candidate's Signature: ....

School: ....

District: ....

 DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO

Read the following instructions carefully:

1. The paper has 2 sections: **A** and **B**. Section **A** has **20** questions (40 marks) and section **B** has **12** questions (60 marks).

2. All the working for both sections **A** and **B** must be shown in the spaces provided.

3. All working must be done using a blue or black ball point pen or a fountain pen. Any work in pencil other than graphs, pictures and diagrams will not be marked.

4. **No calculators** are allowed in the examination room.

5. Un ncessary changes of work may lead to loss of marks.

6. Any handwriting that cannot easily be read may lead to loss of marks.

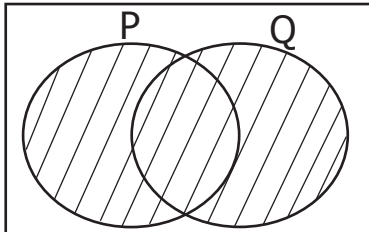7. Do not fill anything in the boxes indicated **"For examiners' use only"** and those inside the questions paper.

FOR EXERMINER'S USE ONLY		
QN. No.	MARK	SIGN
1 - 5		
6 - 10		
11 - 15		
16 - 20		
21 - 22		
23- 24		
25 - 26		
27 - 28		
29 - 30		
31 - 32		
TOTAL		

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SECTION A: (40 Marks)

1. Work out:

   $$\begin{array}{r} 23 \\ \times\ \ 2 \\ \hline \end{array}$$

2. Describe the unshaded region in the figure below.

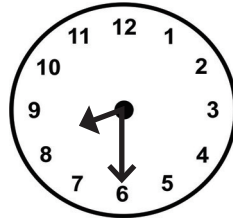3. Convert XLVIII to Hindu-Arabic numerals.

4. Find the next two numbers in the sequence below;

   5 , 7 , 11 , 13 , _____ , _____

5. Using a protractor pencil and ruler only, draw an angle of 70^0 in the space below.

6. Express the after noon time as shown on a clock face below in 24 hour system.

7. Write 764. 348 in standard form.

8. Express 7500ml to litres.

9. Substract y + 1 from 2y - 3

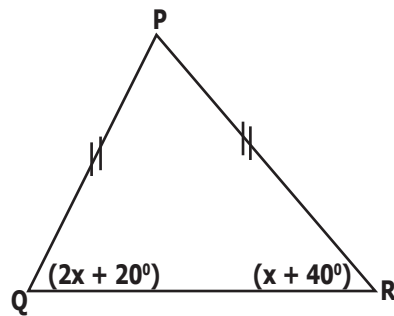10. Draw the tallies to represent 18

11. Work out: ⁻6 - ⁻2

12. In a motor rally Moses scored 12.5 points in the first leg, lost 13.9 points in the second leg and went on to score 15.8 points in the third leg. What was his final score?

13. If $y^2 = 1.96$, find the value of 2y.

14. Given that 1 dollar costs Ug.sh. 1035, how many dollars will I get with Ug.sh 87,975.

15. Round off 4,864 to the nearest hundreds.

16. Study the figure below and find the value of X given that

P

$(2x + 20^0)$ $(x + 40^0)$ R

Q

17. The GCf and LCM of the two numbers are 2 and 24 respectively. If one of the numbers is 8, find the second number.

18. Solve for P: $^-2(2P - 9) = 10$

19. If Q = {w , x , y , z} find the number of proper subset in set Q.

20. Express $0.1\bar{3}$ as a ratinal number.

SECTION B (60 Marks)

21. A head teacher of a certain school went shopping in preparation for re-opening of school and was offered 9% trade discount worth sh. 6525. Complete the shopping bill below.   **(6 marks)**
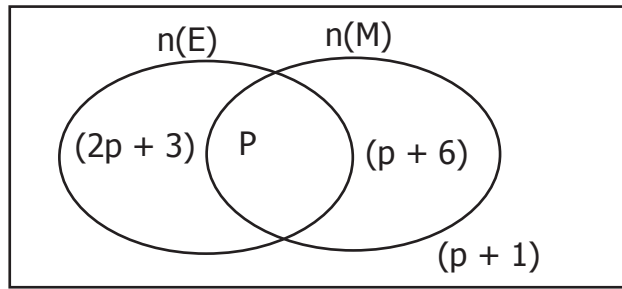
Item	Quatinty	Unit cost	Amount
Liquid soap	5 litres	Sh 3000	_____
Sanitiner	_____ litres	Sh 4500	Sh 13500
Masses	10	Sh____	Sh 20,000
Temperature register books	4	Sh____	Sh____
Total expenditure			_____

22. Coca-cola company produces 20% more bottles of sugar coca cola carbonated soda drinks than Zero sugar coca-cola carbonated drinks. If it produces 28,000 bottles of zero sugar coca-cola carbonated drinks daily;

a) What is the total number of bottles of soda produced daily?   **(2 marks)**

b) How many more sugar carbonated coca-cola bottles are produced than the zero sugar carbonated bottles?   **(2 marks)**

23. The venn diagram below shows the number of pupils who like English(E) and mathematics (M) in a certain school where as some like neither.

n(E)   n(M)

(2p + 3)   P   (p + 6)

(p + 1)

a) If the number of pupils who wrote like English is equal to those who don't like English Find the value of P.   **(3 marks)**

b) What is the probability that a child picked at random likes only one subject.   **(2 marks)**

24 Deborah, Dianah and Doreen shared money such that Dianah gets sh.400 more than Doreen and Deborah gets twice the share of Dianah. If they shared sh.12600.
a) How much did each get?   **(2 marks)**

b) How much more money did Deborah get than Doreen.

25. Below is a four by four magic square. Study it carefully and final the unknown.   **(6 marks)**

M	n	24	13
R	16	P	18
17	20	x	14
22	Y	12	25

26. a) Diagonals of a rhombus bisect each other at right angles. Using a ruler, a pencil and a pair of compasses only, construct a rhombus WXYZ such that diagonals WY = 8cm and XZ = 6cm. **(4 marks)**

    b) Measure the length XY. **(1 mark)**

27. John left Mbale at 7:00 am and reached Kampala at 11:00am driving at a speed of 90km/hr. he stayed in Kampala for 2hours and returned to Mbale at a speed of 60km/hr.
    a) What is the distance between Kampala and Mbale? **(2 marks)**

    b) Calculate the average speed for the whole Journey. **(3 marks)**

28. In a factory the blue band, cylindrical tins of volume 385cm3 whose height is 10cm, where packed in a large box measuring 56cm by 49cm and 63cm. How many tins were parked in the large box. **(5 marks)**

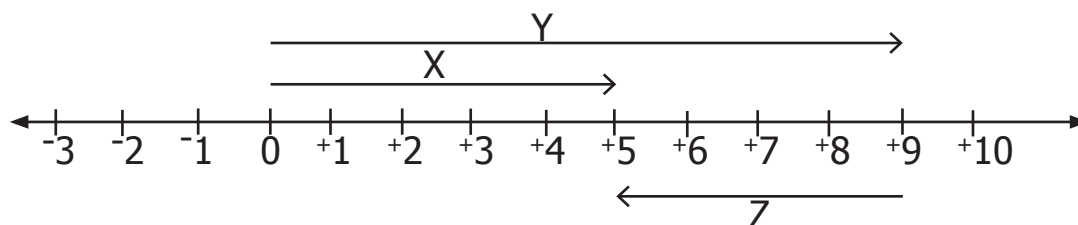29. a) Find the place value of 3 in 432_{five} **(1 mark)**

b) Solve for P: $106_p = 131_{six}$ **(3 marks)**

30. Study the numberline below carefully and answer the questions that follow.

a) Name the integers represented by the arrows. **(3 marks)**

i) x = _____ ii) y = _____ iii) z = _____

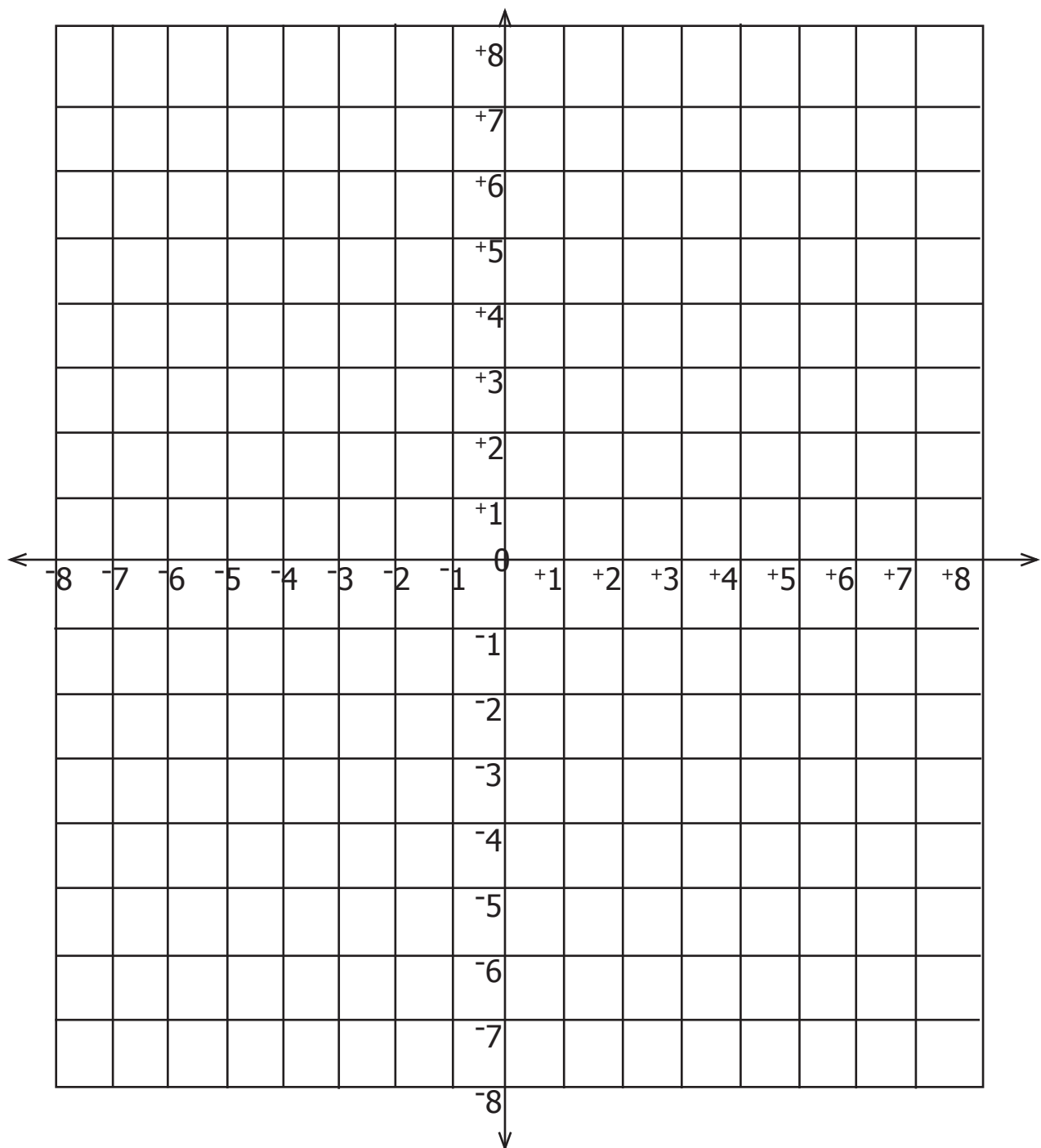b) Write the mathematical sentence for the arrow movements in the numberline above. **(2 marks)**

31. a) Solve for y: $3^y \div 3 = 81$ **(2 marks)**

b) Work out: $6^0 + (6^3 \times 6^{-2})$ **(2 marks)**

32. Use the co-rdinate graph below to answer the questions that follow.

a) Plot the points A(0 , 2) , B(4 , 2) , C(8 , -2) , D(-4 , -2)   **(4 marks)**

b) Join the points A to B, B to C, C to D and D to A and name the figure formed.

(2 marks)

END