



THE PRIME EXAMINATIONS 2024

P.7 MAGIC SET V

SOCIAL STUDIES WITH RELIGIOUS EDUCATION

Time allowed 2 hours 15 minutes

INDEX NO:

Candidate's Name:

Candidate's Signature:

District ID No.:



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READ THE FOLLOWING INSTRUCTIONS CAREFULLY

1. Do not write your school or district name anywhere on this paper.
2. This paper has two sections: A and B Section A has 40 questions and section B has 15 questions. The paper has 9 printed pages.
3. Answer all questions. All answers to both sections A and B must be written in the spaces provided.
4. All answers must be written using a blue or black ball point pen or ink. Any work written in pencil other than graphs and diagrams will not be marked.
5. Unnecessary changes in your work and handwriting that cannot easily be read may lead to loss of marks.
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1 - 10		
11 - 20		
21 - 30		
31 - 40		
41 - 43		
44 - 46		
47 - 49		
50 - 52		
53 - 55		
TOTAL		

APPROVED:

Consultant
Social Studies Department (PEC)

PUBLISHERS OF:-

THE PRIME SCREENING FRAMEWORK, PUPILS WORKBOOKS, LESSON COURSEBOOKS,
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Kimpala

Turn Over

Section A. (40 Marks)

1. Why are children advised not to play games alongside the road?

2. Gift was facing North west and she turned 135° clockwise. What new direction did she face?

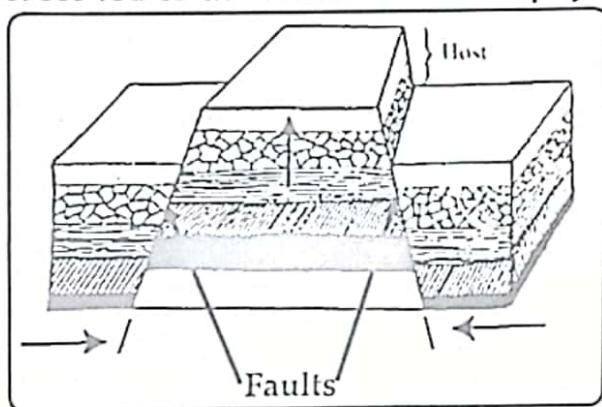
3. Why was LEGCO set up during colonial rule?

4. Give any one reason why most farmers in East Africa who practice subsistence farming remain poor.

5. How is gender equality promoted at school?

6. Why is NEMA evicting people from wetlands?

7. What forces led to the formation of the physical feature below?



8. Which type of rainfall is received in Karamoja sub-region?

9. Why is it important to care for social service centres in our community?

10. How does Lake Magadi promote the construction industry in East Africa?

- WARNING: Not to be reproduced electronically!**
11. Give a reason why a hygrometer is kept in the Stevenson screen.

12. How do school rules and regulations promote order in a school?

13. In which country of Africa are the Drakesburg mountains found?

14. Why are fly overs put across busy roads?

15. How did Kenneth Borup contribute to the development of agriculture in Uganda?

16. In which way is windy weather a problem to farmers?

17. Mention any one glacial lake around Mount Rwenzori.

18. How did the industrial revolution in Europe lead to the coming of explores in Africa?

19. Why are forested areas having a low population?

20. Give any one way people benefit from the place represented by the symbol below.


21. How is Liberia similar to Ethiopia in terms of colonial history?

22. Give any one challenge faced by people during elections in Uganda.

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- WARNING: Not to be reproduced electronically**
23. Which official is in charge of solving children's problems at the local council committee?

24. How is a tributary different from a distributary?

25. How does the local crafts industry promote the standards of living for people in our community?

26. Why is it important for a country like Uganda to have a national constitution?

27. In which way does altitude affect climate of an area?

28. Compare a nuclear family and an extended family in terms of human resources.

29. How did Ignatius Kangave Musaazi politically contribute to the development of Uganda?

30. Why were the Bantu able to form kingdoms?

31. How does the legislature promote the work of the judiciary?

32. In which way does River Congo end its flow?

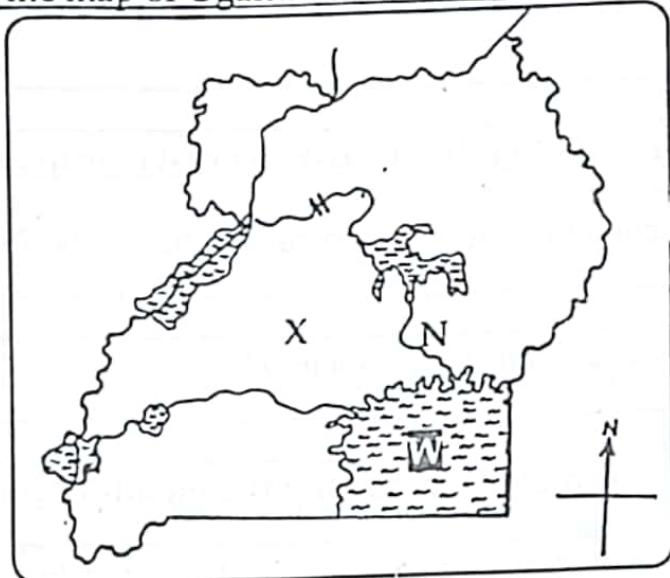
33. Give any one way how labour is important in the establishment of an industry.

34. State any one way people in rural areas benefit from those in urban centres.

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42. Study the map of Uganda below and answer the questions that follow.

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(a) Which country borders country X in the West?

(b) Why is transport difficult on the lake marked W?

(c) How does the river marked N promote the development of industries in Uganda?

(d) Use letter S to locate river Achwa.

43. (a) State any one role performed by each of the following UN organs.
(i) The International Court of Justice.

(ii) The Security Council.

(b) Who is the current Secretary General of UN?

(c) In which way do the people of Uganda benefit from the activities of UNESCO?

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35. Mention the regional body in Africa which has its headquarters in Lusaka-Zambia.

For questions 36 to 540, answer EITHER Christian or Islamic question BUT NOT BOTH in a number.

36. Either: How are the ten commandments important in our daily life?

Or: How are Islamic laws important in our society?

37. Either: Mention any one way a Christian can use the mouth to glorify God.

Or: Mention any one way a Muslim can use the mouth to glorify Allah.

38. Either: Why do Christians perform a pilgrimage to Namugongo every year?

Or: Why do Muslims perform a pilgrimage to Mecca?

39. Either: Which prophet announced the coming of the Saviour?

Or: Which prophet is related to the story of creation?

40. Either: How was man made different from other creatures?

Or: How was man made different from other creatures in Islamic faith?

Section B. (60 Marks)

41. (a) In which two ways do forests promote human health?

(i) _____

(ii) _____

- (b) Give any two causes of massive cutting down of trees in our environment.

(i) _____

(ii) _____

44. (a) Give any two political contributions of the Bachwezi to the people of East Africa.

- (i) _____
(ii) _____

(b) Which misfortune related to animal epidemics led to the collapse of Bunyoro Kitara empire?

(c) How was Bigobyamugenyi important to the Bachwezi people?

45. (a) Mention any one supporter of colonial rule in Uganda.

(b) State any two reasons why some Africans supported colonial rule.

- (i) _____
(ii) _____

(c) Why did the people of Acholi oppose colonial rule?

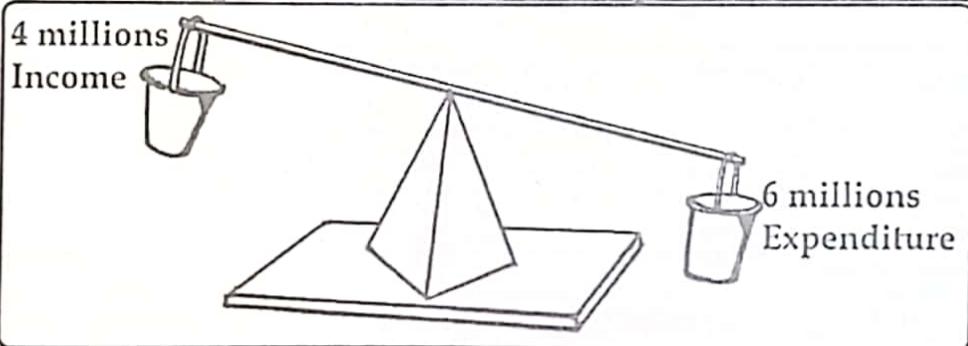
46. (a) In which country is the Akasombo dam?

(b) State any two benefits of Volta river project.

- (i) _____
(ii) _____

(c) Give any one way the Volta river project negatively affected the people of Ghana.

47. Use the diagram below to answer the questions that follow.



(a) Name the type of budget shown in the diagram above.

(b) State any one problem related to the above type of budget.

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- (c) Give any two reasons why a person should prepare a family budget.
(i) _____
(ii) _____
48. (a) Give any two examples of bad recreation activities.
(i) _____
(ii) _____
- (b) State any two positive effects of recreation activities.
(i) _____
(ii) _____
49. Study the map below and use it to answer the questions that follow.



- (a) Name the major agricultural export from the region marked Z on the map

- (b) How do the ocean current marked Y affect the climate of West Africa?

- (c) Why is the shaded area on the map having low population?

- (d) Give any one reason why road transport is difficult in the climatic zone marked X.

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50. (a) Name the people who designed the following national symbols.

(i) Coat of Arms : _____

(ii) Uganda Flag : _____

(b) What symbols shows on the Coat of Arms that Uganda has a tropical climate?

(c) How do Ugandans show respect to the National Anthem when being sung?

For questions 51 to 55 answer Either Christianity or Islamic question BUT NOT BOTH in a number.

51. Either:

(a) Mention any two types of marriage in our community.

(i) _____ (ii) _____

(b) Give any two reasons why people decide to get married.

(i) _____

(ii) _____

Or:

(a) Mention any two types of marriages.

(i) _____ (ii) _____

(b) Give any two reasons why people decide to have Islamic marriage.

(i) _____

(ii) _____

52. Either:

(a) Give any two selfless acts done by the Christians in church.

(i) _____

(ii) _____

(b) State any two reasons why Christians give tithe in the church.

(i) _____

(ii) _____

Or:

(a) Name any two groups of people who qualify to receive zakah.

(i) _____ (ii) _____

(b) In which two ways is Zakah important in Islamic faith?

(i) _____

(ii) _____

53. Either:

(a) Why are the following people remembered in the Bible.

(i) Moses:

(ii) Abraham:

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(b) Give any two reasons why God sent the prophets to the people of Israel.

- (i) _____
(ii) _____

Or:

(a) Why are the following people remembered in the Islamic faith?

(i) Musa:

(ii) Ibrahim:

(b) Give any two reasons why Allah sent prophets in the Quran.

- (i) _____
(ii) _____

54. Either:

(a) What is a prayer?

(b) Give any two reasons why Christians pray before they do the following;

(i) Going for long Journeys : _____

(ii) Doing their examinations: _____

(c) Why do Christians humble themselves during prayers?

Or:

(a) What is salat?

(b) Give any one reason why Muslims pray before they do the following;

(i) Going for long Journeys. . .

(ii) Doing their examinations.

(c) Why do Muslims humble themselves during prayers?

FOR BOTH.

55. (a) State any two similarities between Christianity and Islam.

(i) _____

(ii) _____

(b) Give any two differences between Christianity and Islam.

(i) _____

(ii) _____



Understand the instructions

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ENGLISH LANGUAGE

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English Language Department (PEC)

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Turn Over

Section A. (50 Marks)

Sub-section I (30 Marks)

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

1. _____ edits the news that is published in Prime Newspaper?
2. Omondi has bought _____ sugar from the shop.
3. She has enveloped the letter in an _____.
4. _____ had the police officer signaled when I braked the car.
5. The vet has vaccinated the dogs to protect them _____ rabies.

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

6. The _____ are very kind to the candidates. (invigilate)
7. Akurut was the _____ in the 100 metre race. (nine)
8. He prefers eating _____ to eating oranges. (mango)
9. Why did she make such a _____ decision? (child)
10. Zamu was _____ by a swam of bees yesterday. (sting)

11. One of my pen friends is a _____. (Scotland)
12. The farmer has _____ all his pawpaw trees. (prune)
13. The careless motorist caused an accident due to his _____. (care)
14. Sugar is _____ than salt in our village. (expensive)
15. Moses _____ reading a story book now. (to be)

For questions 16 and 17, rearrange the given words in alphabetical order.

16. soft, short, smooth, square
17. breaking, breaks, broken, broke

For questions 18 and 19, use each of the word given in a sentence to show that you know the difference in the meaning.

18. peace

19. piece

In each of the questions 20 and 21, rewrite the sentence giving the opposite of the underlined word.

20. All the waiters at Beto Hotel are very organised.

21. He always spends all the money he gets.

WARNING: Note to Candidates
In each of the questions 22 and 23, write the full form of the given short form.

22. Rd _____ 23. cc _____

For questions 25 and 26, give the plural form of the given words.

24. a pair of shoes _____ 25. chimney _____

For each of the questions 26 to 28, rewrite the sentence giving one word for the underlined group of words.

26. When the bell was rung, all the candidates stood up at once.

27. Why is she not kind to other children?

28. My uncle did not write something as an answer to my letter.

In each of the questions 29 and 30, rearrange the words to form correct sentences.

29. honest How girl a is Mary!

30. rides bicycle cyclist That carefully his.

Sub section II (20 Marks)

For each of the questions 31 to 50, rewrite the sentences as instructed in the brackets.

31. That is the examination room. I sat my examination from there.
(Rewrite as one sentence using:.....*where*.....)

32. Akello did not go to the library. She did not borrow textbooks.
(Rewrite as one sentence beginning: *If*.....)

33. It is not good to tell lies. (Rewrite beginning: *Telling*.....)

34. How interesting long journeys are! (Rewrite the sentence using:.....*very*....)

35. He has a painful tooth. He has not gone to the dentist's.
(Rewrite as one sentence using:.....*but*.....)

36. Primary seven class is made up of sixty pupils. (Rewrite using:....*consists*.....)

37. The mechanic did not repair my car, did he?
(Rewrite the sentence ending: *didn't he?*)
38. Every motorcyclist is wearing a helmet. (Rewrite beginning: *All.....*)
39. I need a dictionary to look up words.
(Form a correct question to the response.)
40. John campaigned very well but he did not win the elections.
(Rewrite the sentence using: even though.....)
41. "Pick your bag and walk out," the teacher ordered Peter.
(Rewrite the sentence beginning: *The teacher ordered.....*)
42. Mugerwa joined Kota Primary School in 2020. It is now 2024 and he is still there. (Rewrite as one sentence using: *for.....*)
43. Everyone likes Otto. He is very kind. (Rewrite using: *because of.....*)
44. That ox is very old. It cannot plough the garden.
(Rewrite as one sentence using: *too..... to.....*)
45. Masaba is listening to news on the radio. Bbosa is listening to news on the radio. (Rewrite as one sentence using *and so.....*)
46. The hotelier is not at the hotel. The cashier is not at the hotel.
(Rewrite as one sentence beginning: *Neither..... nor.....*)
47. It is not far from Masindi to Hoima. (Rewrite using: *a long way.....*)
48. Mercy makes mats every weekend. (Rewrite beginning: *Mats.....*)

49. When you read a lot of books. You become knowledgeable.
(Rewrite as one sentence beginning: *The more*.....)
50. This is the gentleman. I travelled with him to town yesterday.
(Rewrite as one sentence using:whom.....)

51. Section B. (50 Marks)
Read the letter below carefully and then answer, in full sentences, the questions that follow.

Makota Primary School
P O Box 05
Kota

10th August 2024

The Head teacher
Budada Secondary School
P O Box 249
Budada

Dear Sir/Madam,
RE: APPLICATION FOR A VACANCY IN SENIOR ONE
I am writing this letter to apply for a vacancy in senior one in 2025. I am a male Ugandan aged 13.

I sat my PLE in 2024 and scored the following results. ENG - 1 MATHS - 2 INT.SCI - 1 SST/RE - 1. I scored a total aggregate of 5 and passed in division one.

For more information about me, please contact Mr Zimbo Wilson, my head teacher on 0784262700 or Mrs Nambi Winfred on 0779666429.

Apart from a good academic performance, I was also a good basketballer. I am looking forward to getting a positive reply from you.

Yours faithfully
Fungo Eric.
FUNKO ERIC

Questions.

(a) In which school is the writer of the letter?

(b) When was the letter written?

(c) To whom was the letter written?

(d) Why was this letter written?

(e) According to the letter, how old is the writer?

(f) In which class is the writer applying for a vacancy?

(g) What was the total aggregate scored by the applicant?

(h) Write one referee mentioned in the letter.

(i) What do you think is the writer's talent?

(j) Who wrote this letter?

52. Study the document below carefully and then answer, in full sentences the questions that follow.



WEDDING INVITATION CARD



The family of Mr and Mrs Okurut Ronald of Montoro, Meddu Sub-county together with the family of Mr and Mrs Tumusiime Gerald cordially invite the company of Mr and Mrs Zambali Ben of Majengo to the wedding ceremony of their children Mugisha Deo and Natukunda Melanie.

The wedding will take place on 20th November 2024 in St Mark Church of Uganda, Bamba at 10:00 a.m and later the reception at Zamilo Beach in Gaba.

RSVP (regrets only)
Mulima Jack 0700404076
Opio Fred 0760077784
(Please come with this card)



Questions.

- (a) What do we call the document above?

(b) Who are being invited according to the card?

(c) Where does Mr Okurut Ronald stay?

(d) Who is the bridegroom?

(e) When will the wedding take place?

(f) Where will the wedding take place?

(g) What will be the relationship between Natukunda Melanie and Mugisha Deo after the wedding?

(h) From where does Mr. Zambali Ben come ?

(i) Write RSVP in full.

(j) How can one communicate to Opio Fred about this wedding?

53. Read the poem below carefully and then answer, in full sentences, the questions that follow.

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Oh! I don't know the way to my new school
On the journey to my new school
I will begin it very early
At 6:00 a.m, to reach early.



In the trading centre
I will turn left
And walk for one kilometre
Then find the school signpost

I will start the journey to the main road
As directed by my mother
I will turn right and walk direct
For two kilometres to Bemba Trading Centre.



Oh! I will walk for a half a kilometre
And reach the school gate
On the black gate, I will knock
To be allowed to enter my new school compound.

Masaba Dada
primary four

Question.

- (a) To where will the writer of the poem go?

- (b) At what time will the writer begin the journey?

- (c) Who has directed the writer according to the poem?

- (d) To which hand side will the writer turn after reaching the main road?

- (e) For how long will the writer walk to reach Bemba Trading Centre?

- (f) How many kilometres will she walk to find the school signpost?

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- WARNING: Not to be reproduced electronically**
- (g) What shows that the writer will not fail to reach her new school?

(h) What is the colour of the gate at the writer's new school?

(i) Who is the writer of the poem?

(j) In which class is the writer of the poem?

54. The sentences below are in **WRONG** order. Rearrange them to form a short composition about "My Journey to the Village."

- (a) The policeman came closer to the car and asked for the driving permit.
(b) The policeman signalled to my father to stop the car.
(c) One day, I travelled with my father to the village.
(d) Immediately, my father pulled out the driving permit and gave it to the officer.
(e) After checking, he gave it back to my father and we continued with our journey
(f) My father braked the car and parked it on the side of the road.
(g) Since I had taken two years without going there.
(h) We travelled for one kilometre and met a policeman on the road.
(i) I was very happy to travel to the village to visit my grandparents.
(j) When the day reached, we boarded our car and started the journey.
- _____

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55. The dialogue below was between a mother and her son on a phone call. The words of the mother are given. Use them to write what you think the son said.

Mother: Hello my son.

Son : _____

Mother: How are you, my son?

Son : _____

Mother: I am also fine. How is Mbale Town?

Son : _____

Mother: Oh! It is the same this way in the village. It has also rained heavily today. Do you have some time so that we can talk for long?

Son : _____

Mother: Thank you, my son if you are not very busy at the moment. When do you plan to visit us in the village?

Son : _____

Mother: Oh! December is very far my son. We would like to organize a family meeting with your father. Can't you get some little time and attend.

Son : _____

Mother: Please, try to get some time as you have promised. Do you call and talk to your siblings in Kampala?

Son : _____

Mother: Two months without talking to them are a lot, son why don't you call them, please?

Son : _____

Mother: I know you are always busy but getting some two minutes to say hello to them is enough. Do you work even on weekends?

Son : _____

Mother: If you don't work on weekends. Then I think we can have the meeting on weekend. Is it fine with you?

Son : _____

Mother: Okay. Thank you for accepting my son. Have a blessed day.

Son : You are welcome, mother. Have a blessed day too.



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INTEGRATED SCIENCE

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Kampala

Turn Over

Section A. (40 Marks)

1. Name any one vector that can result from poor personal hygiene.
2. State the energy change that takes place during the burning of paraffin in a lantern.
3. Which element of weather helps a crop farmer to dry his harvested sorghum?
4. Give any one effect of rusting of metallic garden tools to crop farmers.
5. Give one reason why earthworms come out of the soil immediately after raining.

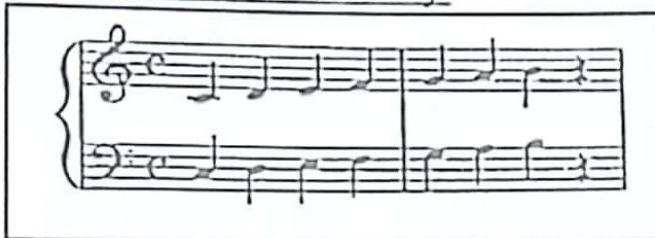
The diagram below shows an infant suffering from a certain deficiency disease. Study and use it to answer questions 6 and 7 correctly.



6. Which deficiency disease is the above infant suffering?
7. Name the food value you would advise the parents to feed the infant shown in the diagram above.
8. Give any one way how air sacs are adapted to their function of carrying out gaseous exchange.
9. State the use of yeast in the process of fermentation of alcohol.
10. Name the component of a VIP latrine which traps flies to death.

11. Give any one indicator of constipation in people.
12. Name the immunisable disease worsened by smoking.
13. State what happens to the volume of a liquid when frozen.
14. Give any one way how white blood cells are useful in the body.
15. State one effect of too much rainfall to the plants.

The diagram below shows a way of storing music. Study and use it to answer questions 16 and 17 correctly.



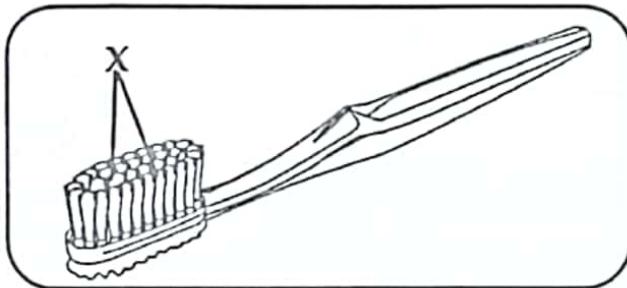
16. Name the way of storing music shown in the diagram above.
17. Mention any one instrument that can be used to reproduce music stored as shown in the diagram above.
18. Give any one cause of dehydration in babies.
19. State any one way how adolescents can prevent sexual deviations.
20. Which form of electricity is generated by the help of steam from hot springs?
21. State one reason for mixing ORS in clean containers.

22. Give one reason why growth and development are regarded as biological changes.

23. Identify any one care that should be given to breastfeeding mothers.

24. State any one similarity between ferns and beans.

The diagram below shows an item used in promoting dental and oral hygiene. Study and use it to answer questions 25 and 26 correctly.



25. Name the item shown in the diagram above.

27. What happens to the stomach during inspiration?

28. Name the type of germ that causes tetanus.

29. Apart from a clean kitchen, name one component of a clean home.

31. State any one use of honey to man.

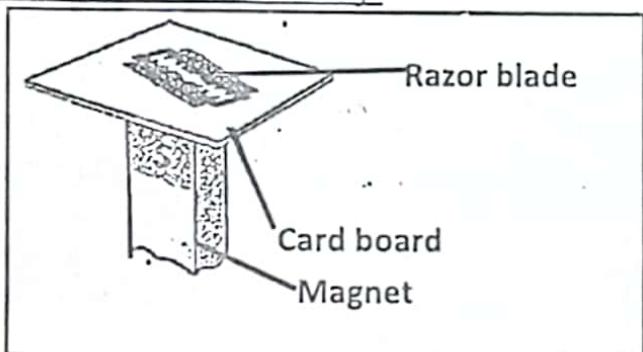
32. Give any one reason why rabbit hutches are raised above the ground.

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33. How useful is to dip the burnt part in clean cold water?

34. State any one danger of white flies on cassava plants.

The diagram below shows a property of magnets. Study and use it to answer questions 35 and 36 correctly.



35. Which property of magnets is shown in the diagram above?

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36. How is the above property of magnetism applied in our daily life?

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37. How does overstocking lead to soil erosion?

WARNING: Not to be reproduced electronically

38. State any one way of conserving wood fuel in a home.

WARNING: Not to be reproduced electronically

39. Name the only vein that transports oxygenated blood in the body.

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40. Robert wanted to mix ORS locally and had the following items; salt, sugar, clean boiled water and a clean container. Identify the item he forgot to include in his list.

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Section B (60 Marks)

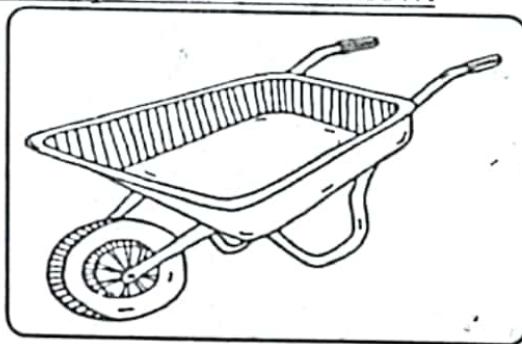
41 (a) To which group of energy resources is water?

(b) Apart from tidal energy, mention two other energy resources obtained from water.

(i) _____
(ii) _____

(c) Which type of electricity is generated using fast flowing water?

42. The diagram below shows an example of a simple machine. Study and use it to answer questions that follow.



(a) Identify the type of simple machines where the above machine belongs.

(b) How useful is the above simple machine to people?

(c) Give any one force that affects the efficiency of the simple machine shown above.

(d) How can people who use the above machine prevent it from rusting?

43 (a) Which type of fertilization do fish undergo?

(b) State the use of the following parts to a fish;

(i) Scale:

(ii) Tail fin.

(c) How is the swim bladder useful in the life of fish?

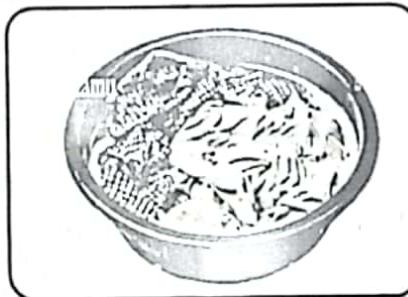
44 (a) Name the disease which results from deficiency of proteins in the body of infants.

(b) Give any two signs of protein deficiency disease in infants.

- (i) _____
(ii) _____

(c) Mention any one example of a food crop rich in proteins.

45. The diagram below shows one of the steps taken when cleaning clothes.
Study and use it to answer questions that follow.



(a) Which step of cleaning clothes is shown in the diagram above?

(b) Give one way how the step shown above is necessary when cleaning clothes.

(c) Apart from the above, mention one other steps of cleaning clothes.

(d) How does cleaning of clothes promote personal hygiene?

46. (a) Give the meaning of the term first aid.

(b) State any two reasons for administering first aid to casualties.

(i)

(ii)

(c) How is a first aid box useful to a first aider?

47. Match the following diseases that affect cattle to their cause correctly.

Disease

Nagana

Anthrax

Pneumonia

Foot and mouth disease

Cause.

bacteria.

virus.

protozoa.

bacteria/virus

(i) Nagana : _____

(ii) Anthrax : _____

(iii) Pneumonia : _____

(iv) Foot and mouth disease : _____

48 (a) Name the type of leaves with one leaflet on the leaf stalk.

(b) Apart from transpiration, give any one important plant process that takes place in leaves.

(c) State two importance of transpiration to plants.

(i)

(ii)

49. (a) Why does a pencil put in a glass of clear water appear bent?

(b) Give any one effect of opaque objects on light.

(c) State two ways how opaque objects are useful to human being.

(i)

(ii)

50. The diagram below shows an equipment found in a school community. Study and use it to answer questions that follow.



- (a) Name the equipment shown in the diagram above.
-
- (b) State the use of the above equipment in a school community.
-
- (c) Give the reason why the above equipment is always put in an open place in a school.
-
- (d) Name the gas contained in the above equipment.
-
51. (a) Give one reason why clay soil is suitable for pottery.
-
- (b) State any two properties of clay soil.
- (i) _____
- (ii) _____
- (c) Give any one reason why clay soil is not good for growing crops.
-
52. (a) What are insulators as used in electricity?
-
- (b) Mention any two examples of electricity insulators.
- (i) _____
- (ii) _____
- (c) Give any one way how electric insulators prevent short circuits.
-

53. (a) State any two causes of teenage pregnancy.

(i) _____

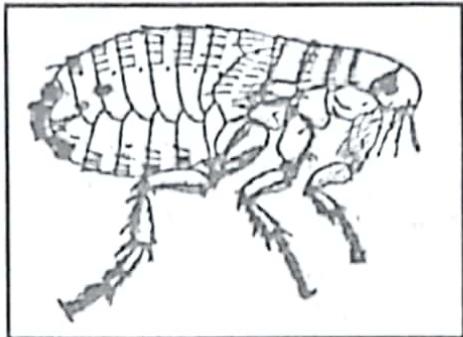
(ii) _____

(b) Give any two effects of teenage pregnancy.

(i) _____

(ii) _____

54. The diagram below shows a parasite in goats. Study and use it to answer questions that follow.



(a) Which type of parasite is shown in the diagram above?

(b) Give any one effect of the above parasite to goats.

(c) State any two ways of controlling the above parasite in goats.

(i) _____

(ii) _____

55. (a) Name the process that makes dew to disappear in the morning.

(b) In which state of matter does heat travels;

(i) fast: _____

(ii) fastest: _____

(c) Why can't heat pass through vacuum?



Understand the Instructions

Every test has a set of instructions to guide you when doing it.

Make sure you read and understand both the general and specific instructions given in questions.



THE PRIME EXAMINATIONS 2024

P.7 MAGIC SET V

MATHEMATICS

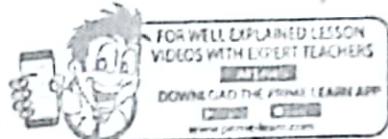
Time allowed 2 hours 30 minutes

INDEX NO:

Candidate's Name:

Candidate's Signature:

District ID No.:



READ THE FOLLOWING INSTRUCTIONS CAREFULLY

1. Do not write your school or district name anywhere on this paper.
2. This paper has two sections: A and B Section A has 20 questions and section B has 12 questions. The paper has 9 printed pages.
3. Answer all questions. All the working for both sections A and B must be shown in the spaces provided.
4. All working must be done using a blue or black ball point pen or ink. Any work done in pencil other than graphs and diagrams will not be marked.
5. No calculators are allowed in the examination room.
6. Unnecessary changes in your work and handwriting that cannot easily be read may lead to loss of marks.
7. Do not fill anything in the table indicated "For Examiners' use only", and those boxes inside the question paper.

FOR EXAMINERS' USE ONLY		
QUESTION NUMBER	MARKS ATTAINED	INITIALS
1 - 5		
6 - 10		
11 - 15		
16 - 20		
21 - 22		
23 - 24		
25 - 26		
27 - 28		
29 - 30		
31 - 32		
TOTAL		

APPROVED:


Consultant

Mathematics Department (PEC)

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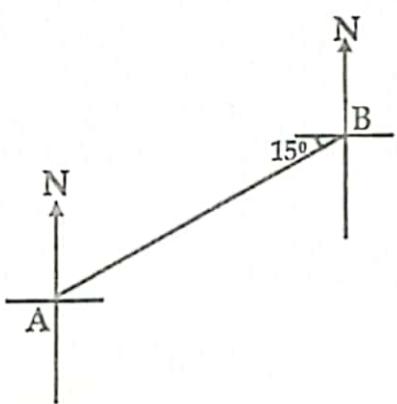
Kampala

Turn Over

Section A (40 Marks)

<p>1</p> <p>Workout: 54×2</p>	<p>2</p> <p>Write 417,049 in words.</p>
<p>3</p> <p>Solve: $p + 3 = 2$ (Finite 5)</p>	<p>4</p> <p>Circle the composite numbers from 5, 6, 7, 3, 9, 11, 13.</p>
<p>5</p> <p>Simplify: $3 + 4y = 7y$</p>	<p>6</p> <p>Given that set R = {m, a, n, g, o}, calculate the number of subsets contained in set R.</p>
<p>7</p> <p>Find the number expanded to give; $(6 \times 10^3) + (7 \times 10^0) + (8 \times 10^{-2})$</p>	<p><input type="text"/></p>
<p>8.</p> <p>Kamya sold a bag at sh 64000 making a loss of sh 3500. Calculate the cost price of the bag.</p>	<p>9</p> <p>Change 6km^2 into square metres.</p>

<p>10 Write 6:45 a.m in the 24 hour clock.</p>	<p>11 Work out: $1\frac{1}{4} - \frac{2}{3}$</p>
<p>12 Find the value of the digit in the hundreds place in 54789.</p>	<input type="text"/>
<p>13 A garden can be weeded by 8 men in 5 days. How many men working at the same rate can weed the garden in 4 days?</p>	
<p>14 Using a pair of compasses, a ruler and a pencil only, construct an angle of 75°.</p>	

<p>15. A box contains 30 oranges, 21 are ripe while the rest are unripe. An orange is picked at random from the box, find the probability that it is unripe.</p>	<p>16. If $r = 4$ and $s = -5$, find the value of $r - s^2$.</p>
<p>17. A farmer planted trees around a rectangular plot of land measuring 100m by 50m at an interval of 4m apart. How many trees did the farmer plant?</p>	
<p>18. The diagram below shows the positions of towns A and B. Use it to answer the questions that follow. Find the bearing of A from B.</p>	

19 In a class of 40 pupils, 70% of the pupils were present on Tuesday. How many pupils were absent that day?

20 Find the least number of books when shared among 12 boys or 15 girls equally, leaves a remainder of 7 books.

Section B (60 Marks)

21 (a) Work out: 213_{five} (02 marks)
$$\begin{array}{r} - 44_{\text{five}} \\ \hline \end{array}$$

(b) Given that $23_k = 33_{\text{four}}$, find the value of k. (03 marks)

22

Namono went to the market and bought the following items.

4kg of rice at sh 3000 per kg

500g of sugar at sh 4,000 per kg

10 mangoes at sh 1200 for every 3 mangoes.

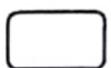
(a) Calculate the total cost of the items.

(03 marks)

WARNING

(b) If Namono paid sh 15,000 for all the items, what discount was she offered?

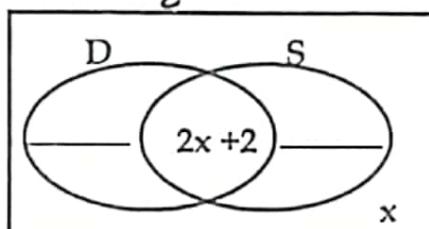
(02 marks)



23

In a class, 25 pupils like debating (D) only, $(2x + 2)$ pupils like both debating and swimming (S), $(7x + 2)$ pupils like swimming but not debating while x pupils like none of the two activities.

(a) Complete the Venn diagram below using the above information. (02 marks)



(b) Given that 55 pupils like one type of activity only, find the value of x .

(02 marks)

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(c) Calculate the number of pupils in the class.

(01 mark)

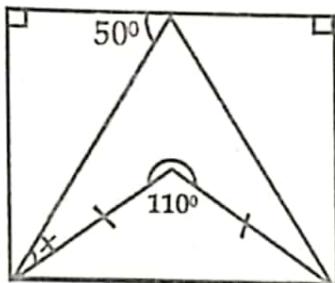
- 24 A motorist covered 80% of his journey in 3 hours. If he was moving at a steady speed of 60km/hr, find the total distance the motorist covered. (05 marks)

- 25 Solve for the equation. (03 marks)

$$\frac{1}{2}y + 2 = 7 - \frac{1}{3}y$$

- (b) Solve the inequality; $12 - 3k > k + 4$ (02 marks)

- 26 Study the figure below carefully and use it to answer the questions below.



- (a) Find the value of angle x. (03 marks)

- (b) What angle is $\frac{3}{5}$ of its supplement? (02 marks)

27 Muwata deposited a certain amount of money in a bank which offers an interest rate of 2% per annum. After 6 months the money had amounted to sh 606,000. Calculate the money Muwata deposited in the bank. (05 marks)

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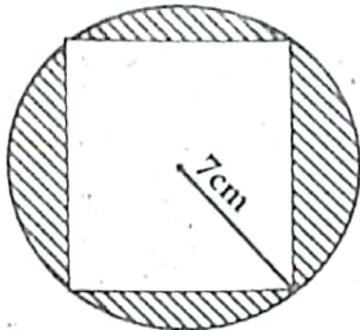
28 (a) Using a ruler, a pencil and a pair of compasses only, construct a quadrilateral MNOP where line $MN = 8\text{cm}$, $\angle NMP = \angle MNO = 45^\circ$ and $NO = MP = 4\text{cm}$. (04 marks)

(b) Measure the length PO. (01 mark)

29 A box packed with spoons weighs 10.5kg. If the empty box weighs 500g, find the number of spoons in the box if each spoon weighs 50g. (05 marks)

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- 30 The figure below shows a square enclosed in a circle of radius 7cm. Study it and use it to answer the questions that follow.



(a) Calculate the area of the circle. (03 Marks)

(b) Find the area of the shaded part. (02 Marks)

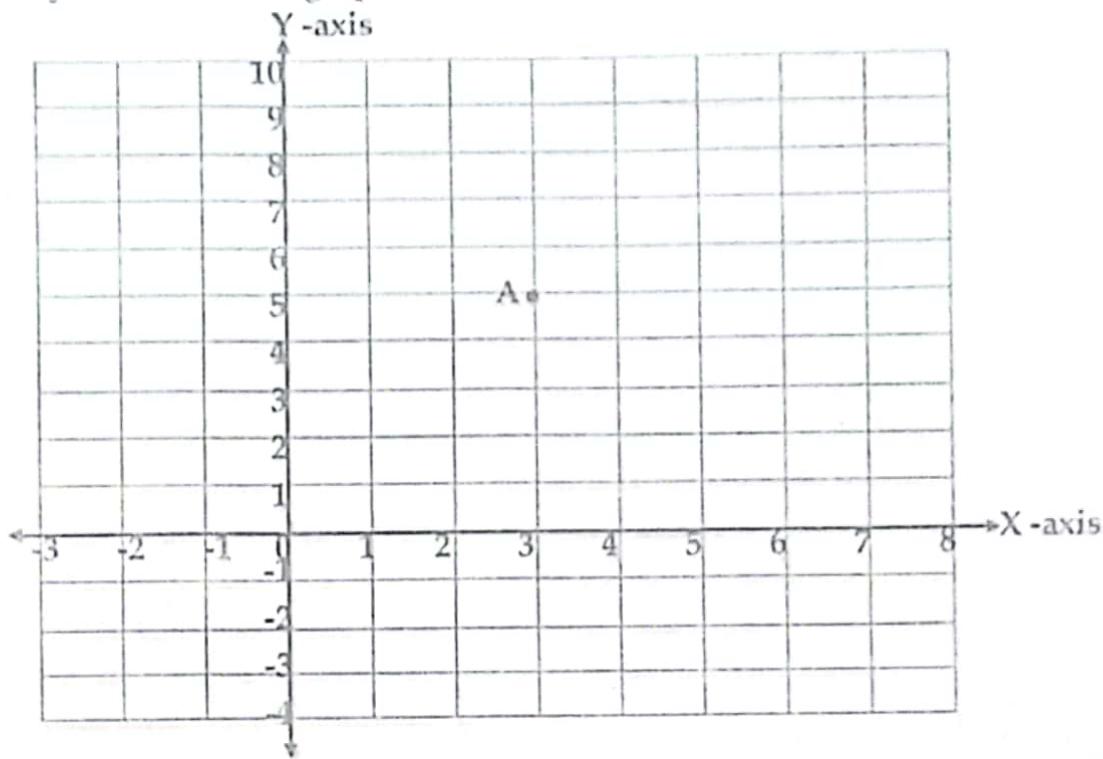
- 31 In a class, $\frac{1}{4}$ of the boys do not have sportswear while $\frac{2}{3}$ of the girls have sports wear. The percentage of boys in the class is 40%. There are 24 boys with sportswear in the class.

(a) How many pupils are in the class? (03 marks)

(b) Find the number of girls without sportswear.

(02 marks)

37. Study the coordinate graph below and use it to answer the questions that follow.



(a) Write the coordinates of point A.

(01 mark)

(b) Plot the points B(6,5) and C(7,8) on the graph.

(02 marks)

(c) Join points A to B and B to C. locate a point D on the graph, join it to A and C such that ABCD is an isosceles trapezium.

(02 marks)



Understand the Instructions

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