

# KAMPALA PRIMARY SCHOOLS SKYLINE EXAMINATIONS™

## P.L.E – 2022

### Set 02

## INTEGRATED SCIENCE AND HEALTH EDUCATION

**Time Allowed: 2 hours 15 minutes**

**Index No.**

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**Candidate's Name:**.....

**Candidate's Signature:**.....

**School Name:**.....

**District Name:**.....

**DO NOT OPEN THIS BOOK LET UNTIL YOU ARE TOLD TO DO SO.**

**Read the following instructions carefully;**

1. The paper has two Sections: A and B.
2. Section A has 40 short questions ( 40 marks ).
3. Section B has 15 questions ( 60 marks ).
4. Attempt ALL questions. All answers to both Sections A and B must be written in the spaces provided.
5. All answers must be written using blue or black ball-point pen or ink. Only diagrams and graphs work may be done in pencil.
6. Unnecessary alteration of work will lead to loss of marks.
7. Any handwriting that cannot easily be read may lead to loss of marks.
8. Do not fill anything in the 'boxes indicated for examiners' use only.

**FOR  
EXAMINERS'  
USE ONLY**

FOR EXAMINERS' USE ONLY		
Qn. No.	MARK	SIG.
1 – 10		
11 – 20		
21 – 30		
31 – 40		
41 – 43		
44 – 46		
47 – 49		
50 – 52		
53 – 55		
TOTAL		

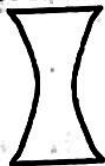
## SECTION A

1. Give the body organ that regulates the function of each organ in the human body.  
.....
2. What protects the eyes of a bird while flying?  
.....
3. Give the natural source of energy that aids your skin to synthesize vitamin D.  
.....
4. Besides a frog, which other organism not in amphibian group has external fertilization?  
.....

Study the diagram below and answer the question that follows.



5. Name the light ray given above.  
.....
6. Point out one use of cotton gauze while providing First Aid.  
.....
7. Name the germ that causes syphilis.  
.....
8. Give one cause of short circuits at homes that use electricity current.  
.....
9. Name the source of energy in the environment that enables water cycle to take place.  
.....
10. Why must spikes that conduct electricity be put on all tall buildings?  
.....
11. Name the lens given below.  
.....



12. Mention one example of a natural magnet.  
.....
13. What is a dislocation?  
.....
14. How does sound travel?  
.....
15. In which way can smoking of cigarettes affect the skin?  
.....



16. Mention the vector that spreads schistosomes.

17. Give one method used in soil conservation.

Study the diagram below and use it to answer question 18.



18. Identify the tooth shown at the side.

19. Give one living example of a natural source of light in the environment.

20. What is child spacing?

21. Mention the insect that produces already hatched larvae.

22. What gas is used in leguminous plants to make proteins?

Study the diagram below and use it to answer question 23.



23. Identify the non-flowering plants drawn at the side.

24. What is weight?

25. In which way can your lungs be associated to the circulatory system?

26. How can one identify a poisonous snake?

27. What amount of water does a sinking object displace equal to?

28. Give one example of a mixture that can be separated using evaporation.

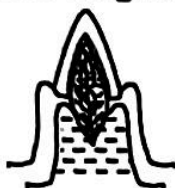
29. How can a P.7 pupil get infected by hookworms?

30. What causes anaemia in infants?

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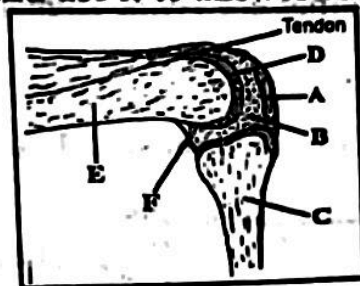
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Study the diagram below and use it to answer the following questions.



42. a) Name the part marked A.

b) Why is part marked B useful in the joint?

c) Besides calcium mention any other mineral salt useful for the development and growth of strong bones and teeth.

d) How is part marked D adapted to its function?

43. a) Give two examples of wedges.

(i)

(ii)

b) Mention one use of a wedge in a kitchen.

c) State one way wedges in the kitchen are stored to prevent rusting.

44. a) Give the importance of brushing teeth after a meal.

b) Which type of teeth is best suited for grinding food?

c) How can you tell that the teeth have cavities?

d) Which type of digestion takes place in the mouth with the act of the teeth?

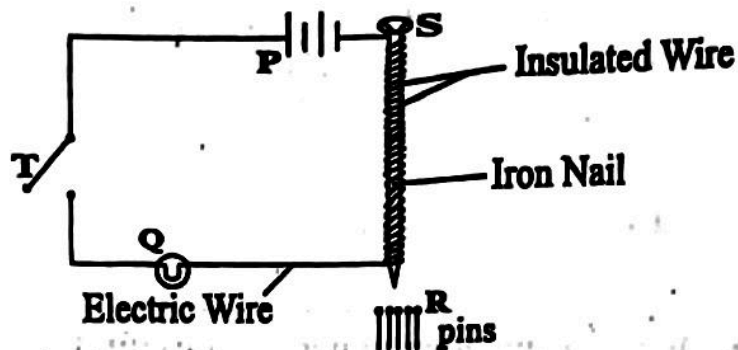
45. a) Give any one example of a primate.

b) What helps insectivore mammals to trap insects they feed on?

c) Why are gnawing mammals regarded to be nocturnal?

d) Cite the characteristic that qualifies egg laying animals to be grouped under nainma

Given below is a diagram on magnetism. Use it to answer the following questions.



46.a) State the method used for making a magnet above.

b) Name part marked P.

c) What is the function of part marked Q?

d) Which type of magnet is produced above?

47.a) What is sanitation?

b) Mention one example of a health club that can help improve sanitation at school.

c) State two activities you do at school that promote proper sanitation.

(i) .....

(ii) .....

48.a) How are muscles useful to man?

b) Give one protective nature of skeletal system.

c) Why are suture bones said to be immovable bones?

d) Where your best friend's bones are red blood cells made?



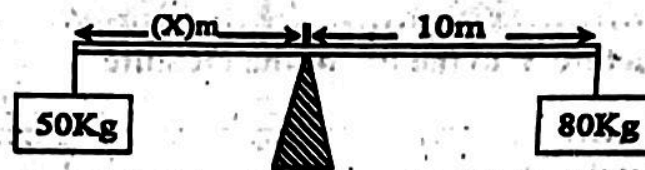
49. a) What is apiculture?

b) State the importance of a smoker to a bee harvester.

c) Of what value is a queen excluder in a modern bee-hive?

d) Mention one use of honey to people.

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



50. a) With the help of an arrow, use letter F to show the position of the pivot.

b) Work out the value of X.

(2marks)

c) State a law of principal of moments force.

51. a) What enables an aeroplane to overcome viscosity in the atmosphere?

b) State two advantages of friction to people.

(i) .....

(ii) .....

c) In which way can friction be a nuisance to a taxi driver?

52. a) What is biomass?

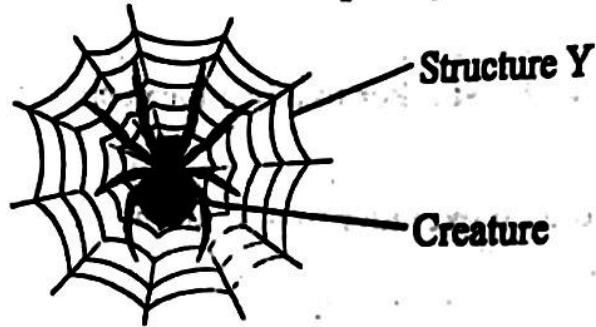
b) In which way can energy from biomass be environmentally friendly?

c) Name the type of bacteria that acts on biomass to cause decomposition or fermentation

d) In which way are the wastes got from biomass of importance to a crop farmer?



Study the diagram below and answer the questions that follow accordingly.



53. a) Name the creature shown above.

b) What name is given to structure Y?

c) Of what value is structure Y to the life of the creature

d) Give one reason why the above creature is not regarded as a true insect.

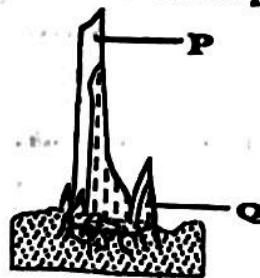
54. a) Write down one area where a wall thermometer can be used.

b) Mention the part of a Six's thermometer that measures the highest temperature.

c) Why do cold countries (cold deserts) prefer using alcohol to mercury?

d) Give one reason why alcohol cannot be used to measure very low temperatures.

The diagram below shows part of a banana plant soon after being planted.



55. a) Name the part marked Q.

b) How do the banana plants multiply?

c) Why is the banana plant cut as seen at P before planting?

d) Identify any one banana pest.