

MID-TERM I EXAMINATION 2019
PRIMARY SIX
INTEGRATED SCIENCE

Time allowed: 2 hours 15 minutes

Name: _____

School: _____

Read the following instructions carefully:

1. The paper has **two** sections: **A** and **B**
2. Section **A** has 40 questions (40 marks)
3. Section **B** has 15 questions (60 marks)
4. Answer **ALL** questions. All answers to both Sections **A** and **B** must be written in the spaces provided.
5. All answers must be written using a blue or black ball point pen or ink. Diagrams should be drawn in pencil.
6. Unnecessary crossing of work may lead to loss of marks.
7. Any handwriting that cannot be easily read may lead to loss of marks.
8. Do **not** fill anything in the boxes indicated;

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| Qn. No | MARK | SIGN |
|----------------|-------------|-------------|
| 1 – 10 | | |
| 11 – 20 | | |
| 21 – 30 | | |
| 31 – 40 | | |
| 41 – 43 | | |
| 44 – 46 | | |
| 47 – 49 | | |
| 50 – 52 | | |
| 53 – 55 | | |
| TOTAL | | |

Turn over

SECTION A

1. Give any one example of warm blooded vertebrates.

2. Name the plant response where plants grow towards light energy.

3. Where in man does digestion of starch take place?

4. How do earthworms improve on soil fertility?

5. In which state of matter does heat travel fastest?

6. What is dew?

7. Give one reason why we are advised to sleep under mosquito nets.

8. Name the gas which animals need to stay alive.

9. To which class of vertebrates does a chameleon belong?

10. How does overstocking lead to soil erosion?

11. If a person lacks iodine in his or her body, what disease are they likely to suffer from?

12. Name the fungi that is commonly used in the process of fermentation.

13. State the function of the kidney.

14. Why are babies grouped under vulnerables?

15. In the space provided below, draw the diagram of a stamen.



16. Why do plants shed off their leaves during the dry season?

17. Mention any one example of intestinal worms.

18. Apart from hearing, give one function of the mammalian ear.

19. Mention one non-living agent of pollination.

20. Which element of PHC promotes cleanliness of our teeth?

21. What type of food do sunbirds feed on?

22. State the type of change that takes place when a baby grows to an adult.

23. Name the type of soil with large soil particles.

Use the diagram below to answer question 24.

24. To which type of mosquito does the above larva belong?

25. Name any one process through which soil is formed.

26. State any one danger of bush burning to soil.

27. Mention any one artificial source of sound.

28. Name the sense organ that is affected by trachoma.

29. How is breathing in a tadpole different from that of a frog?

30. Mention one disease spread by water snails.

31. How do bees protect themselves from their enemies?

32. Which food value does one get from eating beans?

The diagram below shows the head of a bird. Study it and answer question 33.

33. What type of food does the bird above feed on?

34. What type of farming should a farmer use in order to harvest both crops and wood?

35. State the main reason why farmers debeak poultry.

36. How does a mushroom reproduce?

37. Draw a leaf showing network venation.

38. State the difference between volume of sound and pitch of sound.

39. Why is it dangerous to clean our ears using sharp objects?

40. State any one condition in which a mother can be stopped from breast feeding her baby.

SECTION B

(Questions in this section carry 4 marks each)

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

| A | B |
|-----------|----------|
| Tilapia | Rat |
| Frog | Goat |
| Crocodile | Lion |
| Dove | Whale |

a) What is the similarity in the way animals in list A reproduce?

b) To which class of animals do those in list B belong?

c) In which way is tilapia in list A similar to whale in list B?

d) Give one common characteristic among animals in list B.

42a) Write PHC in full.

b) Identify the element of PHC in which each of the following activities is involved.

i) Sweeping the compound

ii) Cutting fingernails

c) Write one principle of PHC.

43a) How does breast feeding boost the immunity of a baby?

b) Why is Polio and tuberculosis immunized at birth?

c) Mention any two types of vaccines.

i)

ii)

44a) What is dehydration?

b) Give any one sign of dehydration in a child.

c) Why is sugar added during preparation of ORS?

d) Why should dehydrated persons be given ORS?

45. Study the diagram of a musical instrument below and use it to answer questions that follow.

a) To which group of instruments does the one above belong?

b) Name the musical instrument shown above.

c) How does the above instrument produce sound?

d) What would you do to lower the pitch of sound from the above instrument?

46a) Match classes of food in list A to the deficiency disease in B correctly.

| A | B |
|---------------|-------------|
| Proteins | Scurvy |
| Vitamin A | Marasmus |
| Carbohydrates | Beriberi |
| Vitamin C | Kwarshiokor |

47a) Name the change of state which takes place when;

i) vapour turns into liquid

ii) a solid turns directly into gas

b) State two ways heat affects metals.

i)

ii)

48a) State one way in which vectors spread diseases to humans.

b) Give any two ways of preventing vectors from spreading diseases to humans.

i)

ii)

c) What is the economic importance of mosquitoes to people?

49. The diagram below shows parts of an onion. Use it to answer questions that follow.

a) Name the parts marked A and B.

i) A _____

ii) B _____

b) State the function of part D on the plant.

c) Mention the type of roots marked C.

50a) How do bacteria reproduce?

b) State any two uses of bacteria to man.

i) _____

ii) _____

c) Mention one disease caused by bacteria.

51. The diagram below shows part of a human body system. Study it and answer questions that follow.

a) Name the parts marked C and D.

i) C _____

ii) D _____

b) State the function of organ marked C.

c) Name any one substance produced by organ marked A.

52a) What is swarming as known in bee keeping?

b) Mention any two conditions which lead to swarming.

i) _____

ii) _____

c) State the importance of bee farming in a community.

53a) State the difference between a frog and a toad.

b) To which group of vertebrates do frogs belong?

c) Name the animals which lay the eggs shown below.

i) _____ ii) _____

54a) Why do most farmers keep Merino sheep?

b) Mention any one example of sheep purposely kept for mutton production.

c) Name any two farm practices carried out by sheep keepers.

i)

ii)

55a) Write two sets of teeth which grow in human beings.

i)

ii)

b) Identify the tooth shown below.



c) How is the tooth shown in 55b) above adapted to its function?

Good luck

