

MID TERM I EXAMINATION - 2019

PRIMARY SEVEN

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;
For Examiner's use only.

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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 a primate?

2. What type of skeleton does a snail have?

3. Why are people advised to eat foods rich in calcium?

4. Where in the digestive system of man are proteins digested?

5. Name the longest and strongest bone in the body of man?

6. Mention any part of the human body where a hinge joint is found?

7. Why are the muscles of the alimentary canal regarded as involuntary muscles?

8. Mention the cause of Polio.

9. Which type of energy do books placed on a table possess?

10. Give any one way in which animals are important during the process of Photosynthesis?

The diagram below is of a blood vessel. Use it to answer questions 11 and 12.

11. Name the blood vessel shown in the diagram above.

12. Give one reason why the blood vessel named above has thick walls?

13. Which part of the human body does trachoma attack?

14. Give one reason why people need Vitamins in their bodies.

15. Why does a feather float when put in a basin full of water?

16. Give any one problem that comes with bad sitting posture?

17. Give any one disadvantage of keeping poultry on a free-range system.

18. Mention the worms that can enter into our bodies when we eat half- cooked meat.

19. Give any one way in which the breathing of a grasshopper is different from that of a fish?

20. State one reason why a seed can fail to germinate.

The diagram below shows a leaf. Study it and answer questions 21 and 22.

21. Name the part marked with letter P?

22. State the function of part marked with letter S.

23. What is the importance of giving First Aid to a person whose finger has been cut by a sharp object?
-
-
24. Which Vaccine is given to a child in the mouth soon after birth?
-
25. Mention any one activity of man that is likely to decrease the amount of rainfall.
-
-
26. What is a chemical change?
-
-
27. Give any one function of a human skeleton.
-
-
28. State any one way in which health parades are important in primary schools.
-
-
29. Identify one way through which a newly born baby can get tetanus.
-
-
30. What is an atom?
-
-
31. Give any one example of static electricity in nature.
-
32. Mention one reason why wet wood is not used as an insulator?
-
33. How does heat from the sun reach the ground?
-

Study the diagram below and answer questions 34 and 35.

34. Calculate the voltage in the circuit above.

35. Give one reason why the bulb above does not produce light?

36. Mention one health problem that can arise in an area that is over crowded with people.

37. Give reason why an HIV infected person becomes more vulnerable to diseases?

The diagram below shows a bar magnet. Use it to answer question 38.

38. Why do you think the pole marked T is a North pole?

39. Name the structures used by a caterpillar to protect itself

Use the diagram below to answer question 40.

40. How is the garden too above useful to a farmer?

SECTION B

41. The diagram below shows a human joint. Use it to answer the questions that follow.

(a) Name the parts marked with letters Y and Z.

(i) Y _____

(ii) Z _____

(b) Give any one function of the fluid found in the place marked with letter X.

(c) What type of joint is shown in the diagram above?

42. (a) Give one reason why a magnet cannot attract pieces of wood?

(b) Give any three practices that can lead to destruction of a magnet.

(i) _____

(ii) _____

(iii) _____

43. (a) How does a guitar produce sound when its string are plucked?

(b) How can the pitch of a guitar be changed?.

(c) Name one way of storing sound.

(d) Give a reason why sound cannot travel through a vacuum?

44. (a) State the function of each structure below in a human skeleton.
- (i) ligament _____
- (ii) Tendon _____
- (b) Give one example muscles which work in pairs.
- _____
- (c) Mention the part of the human body where the muscles given above are found.
- _____

Study the diagram of an electric bell below and use it to answer question 45.

- 45.
- (a) Name the parts marked **A** and **C**.
- (i) **A** _____
- (ii) **C** _____
- (b) What will happen to **E** when **B** is closed?
- _____
- (c) How useful is part **D** on the electric bell?
- _____
- _____

46. Match the diseases in list A with the signs and symptoms in list B.

A

Polio
Measles
Tetanus
Diphtheria

B

swollen neck
stiffness of muscle
paralyzed tissue
Skin rash

- (a) Polio: _____

- (b) Measles: _____
- (c) Tetanus: _____
- (d) Diphtheria: _____

47. (a) Name any one organism that makes fresh meat go bad.

(b) State any three ways of preventing fresh meat from going bad.

(i) _____

(ii) _____

(iii) _____

48. The table below shows source of food, the food nutrient in it and the related deficiency disease.

	source of food	food Nutrient	Deficiency disease
i.	Fruits	Vitamin C	_____
ii.	Beans	_____	Kwashiorkor
iii.	_____	vitamin A	Night blindness
iv.	Iodized salt	Iodine	_____

49. (a) Name the type of cattle kept for milk production.

(b) Give one example of exotic breeds of cattle, which are the best for milk Production.

(c) Write down two activities a farmer should do in order to get clean milk from a cow.

(i) _____

(ii) _____

(a) What kind of organism is an amoeba?

(b) Name the structure indicated by letters O and P

(i) O _____

(ii) P _____

(c) How is the amoeba able to move from place to place?

51. (a) State the use of an electric bulb at home.

(b) Name the gas that is found in an electric bulb.

(c) Mention the part of a bulb which changes electric energy to heat and light energy.

(d) Why do electric bulbs blow?

52. Write any two sources of direct current and alternating current electricity.

(a) Direct current electricity.

(i) _____

(ii) _____

(b) Alternating current electricity

(i) _____

(ii) _____

53. **The diagram below shows an Irish Potato. Use it to answer questions that follow.**

(a) Name the part marked **W**?

(b) Apart from the Irish Potato, give another example of stem tubers.

(c) How is an Irish Potato propagated?

(d) Mention one disease that affects Irish Potatoes.

54. (a) What is a compound fracture?

(b) Apart from fractures, list down three disorders of the skeletal and muscular system.

(i) _____

(ii) _____

(iii) _____

55. (a) Name the male bee in a hive.

(b) What is the work of the bee named above in a hive?

(c) Give two materials that bees use to make honey.

(i)

(ii)

Good luck

