

MEVID EXAMINATIONS BOARD

PRIMARY LEAVING EXAMINATIONS - PRE MOCK

SET THREE, 2023
INTEGRATED SCIENCE
Time Allowed: 2 hours 15 minutes

Index No.

Random No.

Personal No.

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Candidate's Name:

Candidate's Signature:

District:

READ THE FOLLOWING INSTRUCTIONS CAREFULLY:

FOR EXAMINER'S USE ONLY

1. Do not write your **school** of **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.
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 will **not** be marked.
5. Unnecessary **changes** in your work and handwriting that cannot be easily read may lead to **loss of marks**.
6. Do not fill anything in the table indicated:
"for examiner's use only" and boxes inside the question paper.

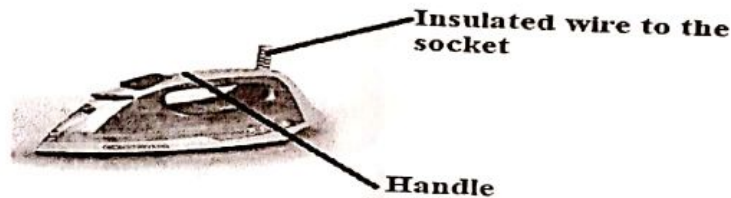
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SECTION A

1. Name the part of a bean seed which stores and provides food to the embryo.
.....
2. State the role of an ovipositor to a queen bee.
.....
3. Calculate the volume of a cuboid with dimensions 5cm by 2cm by 3cm
.....

4. Give any one way in which reflection is important in our daily life
.....
5. Why is it advisable to drink boiled water?
.....
6. Give any one way of conserving non renewable resources in the environment.
.....

The diagram below shows an item used to promote hygiene. Study and use it to answer questions 7 and 8



7. Name the item of promoting personal hygiene in the diagram above.
.....
8. How is the above item useful in promoting personal hygiene?
.....
9. Give one way of preventing teeth diseases.
.....
10. Name the gas that is excreted by lungs from the body.
.....
11. State the reason why pregnant mothers are immunised with T.T vaccine.
.....
12. Why do pine trees have needle-like leaves?
.....
13. State how food in the mouth is made easy for swallowing.
.....
14. Mention one function of liver in the human body.
.....

15. State how drug poisoning should be prevented at home.

16. Name the class of levers in which the effort is between load and pivot.

The diagram below demonstrates the mode of reproduction in bacteria. Study and use it to answer questions 17 and 18.



17. Name the mode of reproduction illustrated above.

18. Why are bacteria said to be microscopic?

19. State one way of improving soil fertility apart from crop rotation.

20. Give one way how diarrhoeal diseases can be controlled in our homes.

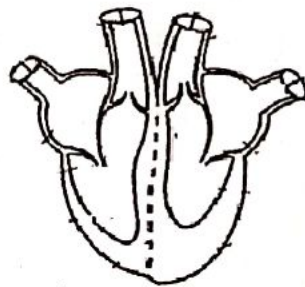
21. Name the vector that spreads elephantiasis.

22. How do lightning conductors protect tall buildings against damages by lightnings?

23. State one way how smoking can be prevented in the community.

24. State one way how the pitch of sound can be increased in wind musical instruments.

The diagram below is of the human heart. Study and use it to answer questions 25 and 26.



25. Use arrows to show the movement of blood in both sides of the heart.
.....
26. Name the types of blood found in the left side of the heart.
.....
27. Name any one example of a childhood immunizable diseases.
.....
28. How does sitting in the sun during morning time prevent rickets?
.....
29. Give the reason why the trachea is made of rings of cartilages.
.....
30. Write down one way how the products of petroleum can be conserved.
.....
31. Mention one place in the body where ball and socket joint can be found.
.....
32. Name any one example of biological change which takes place in plants.
.....
33. Mention one method of making alcohol in your community.
.....
34. Given the organisms below; Grass, kite, insect, Lizard. Put the above organisms in their order to make a correct food chain.
.....
35. How can the local breeds of pigs be improved?
.....
36. State one way how the mother and the baby are prevented from infection by germs at the time of giving birth.
.....
37. What is the use of anemometer at the weather station?
.....
38. State one way how germs are spread among people in the community.
.....
39. How is the government of Uganda trying to solve the problem of road accidents caused by roads which are in poor condition.
.....
40. Give one reason why farmers keep records on their farms.
.....

SECTION B

41. (a) What term is used to mean the arrangement of soil layers from top to bottom.
.....
- (b) Name the top most layer of soil.
.....

.....
(c) Write two non-living components of the soil.
.....

42.(a) Name the bacteria that cause the following diseases.

(i) Cholera.....

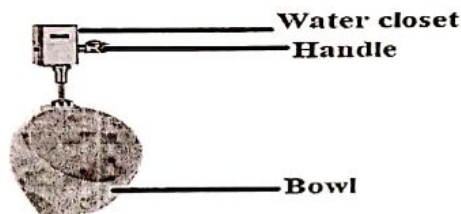
(ii) Typhoid.....

(b) Identify any two activities children can do at school to control the spread of germs.

(i).....

(ii).....

43. The diagram below is of a latrine. Study and use it to answer questions that follow.



(a) Name the type of latrine drawn in the diagram above.
.....

(b) What is the importance of water closet in such latrines?
.....

(c) Which type of tissue is recommended to clean yourself after using the latrine above.
.....

(d) State one advantage of using above latrines.
.....

44. (a) Name the force that causes wearing out of treads put on tyres of cars.
.....

(b) Apart from wearing out of materials, mention two other disadvantages of the above force.
.....

(c) Why is it difficult to write on an oiled paper?
.....

45. (a) Write the first aid for the following accidents.

(i) Choking

(ii) Poisoning.....

(b) Mention any two signs of poisoning.

(i).....

(ii).....

46. (a) Define the following terms applied in feeding cattle.

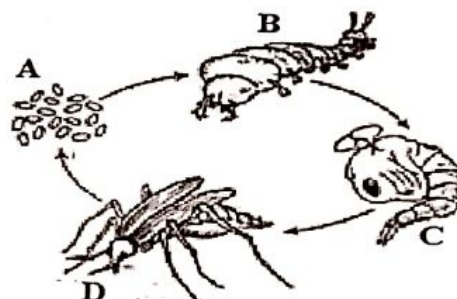
(i) Silage.....

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- (ii) Hey.....
 (b) State any one practice farmers carry out to increase milk production in cattle.

 (c) Write any one way of maintaining proper milk hygiene.

47. Below is the life cycle of the female anopheles mosquito. Study and use it to answer question that follow.



- (a) Name the stages marked with letters
 (i) B.....
 (ii) C.....
 (b) Name the disease that is spread by female anopheles mosquitoes.

 (C) Write any other one type of mosquito apart from anopheles mosquito.

48. (a) What name is given to the young ones of frogs?

(b) How do the young ones of frogs breathe?

(c) Why are frogs grouped under amphibians?

(d) State any one difference between frogs and toads.

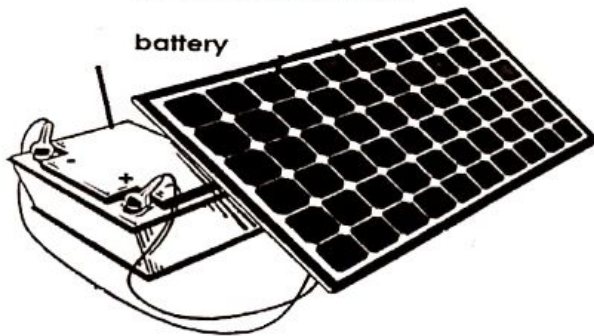
49. The table below shows ways of promoting personal hygiene in part A and their importance in part .

A. way of promoting personal hygiene	B. Importance
Washing hands	Kills germs
Cutting finger nails short	Removes bad smell of the body
Brushing teeth	Removes hiding places of germs
Bathing with soap	Removes germs.

Match correctly the ways of promoting personal hygiene with their importance in the space provided below.

- (i) Washing hands.....
 - (ii) Cutting finger nails short.....
 - (iii) Brushing teeth.....
 - (iv) Bathing with soap.....
50. (a) Write any two methods of purifying water for washing clothes.
- (i)
 - (ii)
- (b) Name any two examples of chemicals used in treating water.
- (i)
 - (ii)

51. The diagram below is of a device used to harvest sunshine. Study and use it to answer questions that follow.



- (a) Name the device drawn above in the diagram.
 - (b) How is the above device able to absorb heat and light from the sun?
 - (c) Name the kind of electricity stored in the battery above.
 - (d) How is the use of the above electricity friendly to the environment?
52. (a) Give two reasons why mercury is commonly used in thermometers.
- (i)
 - (ii)
- (b) Why are gaps left between railway lines during construction?
- (c) In which state of matter is steam ?
- 53(a) Name two characteristics of image formed in the human eye.
- (i)
 - (ii)
- (b) Mention any two diseases of the eyes.

- (i)
 (ii)
 54. (a) Name any two examples of stem tubers.
 (i)
 (ii)

- (b) State how the following plants are propagated
 (i) Carrots.....
 (ii) Sweet potatoes.....
 55. (a) Apart from giving special diet, give any other way you can care for an elderly person.

 (b) Mention two ways how you can increase milk production in lactating mothers.
 (i)
 (ii)
 (c) Name the mineral salt that is not found in the breast milk.

END