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INDIAN SCHOOL MUSCAT MIDDLE SECTION FINAL EXAMINATION 2017-18



SCIENCE

MXSC06/07

CLASS: VI

Time Allotted: 2 ½ Hrs.

04.03.2018

Max .Marks: 80

General Instructions:

1. The question paper comprises of **two Sections, A and B**. You have to attempt both the sections.
2. **All questions are compulsory.**
3. **All answers should be written in the answer sheet provided.**

SECTION A

1. Fill in the blanks.

- a. A is a dark outline of an opaque body that blocks light coming from a source. 1
- b. Light travels in a line. 1
- c. Deficiency of causes a disease known as rickets. 1
- d. The present under the body of the earthworm gives it a good grip to move 1
- e. A device used to break an electric circuit is called 1
- f. The process of removing seeds from cotton is called 1

2. Choose the correct answer.

- a. Which of the following is an example of translucent objects? 1
 i. a thin iron sheet ii. Cardboard iii. Butter paper iv. spectacle lens
- b. Carbohydrates can be tested by using 1
 i. iodine ii. Caustic soda iii. Copper sulphate iv. nitric acid
- c. Which one of the following is a synthetic fibre? 1
 i. Nylon ii. Cotton iii. Jute iv. Silk
- d. Butter is separated from milk by 1
 i. sedimentation ii. Filtration iii. Churning iv. None of these
- e. Which is an aquatic adaptation? 1
 i. streamlined body ii. Heavy bones iii. Hair on body iv. None of these
- f. What is the SI unit of length? 1
 i. Metre ii. Centimeter iii. Kilometer iv. Millimeter

3. State TRUE or FALSE.

- a. Image formed by a pinhole camera is inverted. 1
- b. Anaemia is caused due to the deficiency of calcium. 1
- c. A mixture of milk and water can be separated by filtration. 1
- d. Snakes have a long back bone. 1

- e. The bulb glows only when current flows through the circuit. 1
- f. The motion of hands of a clock is an example of rectilinear motion. 1

4. Give ONE word/term for the following.

- a. The objects which allow all light to pass through it. 1
- b. The nutrient that is needed for the growth and maintenance of our body. 1
- c. The fruits of a cotton plant. 1
- d. A solution that cannot dissolve more of the substance in it. 1
- e. The joint where our neck joins the head 1
- f. Substance which allows electricity to pass through it. 1
- g. A measuring device used to measure a piece of cloth 1

SECTION B

Questions 5 to 19 carry 1 mark each

- 5 State the principle behind the formation of shadows. 1
- 6 Write the type of joint which is used for the following movement. 1
- (i) A cricket bowler bowls the ball
- (ii) A person lifts weights to build up his biceps.
- 7 It is not good to wash vegetables and fruits after cutting, why? 1
- 8 Rohit fell off a tree and hurt his ankle. On examination the doctor confirmed that ankle was fractured. How was it detected? 1
- 9 What are natural fibres? 1
- 10 Write down the principle behind the separation of husk from grain by wind. 1
- 11 Why we shouldn't touch the electrical device with wet hand? 1
- 12 Name two hand operated devices used for spinning the cotton yarn. 1
- 13 Identify the two physical processes taking place 1

in the given method of separation



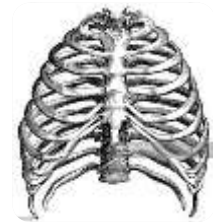
- 14 Mention the type of motion taking place in 1
- (i) Whirling a stone in your hand
- (ii) pendulum of a clock
- 15 You will shut your eyes automatically when you move from a dark place into bright sunlight. Identify the stimulus and response in this situation. 1
- 16 Differentiate knitting and weaving. 1
- 17 The height of a tree is 365cm. Express it in metres and millimeters 1
- 18 How is adaptation different from acclimatization? 1
- 19 Electric cell used in a torch need to be replaced with new one after using it for some months. Why? 1

Questions 20 to 29 carry 2 marks each

- 20 How will you prove that milk you drink contains proteins? 2
- 21 Write **two** characteristics of image formed by a pinhole camera. 2
- 22 (i) Mention any TWO features of a fish which makes it suitable to move in water. 2
(ii) Why do we need a pair of muscles to move a bone?
- 23 How can we get jute fibres from jute plant? 2
- 24 Write down the adaptive features of a deer to survive in grass land.(2 points) 2
- 25 Define periodic motion. Write any two examples. 2
- 26 (i) How do the desert snakes stay away from heat of desert during day time? 2
(ii) What are blowholes?

- 27 (i) What will happen if you join the two terminals of a cell without connecting them through a bulb or switch? 2
(ii) A fused bulb does not glow. Why?

- 28 (i) Identify the part of the skeletal system given in the picture. 2
How many bones are present in it?
(ii) Write the function of this part.



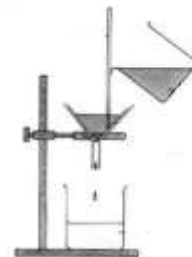
- 29 (i) Calculate the length of the pencil in the given picture. 2
(ii) Why can't we use our handspan to measure the length of the pencil?



Questions 30 to 34 carry 3 marks each

- 30 i) A child is having a swollen neck. What disease she is suffering from? How is it caused? 3
ii) Mention any one situation where cooking of food can cause loss of nutrients.
- 31 (i) You are provided with a mixture of salt, sand and water. Write the steps involved in the separation of these substances from the mixture. 3

- (ii) Identify the process of separation. What kind of substances can be separated using this method?



- (iii) How will you increase solubility of a salt in fixed amount of water?

32 (i) Identify the type of joints shown below. How do they differ in their movement? 3



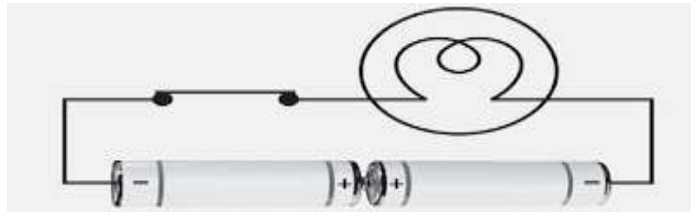
A



B

(ii) Name the part of the skeleton that forms ear lobe and the part of the skeleton which protects brain.

33. (i) Bulb in the circuit shown below does not glow. Identify the problem. 3



(ii) Make necessary changes in the circuit to make the bulb glow and show the direction of flow of electric current.

34 (i) Identify the types of motion of a ball rolling on ground. 3

(ii) Write down the similarity and difference between the motion of a bicycle and wheel of a sewing machine.

Questions 35 carries 5 marks

35 (i) Identify the natural habitat of the following organisms. 5

(ii) Write any Two adaptive features that help them to survive in their habitat.



A



B

(iii) Write the adaptive features that help the desert plants to overcome the water scarcity in their habitat?(2 points)
