

MODEL QUESTION PAPER

CLASS : 7.

SUBJECT: SCIENCE.

FM-80

SECTION A

Question numbers 1 - 20 are MCQ type questions and each carry 1 mark

1. During Inhalation, the diaphragm
 - (a)moves downwards
 - (b)moves upward
 - (c)moves towards left
 - (d)moves towards right
2. Vegetative propagation is a type of
 - (a) asexual reproduction
 - (b) sexual reproduction
 - (c) binary fission
 - (d) none of these
3. The ovaries of different flowers may contain
 - (a) only one ovule
 - (b) many ovules
 - (c) one to many ovules
 - (d) only two ovules
- 4.The fluid part of the blood is known as
 - (a) membrane
 - (b) plasma
 - (c) RBC
 - (d) WBC
5. The red pigment present in the RBC of the blood is
 - (a) haemoglobin
 - (b) WBC
 - (c) pulse
 - (d) none of these
6. In plants, water is transported through:
 - (a)xylem
 - (b)phloem
 - (c)stomata
 - (d)root hair
7. Organisms get energy through
 - (a) food
 - (b) eating
 - (c) sleeping
 - (d) none of these
- 8.Cellular respiration is carried out in the
 - (a) cells
 - (b) organs
 - (c) tissues
 - (d) muscles

9. Which of the following is not a forest product?
- (a) gum
 - (b) plywood
 - (c) sealing wax
 - (d) kerosene
10. In a bulb there is a thin wire called
- (a) filament
 - (b) coil
 - (c) element
 - (d) fuse wire
11. When the bulb gets fused, the electric current
- (a) flows in the circuit
 - (b) does not flow in the circuit
 - (c) sometimes flows and sometimes not
 - (d) none of these
12. A glowing bulb becomes warm due to the
- (a) heating effect of current
 - (b) magnetic effect of current
 - (c) chemical effect of current
 - (d) physical effect of current
13. The path of the light is
- (a) always a straight line
 - (b) a curved line
 - (c) a zig-zag line
 - (d) depends on the medium
14. White light is composed of
- (a) three colours
 - (b) seven colours
 - (c) five colours
 - (d) eight colours
15. A virtual image
- (a) can be formed on the screen
 - (b) cannot be formed on the screen
 - (c) is formed only by the plane mirror
 - (d) is formed only by the convex mirror
16. Which type of organism always occurs at the first step in every food chain?
- (a) heterotroph
 - (b) Autotroph
 - (c) saprotroph
 - (d) scavenger
17. Which of the following is not the name of a tree?
- (a) Teak
 - (b) Sal
 - (c) Porcupine
 - (d) Kachnar
18. Which kind of plants generally constitute understorey layer in the forest?
- (a) Grass
 - (b) Shrubs
 - (c) Tall trees
 - (d) Herbs
19. Which one of the following is a quality of wastewater?

- (a) Foul smell
- (b) Bad taste
- (c) Dirty look
- (d) All of these

20. Untreated human excreta is a:

- (a) waste water
- (b) health hazard
- (c) manure
- (d) None of these

SECTION - B

Very Short Answer type question.

(11*2=22)

1. Give the name of respiratory organs in following animals.
 - (a) Fish
 - (b) Human being
2. Our nostrils have hair and mucus. What is the need to have them in our nasal cavity?
3. What makes the blood look red?
4. What are the essential conditions for the formation of shadow?
5. Define reflection of light.
6. Write difference between shadow and image.
7. List five products we get from forests.
8. What are decomposers?
9. Is water fit for human consumption or not. Give reason to support your answer.
10. Sketch the reproductive parts of a flower.
11. Name any two effects of electric current.

SECTION - C

Short Answer type question.

(3*6=18)

1. Breathing rate of a person is not always constant. Give the reason for your answer.
2. Why is transport of materials necessary in a plant or an animal? Explain.
3. State the main difference between asexual and sexual reproduction.
4. State difference between a luminous and a non-luminous body. Give two examples for each.
5. What are decomposers? Name any two of them. What do they do in the forest?
6. Open drain is a big concern now-a-days. Justify.

SECTION - D

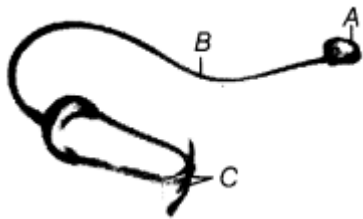
Long Answer type question.

(4*5=20)

1. Name the process and the organ which help in removing the following wastes from the body.
 - (a) Carbon dioxide
 - (b) Undigested food
 - (c) Urine
 - (d) Sweat

OR

Observe given figure and answer the given question.



a. Name the instrument.(b) Label the parts A, B and C.

2.Draw a diagram of the human excretory system and label the various parts.

3.Name any two effects of electric current and explain them with two devices which work on that effect.

OR

Explain the working of an electric bell using well labelled diagram.

4. The maximum speed of a train is 90 km/h. It takes 10 hours to cover a distance of 500 km. Find the ratio of its average speed to maximum speed?