



विद्या सर्वार्थ साधिका

ANANDALAYA
PERIODIC TEST – 1
Class : VI

Subject: Science
Date: 19/07/2019

M.M : 50
Time : 2 Hours

General Instructions:

1. Question paper consists of two sections A and B.
2. Section B consists of Multiple Choice Questions.
3. You have to attempt both the sections separately.

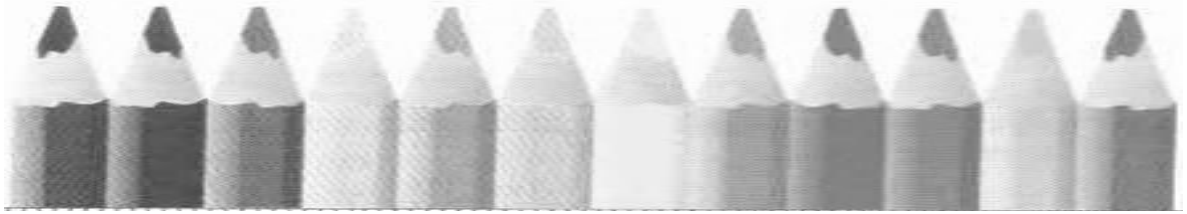
SECTION A

1. Identify the type of motion exhibited by a swinging pendulum. (1)
2. How is rolling of roti from dough different from baking of roti? (1)
3. Correct the definitions of certain terms given below by changing only one word. (1)
(a) Compost: substances converted into manure for use in industries.
(b) Recycling: reuse of unused material in the same or another form.
4. What is translatory motion? Write its types. (2)
5. Give reason: (2)
(a) Rain maintains the supply of water on the land
(b) Wet clothes placed on a clothes line dry after sometime.
6. (a) Which one would you prefer: compost pits or landfills for small amount of wastes? Give reason (2)
for your answer.
(b) Segregate the following wastes and put them in the green or the blue bin.



7. (a) The distance between two bus stops is 3540 m. Express this distance in km and cm. (3)
(b) When is an object said to be in motion? Explain with an example.
8. (a) “An object in rotational motion need not have periodic motion”. Justify the statement by giving (3)
an example.
(b) Arun’s school admits children who live within 5 km from the school. His cousin Rohit, who lives
2000 m from the school, wants to go to the same school. Will he get admission in the school?
Why do you think so?
9. (a) How do trees help to control floods and droughts? (3)
(b) How do the areas covered with concrete affect the availability of ground water?
10. Sampat’s little brother broke a statue, made of Plaster of Paris. Sampat tried to reconstruct by (3)
making a powder of the broken pieces and then making a paste by mixing water. Will he be
successful in his effort? Justify your answer.
11. How do we get valuable resources from waste? Explain with two examples. (3)

12. Recently, a ban on plastic bags has been imposed in many places. Is the ban justified? Give three reasons to support your answer. (3)
13. (a) Distance cannot be measured using a measuring tape made up of elastic material. What problems do you face if you use such tapes? (5)
- (b) Twelve pencils, each of the same thickness, are placed side by side. The total length when measured was 12 cm. Calculate the thickness of each pencil and give your answer in millimeters.



- (c) Mridul is conducting an experiment on measurement of length of ten tables with Louisa and Venkatesh in a laboratory. Which type of measuring unit they should use so that all the three get the same answer. Why?
14. (a) Explain the terms: (i) Infiltration (ii) Surface water (5)
- (b) What does the rate of evaporation depend on?
- (c) What is rainwater harvesting? Why is it important?
15. (a) Why is groundnut peels called biodegradable but polythene bag is not? (5)
- (b) In what ways can you handle these kinds of waste?
- (i) Old newspaper, (ii) a woollen sweater, (iii) an old utensil, (iv) a broken thermometer

SECTION B

16. While measuring the length of a paper clip on a scale, the reading at one end is 1.0 cm and at the other is 4.3 cm. The total length of the paper clip is _____. (1)
- (a) 5.3 cm (b) 3.3 cm (c) 4.3 cm (d) 1.0 cm
17. What are the two main kinds of motion seen in a helicopter flying straight? (1)
- (a) Vibratory and rotational (b) Rotational and translatory
- (c) Random and vibratory (d) Circular and curvilinear
18. Jay is travelling in a bus on the highway. He observes things around him. Which of the following appears to be stationary? (1)
- (a) The trees along the road (b) The milestones along the way
- (c) Birds sitting on electricity wire (d) The passengers sitting beside him
19. It is a structure built on a river to store and hold back water. (1)
- (a) Check dam (b) Bridge (c) Fly over (d) harbour
20. Which of these is an irreversible change? (1)
- (a) Melting of wax (b) Freezing of water (c) Boiling of water (d) Burning of paper
21. The kind of garbage not converted into compost by red worms is _____. (1)
- (a) Fruit waste (b) Vegetable waste (c) Plastic (d) Kitchen waste
22. A landfill area is suitable for constructing _____. (1)
- (a) Office complex (b) Playground and park (c) Residential complex (d) Community centre
23. Which activities do not reflect responsible behaviour with regard to waste disposal? (1)
- (a) Goods carried in paper bags or cloth bags
- (b) Waste separated into those that degrade and those that do not
- (c) Making handicrafts with used up notebooks
- (d) Waste collected in polythene bags for disposal