



**ANANDALAYA**  
**PERIODIC TEST -1**  
**Class : VIII**

Subject: Science  
Date : 14-07-2023

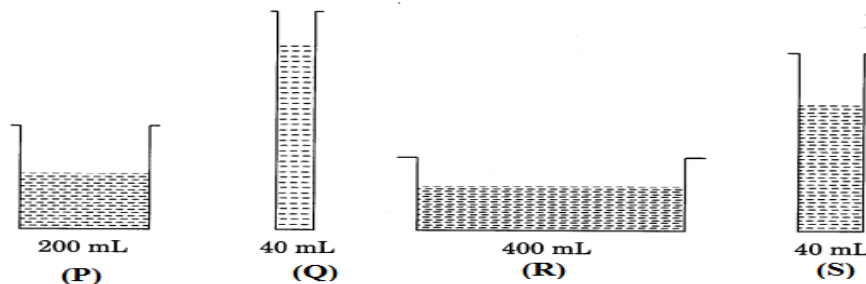
MM : 30  
Time: 1 Hr. 30 min.

**General Instructions:**

- (1) All questions are compulsory. There are 17 questions in this question paper.
- (2) Q. No. 1 to 10 are objective type questions and carry 1 mark each.
- (3) Q. No. 11 to 13 are short answer type questions and carry 2 marks each.
- (4) Q. No. 14 to 16 are also short answer type questions and carry 3 marks each.
- (5) Q. No. 17 is a long answer question and carries 5 marks.

1. A boy is playing with two magnets. He noticed that two magnets were repelling each other. (1)  
What type of force is this?  
(A) frictional force (B) muscular force (C) contact force (D) non-contact force

2. Observe the figure very carefully. (1)



Volume of water in each vessel is shown above. Arrange them in order of decreasing pressure at the base of each vessel.

- (A)  $S > Q > P > R$  (B)  $Q > S > P > R$  (C)  $P > S > Q > R$  (D)  $Q > S > R > P$
3. Force changes the \_\_\_\_\_. (1)  
(A) speed of the body (B) direction of motion of the body  
(C) shape of body (D) all of the above
4. Exhaustible natural resources are \_\_\_\_\_. (1)  
(A) unlimited in quantity. (B) not dependent on nature.  
(C) limited in quantity. (D) not exhausted by human activities.
5. Which petroleum product is used for metalling the roads? (1)  
(A) Coal tar (B) Coke (C) Bitumen (D) both (a) and (c)
6. Select the bacteria that fixes atmospheric Nitrogen into compound form. (1)  
(A) Rhizobium (B) Lactobacillus (C) Methanogen (D) Penicillium

Q.7 and Q.8 are assertion and reasoning type questions. Select the appropriate option from the below.

(A) Both Assertion and Reason are true and Reason is the correct explanation of Assertion.

(B) Both Assertion and Reason are true but Reason is NOT the correct explanation of Assertion.

(C) Assertion is true but Reason is false

(D) Assertion is false and Reason is also false.

7. Assertion: Concrete slabs are placed below the railway track to reduce pressure. (1)  
Reason: Greater the area of contact lesser the pressure.
8. Assertion: Coal, petroleum and natural gas can be prepared in the laboratory from dead organisms. (1)  
Reason: Their formation is a very fast process and conditions for their formation can be created in the laboratory.
9. What is pressure? Give its SI units. (1)
10. Name the petroleum product used as fuel for (1)  
(a) stoves and lamps and (b) making of candles.
11. (a) What can a force do? Give two points. (2)  
(b) Categorize the following forces into contact and non-contact force:  
Muscular force, gravitational force, friction, magnetic force
12. Explain how soil is affected by the continuous plantation of crops in a field. (2)
13. What are weeds? What is the need to control them? (2)
14. (a) Write the characteristics and uses of coke. (3)  
(b) The diagram shown here represents the fractional distillation of petroleum. Observe the diagram and answer the following question.  
  
Which one is the lightest and which one is the heaviest liquid constituent?
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15. Write an activity to show that the pressure increases with depth in a liquid. Draw the necessary diagram. (3)
16. (a) Which one of the following is a better fuel for transportation CNG or Petrol? Why? (3)  
(b) Define: Carbonization
17. (a) Define the term Animal Husbandry. (5)  
(b) Name any three food products that we get through this and write its specific source.  
(c) What is the significance of cattle rearing?