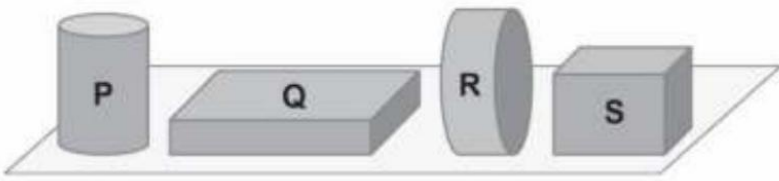




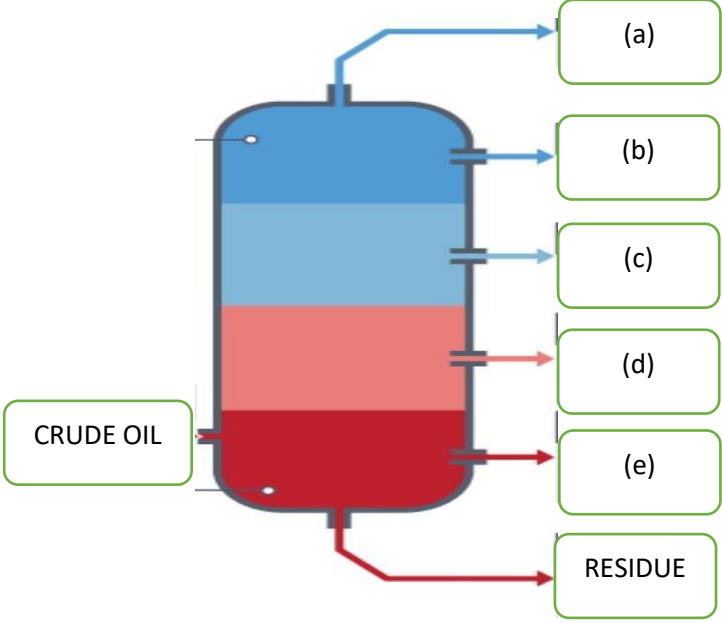
Date: 27/10/22 GRADE: VIII	MONTHLY TEST - 03 (2022-23) SCIENCE	Max marks: 40 Time: 2 Hours
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General Instructions:

1. There are 27 questions in the question paper. All questions are compulsory.
2. From question number 1-16, no need to copy the question. The correct word/phrase is needed.
3. In question number 27 (match the columns) redraw the columns and arrange column B in matching order to column A.

Qn. No		Marks
I	Choose the correct option	(10×1=10)
1	Which of the following is an example for a contact force? (A) a guava falling from the tree (B) a magnet attracting a hanging iron nail (C) a plastic comb attracting small pieces of hair (D) a man pulling the trolley over the floor	1
2	The SI unit of pressure is _____ (A) pascal (B) newton (C) kilogram (D) meter	1
3	Which of the following is true of liquid pressure? (A) it increases with depth (B) it decreases with depth (C) it is exerted only upwards (D) it is exerted only downwards	1
4	P, Q, R and S are four solid objects having the same mass. Which object is exerting the least pressure on the table?  (A) P (B) Q (C) R (D) S	1
5	Friction can be increased by _____ (A) making the surface rough (B) lubricating (C) using ball bearings (D) using streamlined shapes	1

6	In which of the cases is friction is a disadvantage? (A) applying brakes (B) walking (C) writing (D) running of a machine	1
7	Manu was walking over a floor and he slipped. What change would suggest to make the floor safe for walking? (A) pour oil over it (B) pour soup water over it (C) strew sand and gravel (D) polish the floor	1
8	Which of these is not a natural resource? (A) coal (B) electricity (C) sunlight (D) water	1
9	Mining is going on at one of the mines. Which of the following is not likely to be found there? (A) petroleum (B) coal (C) hydrogen (D) natural gas	1
10	Which of these conditions is required for the formation of natural gas? (A) low pressure (B) presence of air (C) presence of water (D) high temperature	1
II	Fill in the blanks with suitable words	(6×1=6)
11	A _____ is a substance that can be burned to obtain energy.	1
12	Natural gas consists mainly of _____.	1
13	Rolling friction is _____ than sliding friction.	1
14	Lubricants _____ the friction between the rubbing surfaces.	1
15	When you hit a ball with a bat, you exert _____ force.	1
16	If force is increased, pressure _____.	1
III	State whether TRUE or FALSE. If false, rewrite the sentence correctly.	(4×1=4)
17	Force of friction does not depend on the shape of objects.	1
18	Atmospheric pressure at a hill top is less than at a beach town.	1
19	Energy is wasted in overcoming friction.	1
20	Topsoil is considered as a renewable resource.	1

IV	Short answer questions	(3×2=6)
21	What is atmospheric pressure? How much is the atmospheric pressure at mean sea level?	2
22	What is meant by force? Give two examples of forces.	2
23	(a) Differentiate between static and sliding friction. (b) How can you show that friction depends upon the nature of the surface on which the object is moving?	2
V	Long answer questions	(3×3=9)
24	A box of mass 10 Kg has a base area 1 m ² . Calculate the pressure exerted by it on the ground.	3
25	Discuss whether friction is friend or foe to mankind. List out three ways of reducing friction.	3
26	Why is it important to conserve fuels? List out three ways to conserve fuels.	3
VI	List the products of fractional distillation of petroleum	(1×5=5)
27	<p>(i)</p>  <p>(ii) List out the uses of these petroleum products</p>	5
THE END		

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