



Class 8 (Syllabus)

There will be 45 multiple choice questions from the below mentioned syllabus.
The time duration will be 1 hour.

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| 1. Synthetic Fibres and Plastics | 2. Materials: Metals and Non Metals |
| 3. Coal and petroleum | 4. Combustion and flame |
| 5. Force and pressure | 6. Friction |
| 7. Sound | 8. Crop Production and management |
| 9. Microorganisms | 10. Conservation of plants and animals |

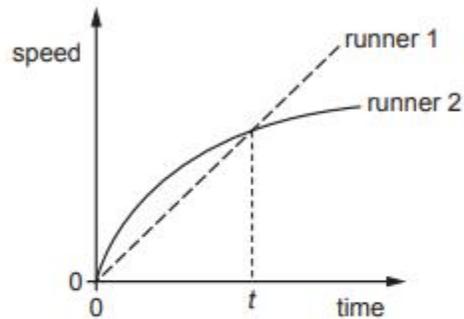
Sample Paper

1.	The monomer units of PAN is (A) Acrylonitrile (B) Styrene (C) Vinyl chloride (D) Tetrafluoroethene
2.	Non-metals are: (A) generally liquids (B) generally gases (C) generally solids and gases (D) generally gases and liquids
3.	Which of the following statements are true? I. Yellow flames are ideal for heating. II. The substances which vaporize during burning give flames. III. Luminous zone contains unburnt carbon particles. IV. The non-luminous zone has the highest temperature. (A) I, II and III (B) I, II and IV (C) II, III and IV (D) I, III and IV

4.

Two runners take part in a race.

The graph shows how the speed of each runner changes with time.

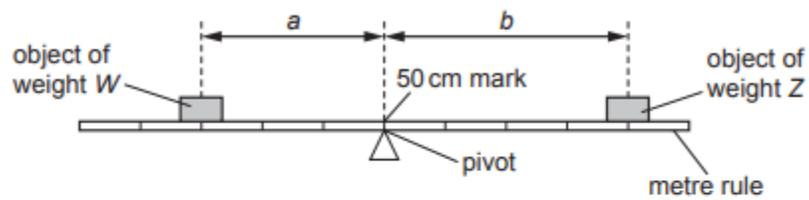


What does the graph show about the runners at time t ?

- A Both runners are moving at the same speed.
- B Runner 1 has zero acceleration.
- C Runner 1 is overtaking runner 2.
- D Runner 2 is slowing down.

5.

The diagram shows an object of weight W and an object of weight Z balanced on a uniform metre rule.



Which equation relating to W , Z , a and b is correct?

- A $\frac{W}{a} = \frac{Z}{b}$
- B $W \times Z = a \times b$
- C $W \times a = Z \times b$
- D $W \times (a + b) = Z$

6

An object has a mass of 50 kg.

The gravitational field strength on Earth is 10.0 N/kg.

The gravitational field strength on a distant planet is 4.0 N/kg.

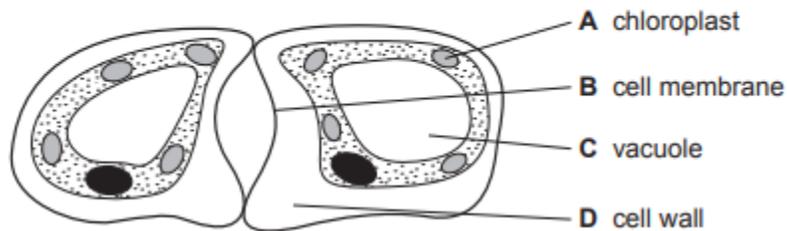
What is the weight of the object on Earth, and what is its weight on the distant planet?

	on Earth	on the distant planet
A	5.0 kg	12.5 kg
B	5.0 N	12.5 N
C	500 kg	200 kg
D	500 N	200 N

7

The diagram shows a student's drawing of two guard cells.

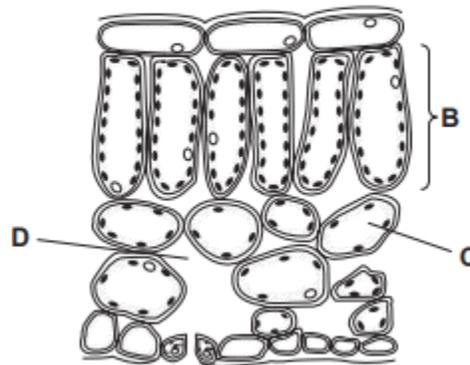
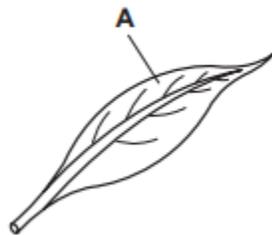
Which label line is **not** correct?



8

The diagrams show a leaf and a section through part of the same leaf.

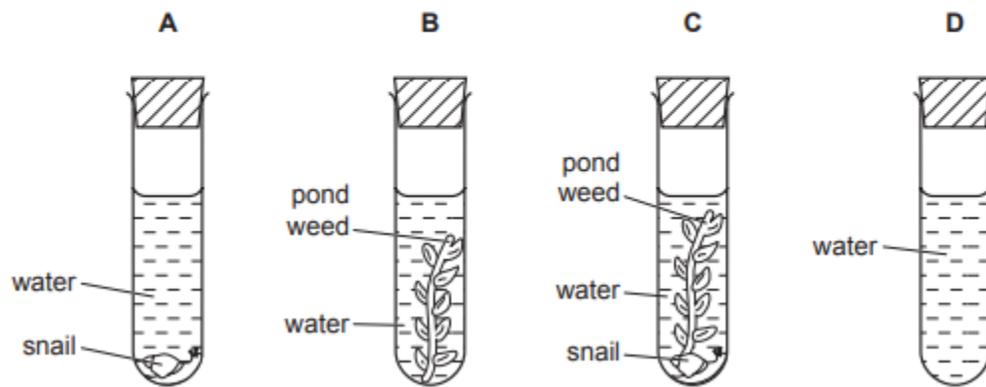
Which label on the diagrams indicates an organ?



9

Four test-tubes are set up as shown in the diagram and left in full sunlight.

After several hours, which test-tube contains the most dissolved oxygen?



10

Making anti-viral drugs is more difficult than making anti-bacterial medicines because

- (a) viruses make use of host machinery
- (b) viruses are on the border line of living and non-living
- (c) viruses have very few biochemical mechanisms of their own
- (d) viruses have a protein coat