

CLASS:
IX

INDIAN SCHOOL MUSCAT
SECOND PERIODIC TEST
SET - C

SUBJECT:
SCIENCE

QP.NO.

VALUE POINTS

SPLIT UP MARKS

PHYSICS

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|----|---|----------------------------------|
| 1. | Volume of the object immersed in a liquid. Density of the liquid. | 1/2 + 1/2 |
| 2. | The resistance offered by air to the sheet of paper is more than the resistance offered by air to the paper ball because the paper sheet has larger area on comparing with crumpled one. | 1+1 |
| 3. | Thrust acting per unit area is called pressure. Large area of steel belt reduces the pressure exerted by the tank on the ground and this prevents the tank from sinking into the ground. | 1+1 |
| 4. | $h = ut + \frac{1}{2}gt^2$ $4.9 = 0 \times t + \frac{1}{2} \times 9.8t^2$ $t^2 = 1$ $t = 1 \text{ second}$ | $\frac{1}{2} + \frac{1}{2}$ 1 |

CHEMISTRY

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|----|---|---|
| 5. | (a)bromine (b)any nonmetal in gaseous form like oxygen, hydrogen, nitrogen, etc. | $\frac{1}{2} + \frac{1}{2}$ |
| 6. | (a)silver (b)(i) air(mixture) (iii) diamond(element) (ii)lead (element) (iv)calcium carbonate(compound) | $\frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2}$ |
| 7. | No, it is not possible because water and alcohol form a miscible liquid mixture. The separation can be done with the help of fractional distillation since the difference in boiling between two is less than 25K.Alcohol(ethanol) with lesser bp(351K) distills first leaving behind water(373K) in the distillation flask ,that distills second. | $\frac{1}{2} + \frac{1}{2}$ 1 |
| 8. | (a)physical change (b) chemical change (c) physical change (d) chemical change | $\frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2}$ |

BIOLOGY

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|-----|--|---------------------------|
| 9. | Species, R.H Whittaker | (1/2=1/2=1 mark) |
| 10. | Blue green algae or cyanobacteria, Lichen | (1/2+1/2=1 mark) |
| 11. | Unicellular, Eukaryotic, Cilia or Flagella for movement, autotrophic or heterotrophic, e.g., diatoms, protozoans (any three characters) | (1/2+1/2+1/2+1/2=2 marks) |
| 12. | Organisms of ancient body design are primitive, while those having relatively recent body design are advanced. During evolution the complexity in body design increases. | (1/2+1/2+1=2 marks) |