

Pre Mid Term – 2
Class – IX
Subject – Science

Time : 40 Min.

M. M. : 20

Physics

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|---|---|---|
| 1 | Draw a velocity time graph of object moving with constant velocity . | 1 |
| 2 | What remain constant in uniform circular motion. | 1 |
| 3 | Derive third equation of motion | 2 |
| 4 | A car is moving on a straight road with constant acceleration .The initial velocity of car is 4ms^{-1} and after 10 second, its velocity become 16ms^{-1} Find acceleration of car. . | |

Chemistry

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|----|--|---|
| 5. | Define Tyndall effect. | 1 |
| 6. | Smoke and Fog both are aerosol. In what way they differ from each other? | 1 |
| 7. | State the principle used in Centrifugation technique. | 1 |
| 8. | Name the separation technique used to separate the following mixture:- | 2 |
| | a. Kerosene oil and water | |
| | b. Two or more coloured substances soluble in same solvent | |
| | c. Two volatile component with appropriate difference in their boiling point. | |
| | d. Black dye from the given dye solution. | |
| 9. | Calculate the mass of sucrose and mass of water required to make 450 gm of 50% solution. | 2 |

Biology

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|---------|---|-----|
| 10. (a) | Name the tissue which joins one bone to another bone. | 1/2 |
| | (b) Which deposit fat in body? | 1/2 |
| 11. | Write two points of difference between xylem and phloem. | 2 |
| 12. | What is the function of platelets in blood? Name the disease caused due to lack of platelets. | 1 |
| 13. | Define cartilage, and write its location in body. | 1 |
| 14. | Write two points of difference between parenchyma and sclerenchyma. | 2 |