



PHYSICS

BOOKS - BINA LIBRARY PHYSICS (ASSAMESE ENGLISH)

LAWS OF MOTION

Exercise

1. Define inertia. What is the factor on which it depends?



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2. Which physical quantity determines the inertia of rest / motion?



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3. Ripe fruits fall down when the tree is shaken. Why?



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4. State the law of inertia as given by Newton.



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5. What is the significance of Newton's second law of motion ?



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6. What is impulse ? Is it a vector quantity ?



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7. What is momentum ? What is its unit ?



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8. Which physical quantity has the same units and dimensions as impulse ?



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9. Mention three consequences of Newton's third law of motion.



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10. Do action and reaction act on the same body?



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11. Why are shockers used in automobiles?



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12. Define co-efficient of friction. On what factors does it depend?



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13. Can we increase or decrease friction?



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14. What is limiting friction?



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15. Distibguish between centripetal and centrifugal forces.



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16. Why does a particle moving with uniform speed along a curve have an acceleration?



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17. Why does a cyclist bend inwards while negotiating a curve ?



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18. What is angle of banking?



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19. Can there be a circular motion without acceleration?



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20. Why is centrifugal force called a Pseudo force?



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