



Name

Roll No

1- ہر سوال کے سامنے چار دائرے دئے گئے ہیں، صرف صحیح جواب والا دائرہ بھریں۔

2- دائروں کو شیڈ (بھرنے) کے لئے نیلے یا کالے رنگ کا مارکر استعمال کریں۔

3- جواب میں ایک سے زائد دائرے بھرنے سے جواب غلط تصور ہوگا۔

Time Allowed: 15 Minutes

SECTION - A

Marks : 12

1 Rolling friction is always..... the sliding friction. Greater than Equal to Less than Both A & C

2 Which of the given forces can act as a centripetal force? Tension Friction Gravitational force All these

3 The angle at which x and y components of force are equal is: 0° 30° 45° 60°

4 Kilowatt - hour is the unit of: Power Energy Pressure Momentum

5 Conventionally clockwise torque is taken as..... Negative Positive Parallel Zero

6 When water at 0°C is heated, its volume decreases upto..... 4°C 10°C 60° 100°

7 10⁻¹² stands for: Micro Pico Femto Nano

8 Which of the given units is a derived unit? Kg Mol Cd N

9 Which of the given is a vector quantity? Speed Distance Displacement Power

10 9.11 × 10⁻³¹ kg contains how many numbers of significant figures? 2 3 4 5

11 A train is moving at a speed of 36 km h⁻¹. Its speed expressed in ms⁻¹ is: 10 ms⁻¹ 20 ms⁻¹ 25 ms⁻¹ 30 ms⁻¹

12 A bird begins to accelerate at a constant 0.3 m/s² for 3s. Its change in velocity is: 1.5 m/s 1.95 m/s 2.4 m/s 0.9 m/s