

**Model Paper**

**Physics Paper – XI**

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: 20 Minutes**

**SECTION – A**

**Marks : 18**

1	Which of the given is least sub multiple?	<input type="radio"/> Micro	<input type="radio"/> Pico	<input type="radio"/> Femto	<input type="radio"/> Giga
2	One horse power is equal to .....	<input type="radio"/> 764 watts	<input type="radio"/> 756 watts	<input type="radio"/> 746 watts	<input type="radio"/> 784 watts
3	The no of significant digit in the number 0.000234 is .....	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 7	<input type="radio"/> 2
4	The magnitude of the Resultant of two forces is F. The magnitude of each force is also F. The angle b/w the forces must be....	<input type="radio"/> 30°	<input type="radio"/> 60°	<input type="radio"/> 45°	<input type="radio"/> 120°
5	$(\hat{i} \times \hat{i}) \times \hat{k} = \dots\dots\dots$	<input type="radio"/> i	<input type="radio"/> j	<input type="radio"/> k	<input type="radio"/> 0
6	If a.b = 1, a = 2 and b = 2 then the angle b/w the two vectors is .....	<input type="radio"/> 45°	<input type="radio"/> 30°	<input type="radio"/> 75°	<input type="radio"/> 60°
7	If A.B = 0 then A and B vectors are .....	<input type="radio"/> Perpendicular	<input type="radio"/> Parallel	<input type="radio"/> Normal	<input type="radio"/> None of these
8	A force of 3N and 4N acts on a body at the same time. Which of the given forces cannot be the resultant?	<input type="radio"/> 3.5N	<input type="radio"/> 0.3N	<input type="radio"/> 4N	<input checked="" type="radio"/> 5N
9	The power output of a lamp is 6 watt. How much energy does the lamp give out in 1 minute?	<input type="radio"/> 360J	<input type="radio"/> 12J	<input type="radio"/> 120J	<input type="radio"/> 720J
10	When an electron revolves around the nucleus in a circular path, the centripetal force is provided by .....	<input type="radio"/> Gravitational force	<input type="radio"/> Tension	<input type="radio"/> Columbic force	<input type="radio"/> Frictional force
11	The range of projectile is same for the two angles which are mutually .....	<input type="radio"/> Orthogonal	<input type="radio"/> Supplementary	<input type="radio"/> Complementary	<input type="radio"/> None of these
12	The work done by the body will be negative if the angle b/w force and displacement is .....	<input type="radio"/> 0°	<input type="radio"/> Less than 90°	<input type="radio"/> Greater than 90°	<input type="radio"/> 90°
13	The horizontal component of velocity of a body at highest point during projectile motion will be .....	<input type="radio"/> Maximum	<input type="radio"/> Minimum	<input type="radio"/> Zero	<input type="radio"/> Remain constant
14	If a body is moving in a circle of radius r. Then the angle b/w radius and tangential velocity is .....	<input type="radio"/> 30°	<input type="radio"/> 45°	<input type="radio"/> 90°	<input type="radio"/> 0°
15	A truck takes 80 seconds to travel the first 80m, and another 10 sec to travel a further 70m. What is the average speed?	<input type="radio"/> 0.004 m/s	<input type="radio"/> 1.6 m/s	<input type="radio"/> 4 m/s	<input type="radio"/> 5 m/s
16	Which of the given has the same dimensions?	<input type="radio"/> Inertia & torque	<input type="radio"/> Impulse & momentum	<input type="radio"/> Stress and strain	<input type="radio"/> Both A & B
17	Maximum work can be done in the process called .....	<input type="radio"/> Isothermal	<input type="radio"/> Adiabatic	<input type="radio"/> Isobaric	<input type="radio"/> Isochoric
18	The triple point of water is .....	<input type="radio"/> 273.16 C	<input type="radio"/> 273.16 K	<input type="radio"/> 372 K	<input type="radio"/> 0 C