

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?	☐ Micro	☐ Pico	☐ Femto	☐ Giga
2	One horse power is equal to	☐ 764 watts	☐ 756 watts	☐ 746 watts	☐ 784 watts
3	The no of significant digit in the number 0.000234 is	☐ 3	☐ 4	☐ 7	☐ 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....	☐ 30°	☐ 60°	☐ 45°	☐ 120°
5	$(\hat{i} \times \hat{i}) \times \hat{k} = \dots\dots\dots$	☐ i	☐ j	☐ k	☐ 0
6	If a.b = 1, a = 2 and b = 2 then the angle b/w the two vectors is	☐ 45°	☐ 30°	☐ 75°	☐ 60°
7	If A.B = 0 then A and B vectors are	☐ Perpendicular	☐ Parallel	☐ Normal	☐ 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?	☐ 3.5N	☐ 0.3N	☐ 4N	☐ 5N
9	The power output of a lamp is 6 watt. How much energy does the lamp give out in 1 minute?	☐ 360J	☐ 12J	☐ 120J	☐ 720J
10	When an electron revolves around the nucleus in a circular path, the centripetal force is provided by	☐ Gravitational force	☐ Tension	☐ Columbic force	☐ Frictional force
11	The range of projectile is same for the two angles which are mutually	☐ Orthogonal	☐ Supplementary	☐ Complementary	☐ None of these
12	The work done by the body will be negative if the angle b/w force and displacement is	☐ 0°	☐ Less than 90°	☐ Greater than 90°	☐ 90°
13	The horizontal component of velocity of a body at highest point during projectile motion will be	☐ Maximum	☐ Minimum	☐ Zero	☐ Remain constant
14	If a body is moving in a circle of radius r. Then the angle b/w radius and tangential velocity is	☐ 30°	☐ 45°	☐ 90°	☐ 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?	☐ 0.004 m/s	☐ 1.6 m/s	☐ 4 m/s	☐ 5 m/s
16	Which of the given has the same dimensions?	☐ Inertia & torque	☐ Impulse & momentum	☐ Stress and strain	☐ Both A & B
17	Maximum work can be done in the process called	☐ Isothermal	☐ Adiabatic	☐ Isobaric	☐ Isochoric
18	The triple point of water is	☐ 273.16 C	☐ 273.16 K	☐ 372 K	☐ 0 C