

SR NO	QUESTIONS	YEAR	MARKS
1	Define: (1)Ampere (2) Kilogram(3) Derived Unit(4)Absolute Error	2012,2013	04
2	Explain Errors with in Vernier Callipers.(With Fig.)	2010,2012,2013	04
3	Explain the Least Count and Measurement of the Micrometer Screw Guage.	2010,2012,2013	04
4	Explain how will you measure the outer diameter of cylinder using vernier caliper.	2013	03
5	State law of conservation of momentum .Explain with example.	2013	04
6	State Newton's 2 nd law and prove $F=ma$ from that.	2013	04
7	What do you mean by strong nuclear force?	2013	04
8	What is Stress and strain? Explain the types of Stress and strain in Detail.	2012	06
9	Explain Laplace Molecular Theory.	2011	04
10	Explain Reynold's Number and it's significance.	2012,2013	04
11	Define: (1) Deforming Force (2) Restoring force (3) Cohesive Force (4) Adhesive Force	2013	04
12	Give Stock's law and explain terminal velocity of sphere in viscous medium.	2013, june2014	05
13	Define thermal conductivity and give its SI units	2013	04
14	Explain Lee's method to find coefficient of heat conduction for bad conductors.	2012,2013	05
15	Give the difference between Heat and Temperature. Explain in Detail Different method of Heat Transfer.	2013	04
16	State Diffrence between longitudinal and transverse wave.	2010,2011,2012,2013	04
17	State sabine's formula for reverberation of time. Explain each them.	2010,2013	04
18	Give four properties of ultrasonic sound.	2010,2011,2013	04
19	Give the characteristics of Electromagnetic waves.	2010,2011,2013	03
20	Explain laws of Reflection.	2012,june 2014	03
21	Explain diffraction of light waves.	2011,2012	04
22	Give shell's law and define absolute refractive index.	2010,2012.2013	03
23	Explain interference with their types in details.	2011,2013	03
24	List and compare properties of α , β , γ rays.	2011,2012,2013,2014	04
25	State and explain law of radioactive decay, decay constant, half life and avg life. Draw necessary curve in support of the explanation.	2012,2013	03

D.E SEM-I(MECHANICAL)

FAQ E.P(3300004)