Simple Harmonic Motion and Waves

Sr	Questions	Answers Choice
1	Which is not a hardware:	A. CPU<o:p></o:p> B. Window<o:p></o:p> C. Keyboard<o:p></o:p> D. Mouse<o:p></o:p>
2	To get a design on the computer screen by moving a pointer with the help of mouse is called:	A. word processing B. graphic designing C. data managing D. telecommunication
3	It mass of bob o a simple pendulum is doubled, its time period.	A. is doubled B. become four times C. remains same D. none of the above
4	Typographical errors in BASIC statements are:	A. Runtime errors B. Logical Errors C. Syntax errors D. Execution errros
5	In there is no extension in the spring then this positon is called	A. Equilibrium position B. Unequilibrium C. Nautral equilibrium D. Stable equilibrium
6	Waves transfer:	A. Energy<o:p></o:p> B. Wavelength<o:p></o:p> C. Velocity<o:p></o:p> D. frequency
7	Which of the following devices can be used to produce both a transverse and longitudinal waves:	A. A string<o:p></o:p> B. A ripple tank<o:p></o:p> C. A helical spring (slinky)<o:p></o:p> D. A tuning fork<o:p></o:p>
8	Diffraction of wave can be observed clearly only when the size of slit or obstacle is nearly_____ to the wavelength of the wave:	A. Two times B. Equal C. Four times D. None of these
9	The relation between v,f andλ of a wave is:	A. vf=λ B. fλ = v C. vλ =f D. v=λ/f
10	The time period of simple pendulum can be calculated by:	A. T = 2π√L/g B. T = 2 π √m/k C. T = 2 π √g/L D. T = 2 π √K/m
11	Which of the following is an example of simple harmonic motion:	A. Motion of a simple pendulum<o:p></o:p> B. The motion of ceiling fan<o:p></o:p> C. The spinning of the earth on its axis<o:p></o:p> D. A bouncing ball on a floor<o:p></o:p>

12	With broadband information can be loaded:	A. In 1 min<o:p></o:p> B. In 1 sec<o:p></o:p> C. In 1 day<o:p></o:p> D. In 2 days<o:p></o:p>
13	The waves, which are used to detect the broken bones, are called:	A. Light waves B. x-rays C. Sound waves D. both b,c,
14	Which rays are used to send or receive digital information along aptical fibre:	A. infrared B. alpha rays C. beta rays D. mechanical
15	The force applied on the mass attached with a spring is represented by:	A. F_a B. F_c C. F_{ext} D. F_s
16	Wave transfer	A. Energy B. Frequency C. Wavelength D. Velocity
17	The distance between two consecutive troughs or crests is called:	A. wavelength B. Frequency C. Time period D. None of these
18	The disturbance travelling in a medium is called:	A. Wave motion B. Simple harmonic motion C. Motion D. both a ,b
19	The maximum displacement from mean position is called:	A. Maximum height B. Time period C. Amplitude D. Intervel
20	The motion in which the friction reduces the mechanical energy of the system as times passes and the amplitude of motion reduces is called:	A. SHM B. Randum motion C. Damped motion D. None of these