

TALEEMI DUNYA

Test Syllabus: Unit # 8

St. Name		Test	physics	T. Marks	30	Time	60 Min
F. Name		Class	11 th	T. Code	U#8	T. Date	

NOTE: Four possible answers A, B, C and D to each question are given. The choice which you think is correct, fill that circle in front of that Question with Marker or Pen ink. Cutting or filling two or more circles will result in zero mark in that question. **6.**

1. Waves transmit _____ from one place to other							
a	Energy	b	Mass	c	Both	d	None
2. The waves require a material medium for their propagation are called							
a	Matter waves	b	Electromagnetic waves	c	Carrier waves	d	Mechanical waves
3. The example of mechanical waves is:							
a	Water and air waves	b	Radio waves	c	Infrared waves	d	Ultra violet waves
4. Sound waves can not travel through:							
a	Air	b	Water	c	Material medium	d	Vacuum
5. Sound waves do not travel in vacuum because							
a	They are transverse waves	b	They are stationary waves	c	They require material medium for propagation	d	They do not have enough energy
6. According to Laplace connection sound travel in air under the condition of							
a	Adiabatic	b	Isothermal	c	Isobaric	d	Isochoric

Q.2 Write short answers of the following questions.

(8x2=16)

1. What are progressive wave?
2. Is it possible for two identical waves travelling in the same direction along a string to give rise to a stationary waves?
3. Why does sound travel faster in solids than in gases?
4. How are beats useful in tuning musical instruments?
5. Explain why sound travels faster in warm air than in cold air.
6. Define periodic waves?
7. Define beats?
8. Define stationary waves?

NOTE: Attempt the long questions.

(4+4=8)

- 3(a)** Explain stationary waves in stretched string.
- (b)** Find the temperature at which the velocity of sound in air is two times its velocity at 10.