**Gulistan Academy**

Physics (10th) Max.Marks = 22

Chapter No.10 & 11 Pass Marks = 20

**Time = 30 min**

**Question No.1: (7x2=14)**

1. *Does increasing the frequency of a wave also increase its wavelength?*
2. *What types of waves do not require any material medium for their propagation?*
3. *Find the time period and frequency of a simple pendulum 10 m long at a location where g = 10.0 ms-2.*
4. *We can recognize persons speaking with the same loudness from their voice. How is this possible?*
5. *Will two separate* ***50 dB*** *sounds together constitute a* ***100 dB*** *sound? Explain.*
6. *Define Loudness and Quality of sound.*
7. *Calculate the intensity level of the faintest audible sound.*

**Question No.2: (4+4)**

1. *Write any* ***Five*** *uses of Ultrasound.*
2. *A simple pendulum completes one vibration in two seconds. Calculate its length.*

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