

XII Std. Open Book Test-3: Transducers

Max. Marks: 24

Ques 1: Fill in the blanks: $(1+1+1+1+1=5)$		
1)	The LDR is called transducer. (active, magnetic, passive)	
2)	The LVDT is categorized as transducer. (thermal, mechanical, light)	
3)	The thermocouple transducer is type of transducer. (NTC, PTC, CTC)	
4)	When pressure is applied on capacitive transducer, its capacity C (increases, decreases, remains same)	
5)	The y-y' axis of a piezo electric crystal is called as axis. (mechanical, electrical, optical)	
Ques 2: Explain the working loudspeaker with neat diagram of its internal structure. (3+1=4)		
Ques 3: How a PTC thermister can be used to measure temperature? Explain with neat circuit diagram. (2+1=3)		
Ques 4: With neat diagram explain the function of capacitive transducer, known as pressure transducer. (1+3=4)		
Ques 5: How photo relay circuit works? Explain its working with diagram in both light and dark conditions. (2+2=4)		
Qu	es 6: Enlist the factors for selection of a transducer. Explain in brief. (1+1+1+1=4)	



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