No. of Printed Pages : 4 Roll No	120946	Q.9 Expand LDR?	
		Q.10 Give one example of passive transduc	cer?
4th Sem. / Electrical		SECTION-B Note: Very Short answer type questions. Attempt any	
Subject : Instrumentation			
e : 3 Hrs.	M.M.: 100		
SECTION-A		Q.11 List two types of signal conditioning sy	/stem?
Note: Objective type questions. All questions are compulsory. (10x1=10) Q.1 Define measurement?		Q.12 State the main parts of transducer?	
		Q.13 Define active transducer?	
		Q.14 List two advantages of potentio meter	?
Q.2 List two Piezo electric materials?Q.3 Define Hellipot?Q.4 List formula for measuring torque?		Q.15 Define hydro static pressure?	
		Q.16 List two types of ultra sonic flow meter	·?
		•	
Bourdon tube are made up of_	?		
Q.6 Electromagnetic flow meter is independent		Q. To Define relative numidity?	
liquid density? (True/False)		Q.19 Draw symbol of LED?	
A thermocouple is function of	metals?	Q.20 List two types of recorder?	
PH value varies from		Q.21 Define Hysteresis?	
(1)	120946	(2)	120946
	4th Sem. / Electrical Subject: Instrumentate: 3 Hrs. SECTION-A E:Objective type questions. A compulsory. Define measurement? List two Piezo electric materials. Define Hellipot? List formula for measuring torq. Bourdon tube are made up of Electromagnetic flow meter liquid density? (True/False) Athermocouple is function of PH value varies from	Ath Sem. / Electrical Subject: Instrumentation 2: 3 Hrs. M.M.: 100 SECTION-A 2: Objective type questions. All questions are compulsory. (10x1=10) Define measurement? List two Piezo electric materials? Define Hellipot? List formula for measuring torque? Bourdon tube are made up of? Electromagnetic flow meter is independent liquid density? (True/False) Athermocouple is function of metals? PH value varies from to?	Ath Sem. / Electrical Subject: Instrumentation SECTION-A SCODjective type questions. All questions are compulsory. Define measurement? List two Piezo electric materials? Define Hellipot? List formula for measuring torque? Bourdon tube are made up of? Electromagnetic flow meter is independent liquid density? (True/False) Athermocouple is function ofmetals? PH value varies from to? Q.10 Give one example of passive transduce secured passive transducer? SECTION-B Note: Very Short answer type questions. All ten questions out of twelve questions. A

SECTION-D Q.22 List of any two devices for speed measurement? **SECTION-C** Note:Long answer type questions. Attempt any three questions out of four questions. (3x10=30)Note: Short answer type questions. Attempt any eight questions out of ten questions. (8x5=40)Q.33 Explain the construction, principle and working of LVDT? Q.23 How torque is measured by brake dynamo meter? Q.34 With the help of need diagram explain the working of Piezo electric transducer? Q.24 Describe the signal conditioning? Q.35 Explain how temperature is measured by Q.25 State one method to measure the humidity? thermocouple? Q.26 Why PH measurement is required? Q.36 Describe the load measurement by using Q.27 Describe one force measurement method? elastic tranducer and electrical strain gauge? Q.28 Draw the block diagram of measurement system? Q.29 Give the limitation of the mechanical instrument? Q.30 Explain the importance of the measurement? Q.31 Give two advantages and disadvantages of the piezo electro transducer? Q.32 State principle of electromagnetic flow meter? (3)(1900)(4) 120946 120946