



	(b)	What is CRT? Discuss construction and working principle of CRT .	7
<b>Q-4</b>		<b>Attempt all questions</b>	<b>(14)</b>
	(a)	Name different types of microphones; discuss any two giving construction and working.	7
	(b)	Name methods to determine air pollution parameters. Discuss in detail Orsat apparatus for air pollution and analysis.	7
<b>Q-5</b>		<b>Attempt all questions</b>	<b>(14)</b>
	(a)	Write detail note on non electrical methods for temperature measurements.	7
	(b)	Write detail note on electrical methods for temperature measurements	7
<b>Q-6</b>		<b>Attempt all questions</b>	<b>(14)</b>
	(a)	Write detail note on pyrometric radiation methods for temperature measurements	7
	(b)	Name the low pressure or vacuum measurement devices. Narrate McLeod gage and thermal conductivity – Pirani gage.	7
<b>Q-7</b>		<b>Attempt all questions</b>	<b>(14)</b>
	(a)	Describe moderate pressure measurement by manometers in details.	7
	(b)	Explain the working principle of Piezo electric transducer.	7
<b>Q-8</b>		<b>Attempt all questions</b>	<b>(14)</b>
	(a)	Discuss working principle with simplified circuit of opto electrical transducers.	7
	(b)	Write a short note on “ Resistance strain gage bridges”.	7

