	Q.5	PM	M-II is the machine	e whic	h violates	
732/031732/		a)	Boyle's law	,		
1834/117232		,				(CO 2)
_I	0.6	,				(CO-2)
•	Q.U					uncony
M.M.: 100		a)				
		c)	sublimation	ď)	Condensation	on
						(CO-3)
(10x1=10)	Q.7				ler mounting?	?
4		,		ator		
•			•	-11	0	_
•		C)	Economiser	a)	•	
(00-1)	\cap °		+ Curroup	dinao-		(CO-5)
ne hoiler	Q.o	<u>a)</u>	· · · · · · · · · · · · · · · · · · ·			ıto
		,		,	•	
(CO-5)		J)	Cyclom, Chivoro	<i>3</i>		(CO-1)
ect gas, the	Q.9	Die	sel cycle is also kn	ow as		,
y asit's		a)	•	-		
		b)	•		•	
sure is kept		,		•		(00.0)
una la kant		d)	Constant entropy	cycle)	(CO-6)
ime is kept	0.40	The	s point at which all t	thua a	مانده مداط	انميناما
(CO-2)	Q. 10		•		•	, iiquia,
` '		•	•			
		,	•	D)	Triple point	
•		,	•	xure	((CO-3)
(CO-2)		/			`	/
732/031732/			(2) 1817	732/121732/0	131739/
			(-	, 1017		
	#834/117232 #I M.M.: 100 #estions are	732/031732/ 4834/117232 -I Q.6 M.M.: 100 Destions are (10x1=10) Q.7 System (CO-1) Destions are (CO-5) Destions are (CO-6) Destio	732/031732/ 4834/117232 c) d) Q.6 The train a) C) Lestions are (10x1=10) Q.7 Wh a) Lystem C (CO-1) Deboiler If these (CO-5) Lect gas, the yasit's C) CCO-5) Lossure is kept C) CCO-2) CROWN as CO-2) CROWN as CROW	a) Boyle's law c) I law of thermody d) II law of thermody d) Evaporation c) sublimation Q.7 Which of the following a) Water level indicate b) Air preheater c) Economiser d) Cycle, Path c) System, Universe d) Constant pressur b) Constant temper c) Constant temper d) Constant entropy ume is kept Q.10 The point at which all vapour co-exist in equal constant pressur d) Constant entropy d) Point of contra flee d) Point of contra flee	a) Boyle's law b) c) I law of thermodynamic d) II law of thermodynamic labeling in the policy specific process in which va transferred into solid phase a) Evaporation ob) c) sublimation ob) a) Evaporation ob) c) sublimation ob) c) sublim	a) Boyle's law b) Charles law c) I law of thermodynamics d) II law of thermodynamics d) II law of thermodynamics (1) I law of thermodynamics d) II law of thermodynamics (2) I law of thermodynamics d) II law of thermodynamics (3) II law of thermodynamics d) Evaporation b) Ablimation c) sublimation d) Condensation d) Condensation d) Condensation d) Condensation d) Condensation d) Process, Start e) Superheater d) Superheater d) Superheater d) Superheater d) Superheater d) Cycle, Path b) Process, Start e) System, Universe d) None of these d) Cycle, Path b) Process, Start e) Constant pressure cycle d) Constant temperature cycle d) Constant temperature cycle d) Constant temperature cycle d) Constant entropy cycle d) Co

SECTION-B	kind (CO-2)
Note: Objective type questions. All questions are	Q.26 Define heat source and heat sink. (CO-2)
compulsory. 10x1=10	Q.27 Briefly describe Vander-Wall's equation. (CO-3)
Q.11 Boundary of a system may be	Q.28 Explain Zeroth law of thermodynamics with neat
or ${(CO-1)}$	diagram. (CO-2)
Q.12 Steam is the of water (CO-4)	Q.29 Derive an expression of work done for isochoric
Q.13 Define isothermal process. (CO-2)	process. (CO-3)
Q.14 In Otto cycle heat is supplied at (CO-3)	Q.30 Briefly describe enthalpies of steam (CO-4)
Q.15 First law of thermodynamics is based on	Q.31 Explain centrifugal compressor briefly. (CO-6)
(CO-2)	Q.32 Explain the boiler mountings and accessories
Q.16 Define drysteam. (CO-4)	briefly. (CO-5)
Q.17 Name any fire tube boilers. (CO-5)	Q.33 Explain various uses of compressed air (CO-6)
Q.18 A perfect gas is also know as an ideal gas.	Q.34 Explain Clausius statement of second law of
(T/F) (CO-6)	thermodynamics. (CO-2)
Q.19 Define air compressor? (CO-6)	Q.35 Explain the uses of steam. (CO-4)
Q.20 Define internal energy. (CO-1)	
	SECTION-D
SECTION-C	Note: Long answer type questions. Attempt any two
SECTION-C Note:Short answer type questions. Attempt any	Note: Long answer type questions. Attempt any two questions out of three questions. 2x10=20
	· · · · · · · · · · · · · · · · · · ·
Note: Short answer type questions. Attempt any	questions out of three questions. 2x10=20 Q.36 Explain the construction, working of Lancashire
Note: Short answer type questions. Attempt any twelve questions out of fifteen questions.	questions out of three questions. 2x10=20 Q.36 Explain the construction, working of Lancashire
Note: Short answer type questions. Attempt any twelve questions out of fifteen questions. 12x5=60	questions out of three questions. 2x10=20 Q.36 Explain the construction, working of Lancashire boiler with neat diagram. (CO-5)
Note: Short answer type questions. Attempt any twelve questions out of fifteen questions. 12x5=60 Q.21 Explain types of systems with suitable	questions out of three questions. 2x10=20 Q.36 Explain the construction, working of Lancashire boiler with neat diagram. (CO-5) Q.37 Derive expression of work done, heat transfer
Note: Short answer type questions. Attempt any twelve questions out of fifteen questions. 12x5=60 Q.21 Explain types of systems with suitable examples. (CO-1)	questions out of three questions. 2x10=20 Q.36 Explain the construction, working of Lancashire boiler with neat diagram. (CO-5) Q.37 Derive expression of work done, heat transfer and internal energy for isothermal process.
Note: Short answer type questions. Attempt any twelve questions out of fifteen questions. 12x5=60 Q.21 Explain types of systems with suitable examples. (CO-1) Q.22 Compare centrifugal compressor with axial flow	questions out of three questions. 2x10=20 Q.36 Explain the construction, working of Lancashire boiler with neat diagram. (CO-5) Q.37 Derive expression of work done, heat transfer and internal energy for isothermal process. (CO-2)
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