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Examination: [2017 SUMMER](#)

Que.No	Question/Problem	marks
Q 1a)(d)	Define : i) Tonnage of refrigeration.....	4
Q 2 b)	Explain vapour compression refrigeration cycle on T-S and p-h charts..	8
Q 3 e)	Explain the effect of superheating and subcooling on the performance of vapour compression cycle.....	4
Q 4a)(d)	Name the refrigerants used for..	4
Q 6 d)	Define : i) WBT ii) DPT.	4
Q 6 e)	Explain the working of simple vapour absorption refrigeration system.	4

Examination: [2017 WINTER](#)

Que.No	Question/Problem	marks
Q 4a)(c)	Draw a neat block diagram of "vapour compression cycle".	4
Q 6 a)	Explain the following terms :- i) Daltons law of partial pressures	4
Q 6 b)	Sketch a psychrometric chart and show the following properties of air on it.....	4
Q 6 c)	Draw only a neat labelled sketch of window air-conditioner.	4

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Que.No	Question/Problem	marks
Q 2 b)	Represent following processes on Psychrometric chart.....	8
Q 3 c)	Enlist the four effects of subcooling on the performance of V.C.C. refrigeration cycle.	4

Que.No	Question/Problem	marks
Q 5 a)	Explain with neat block diagram the working of 'Vapour Absorbtion Cycle'	8
Q 6 a)	State the following term...	4
Q 6 d)	Compare between window air conditioner.....	4

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Que.No	Question/Problem	marks
Q 2 a)	Differentiate vapour compression and vapour absorption refrigeration system.....	8
Q 3 c)	Define i) Humidity ratio, ii) Specific humidity	4
Q 5 a)	Explain with neat sketch construction and working of ice plant.	8
Q 6 c)	Define (i) Dew point temp. (ii) Wet bulb temp	4
Q 6 e)	Draw neat sketch of split air conditioner and name the parts.	4

Examination: [2015 SUMMER](#)

Que.No	Question/Problem	marks
Q 2 c)	Explain vapour compression refrigeration.....	8
Q 3 e)	Explain the concept of super heating and sub cooling with the help of P-h and T-s charts	4
Q 5 c)	Draw a neat sketch of vapour compression refrigeration cycle. Describe its working	8
Q 6 d)	Difference Heat Pump Refrigerator	4
Q 6 e)	Explain the working of window air conditioner with neat sketch.	4

Examination: [2015 WINTER](#)

Que.No	Question/Problem	marks
Q 2 b)	Explain sensible heating and cooling with..	8
Q 3 c)	Draw and explain simple vapour absorption refrigeration system	4
Q 5 a)	Explain construction and working of ice plant with neat sketch.	8
Q 6 a)	Represent subcooling and superheating on P-h and T-S diagram....	4

Que.No	Question/Problem	marks
Q 6 d)	Give classification of air conditioning system.....	4

Examination: [2014 WINTER](#)

Que.No	Question/Problem	marks
Q 2b)(i)	Define: 1) DPT	8
Q 2b)(ii)	Define following terms 1) specific humidity	8
Q 3 c)	List any four applications of refrigeration.	4
Q 5 a)	A vapour compression machine is used to maintain a temperature of -23°C in a refrigerated space. The ambient temperature is 37°C.....	8
Q 6 d)	Distinguish between central A/C and unitary A/C systems with respect to following parameters....	4

Examination: [2018 SUMMER](#)

Que.No	Question/Problem	marks
Q 2 c)	Explain working principle of simple vapour	8
Q 3 e)	Represent wet compression and dry compression on	4
Q 5 c)	Explain with neat sketch working principle of Ice plant.	8
Q 6 d)	Define : i) DBT	4
Q 6 e)	Give the classification of air conditioning systems.	4
