
Apply

Examination:

Que.No	Question/Problem	marks
Q 6 b)	Define.....	4

Examination: 2017 SUMMER

Que.No	Question/Problem	marks
Q 1a)(a)	Enlist uses of compressed air (any four).	4
Q 1a)(b)	What are the advantages of multistaging ?	4
Q 2 c)	Differentiate between reciprocating air compressor and rotary air compressor.	8
Q 4a)(b)	Explain with sketch working of screw compressor.	4
Q 4b)(ii)	Explain the working of two stage reciprocating compressor.....	6
Q 6 b)	What is the necessity of purification of air ? How to remove oil, moisture and dust from air.....	4

Examination: 2017 WINTER

Que.No	Question/Problem	marks
Q 1a)(c)	Classify air compressors	4
Q 2 a)	Reciprocating air compressor draws 6 kg of air per minute at 25°C. It compresses the air....	8
Q 5 a)	State the methods to improve efficiency of air compressor.....	8
Q 5 b)	State the applications of reciprocating compressor.....	8
Q 6 d)	Enlist different uses of compressed air.	4

Examination: 2016 SUMMER

Que.No	Question/Problem	marks
Q 1a)(b)	Define following terms w.r.t. air compressor.....	4
Q 1a)(c)	Enlist different uses of compressed air.	4
Q 2 a)	t is desired to compress 15 m3 of air per minute from 1.0132 bar to 10 bar. Calculate minimum power required to drive.....	8
Q 5 b)	What do you mean by 'Perfect Intercolling' ? Explain with the help of P.V. diagram.	8
Q 6 b)	Why majority of air compressors available in the market are multi.....	4

Examination: 2016 WINTER

Que.No	Question/Problem	marks
Q)	Explain with neat sketch working of lobe type air compressor	4
Q 1a)(b)	A two stage air compressor with perfect intercooling takes in air at 1 bar pressure and 27 °C	4
Q 2 b)	A single stage reciprocating air compressor has a swept volume of 2000 cm3 and runs at 800 rpm.	8
Q 5 b)	A single cylinder reciprocating compressor has a bore of 120 mm and a stroke of 150 mm...	8
Q 6 a)	What is the necessity of purification of air in compressor and how it is done ?	4

Examination: 2015 SUMMER

Que.No	Question/Problem	marks
Q 1a)(b)	Define : i) Compression ratio...	4
Q 1a)(c)	Write uses of compressed air.	4
Q 1a)(d)	Draw a neat sketch of vane compressor and label the different parts.....	4
Q 2 b)	What is the necessity of multistage compression.....	8
Q 5 a)	Differentiate between reciprocating and rotary compressors	8

Examination: 2015 WINTER

Que.No	Question/Problem	marks
Q 1a)(b)	State any four industrial uses of compressed air.	4

Que.No	Question/Problem	marks
Q 1a)(c)	Define the following terms related to compressor....	4
Q 2 a)	Compare Reciprocating air compressor and Rotary air...	8
Q 5 b)	A pneumatic rock drill requires 10 kg/min of air at 6 bar pressure....	8
Q 6 b)	Define perfect and imperfect inter-cooling in air compressor and show it by graph also....	4

Examination: 2014 WINTER

Que.No	Question/Problem	marks
Q 1a)(ii)	Define following efficiencies related to compressors	4
Q 1a)(iii)	Show the effect of increase of compression ratio in a single.....	4
Q 2a)(i)	The criterion of the thermodynamic efficiency	8
Q 2a)(ii)	Compare reciprocating compressors and centrifugal compressors.....	8
Q 5 b)	A single stage single acting air compressor delivers 0.6 kg of air per minute at 6.1 bar...	8
Q 6 b)	Define displacement of compressor for two stage compressor...	4

Examination: 2018 SUMMER

Que.No	Question/Problem	marks
Q 1a)(c)	Give the classification of air-compressors	4
Q 1a)(d)	Explain with neat sketch working principle of Lobe compressor	4
Q 2 b)	Explain construction and working of single stage reciprocating air compressor	8
Q 5a)(i)	Compare reciprocating and rotary compressors (any four).	8
Q 5a)(ii)	Write any four applications of compressed air.	8
Q 6 b)	Define : i) Isothermal efficiency.	4