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Examination: 2017 SUMMER

Que.No	Question/Problem	marks
Q 1a)(c)	Classify gas turbines	4
Q 3 d)	Differentiate between closed cycle and open cycle gas turbine	4
Q 4a)(c)	Classify gas turbines on the following basis.....	4
Q 5 b)	State the methods used to improve thermal efficiency of gas turbine and explain any one.	8
Q 6 c)	Draw the schematic diagram of turbojet engine.....	4

Examination: 2017 WINTER

Que.No	Question/Problem	marks
Q 1a)(d)	Classify gas turbine on the basis of	4
Q 1b)(b)	Explain regeneration method to improve thermal efficiency of gas turbine with the help...	6
Q 3 d)	Turbojet engine working principle	4
Q 3 e)	State the advantages of closed cycle gas turbine over open cycle gas turbine	4
Q 6 e)	State the applications of gas turbine (any four).	4

Examination: 2016 SUMMER

Que.No	Question/Problem	marks
Q 3 b)	Classify gas turbine on the basis of.....	4
Q 5 c)	Explain the working of 'Turbo-Prop' engine with neat sketch.....	8
Q 6 e)	Explain any one method to improve thermal efficiency of gas.....	4

Examination: 2016 WINTER

Que.No	Question/Problem	marks
Q 3 b)	Compare closed cycle and open cycle gas turbine.	4
Q 4a)(d)	State different methods for improving thermal efficiency of gas turbine and explain any one.	4
Q 5 c)	Explain with neat sketch construction and working of constant volume gas turbine.	8
Q 6 d)	Explain the principle of Ram jet with neat sketch	4

Examination: 2015 SUMMER

Que.No	Question/Problem	marks
Q 3 d)	Explain with a neat sketch turbo propeller w.r.to Jet propulsion	4
Q 4 c)	What are the methods to improve thermal efficiency of gas turbine ? Explain any one method.	4
Q 4 d)	What is jet propulsion ? Give the classification of jet propulsion system.	4
Q 5 b)	Explain intercooling and reheating in gas.....	8
Q 6 c)	Explain the working principle of jet propulsion with a neat sketch.	4

Examination: 2015 WINTER

Que.No	Question/Problem	marks
Q 3 b)	Draw constant pressure closed cycle gas turbine on P.V and T-S planes.	4
Q 5 c)	Explain construction and working of turbojet with neat labelled sketch.	4
Q 6 e)	Compare, closed cycle and open cycle gas turbine.....	4
Q 6 f)	State the different methods used to improve thermal	4

Examination: 2014 WINTER

Que.No	Question/Problem	marks
Q 3 b)	State merits/demerits of gas turbine over T.C. engine with respect to following parameters.....	4

Que.No	Question/Problem	marks
Q 5 c)	Explain the construction and working of Ram jet with the help of neat labelled schematic diagram. State its limitations (any two).	8

Examination: 2018 SUMMER

Que.No	Question/Problem	marks
Q 3 d)	Explain with neat sketch working principle of Ram jet engine	4
Q 4 d)	State advantages of jet propulsion over other systems.	4
Q 5 b)	List the methods to improve thermal efficiency of gas turbine and explain any one of them in detail	8
Q 6 c)	Explain with neat sketch working principle of turbo jet engine.	4