

SECTION-B

Note: Short answer type questions. Attempt any six questions out of Eight questions. $(6 \times 5 = 30)$

- Q.11 What do you understand by Quasi-static process? Write in brief about it.
- Q.12 What is universal gas constant? Write the universal gas equation.
- Q.13 Describe first law of thermodynamics.
- Q.14 Illustrate Clausius statement with the help of a diagram.
- Q.15 Discuss the functional requirements of a fuel injection system for diesel engine.
- Q.16 What do you understand by carburetion and what is the purpose of carburetor?
- Q.17 Write the functions of a steam condenser.
- Q.18 What is gas turbine? Give their classification.

SECTION-C

Note: Long answer type questions. Attempt any one questions out of two questions. $(10 \times 1 = 10)$

- Q.19 Explain with the help of a need sketch the working of a Babcock and Wilcox boiler.
- Q.20 Describe the working of injector with neat sketch for a diesel engine.

No. of Printed Pages : 2
Roll No.

188751

DVOC (Level - 5)
Semester-I/Trade-Production Tech.
Subject : General Mechanical Engineering - II

Time : 2 Hrs. M.M. : 50

SECTION-A

Note: Very short answer questions. Attempt all ten questions. $(10 \times 1 = 10)$

- Q.1 Define isolated system.
- Q.2 What is heat capacity?
- Q.3 Define isolated system.
- Q.4 What do you understand by ideal gas?
- Q.5 Define adiabatic process.
- Q.6 What is an IC engine?
- Q.7 What is carburetor?
- Q.8 Define Impulse Turbine.
- Q.9 What is Throttle governing?
- Q.10 Define cooling tower.