

SECTION-B

Note: Short answer type questions. Attempt any six questions out of eight questions. (6x5=30)

- Q.11 Explain quasi-static process.
- Q.12 Explain universal gas constant.
- Q.13 State & Explain second law of Thermodynamics in brief.
- Q.14 Draw and explain sketch of carnot cycle with proper labelling.
- Q.15 Explain classification of IC engines.
- Q.16 Show the main parts of Babcock and Wilcox boiler with diagram.
- Q.17 Write a short note on steam turbine.
- Q.18 What is a gas turbine? How can they classified?

SECTION-C

Note: Long answer questions. Attempt any one questions out of two questions. (1x10=10)

- Q.19 Explain the construction and working of a petrol engine.
- Q.20 Explain the construction and working of Cochran boiler with diagram.

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DVOC (Level 5)

1st Sem. / Trade: DVOC (Industrial Tool Manufacturing)

Subject : (5.GV.02) General Mechanical Engineering-II

Time : 2 Hrs.

M.M. : 50

SECTION-A

Note: Very short questions. Attempt all ten questions. (10x1=10)

- Q.1 Define work.
- Q.2 Define thermodynamic process.
- Q.3 Write another name of constant temperature process.
- Q.4 What is free expansion?
- Q.5 Define horse power.
- Q.6 Define compression ratio.
- Q.7 Define steam condensor.
- Q.8 Give the use of feed pump in a boiler.
- Q.9 Write the types of steam turbines.
- Q.10 What are two types of clearance in turbine?