

2/12/37

**2804N147**

Candidate's Seat No : \_\_\_\_\_

**B.Sc (Sem-4) (F&S) Examination**

**CC**

**Automobile Engineering**

**April 2022**

**Time : 2-00 Hours]**

**[Max. Marks : 50**

**Instructions :- All questions in Section-I carry equal marks.  
Attempt any three questions in Section-I.  
Questions in Sections-II is compulsory.**

**Section-I**

- Q-I A** What is prime mover? Write down the classification of prime mover. 5  
**B** Give classification of I.C. engine. 5
- Q-II A** Explain working of petrol engine. 5  
**B** Write down the comparison between petrol engine and diesel engine. 5
- Q-III A** Explain different types of fuel supply system. 5  
**B** Explain Carburetor with neat sketch. 5
- Q-IV A** Why Ignition system is required in petrol engine? Explain coil ignition system. 5  
**B** Explain Supercharging in Automobile. 5
- Q-V A** Define Wheel. Explain it's importance in Automobile. 5  
**B** Give brief note on Axle & Differential. 5
- Q-VI A** Explain fuel Injection system of diesel engine. 5  
**B** Describe suspension system used in automobile. 5
- Q-VII A** Explain Power Take Off system in automobile with their types. 5  
**B** Describe ABS system used in recent automobile vehicles. 5
- Q-VIII A** What is Ground Clearance, Angle of approach & Angle of departure. 5  
**B** What are the new safety features introduced in automobile within last few years. Explain it's importance. 5

**Section II**

- Q-IX MCQs 8**
- 1** In IC engine, The Cylinder of heavy duty vehicles are made of \_\_\_\_\_  
A. Steel & Aluminium Alloys      B. Cast Iron  
C. Copper      D. None of the above
- 2.** Who invented petrol engine in 1876 in Europe.

P.T.O

