

PART — C
(Maximum marks : 60)

(Answer *one* full question from each unit. Each full question carries 15 marks.)

UNIT — I

- III (a) Explain the construction of an automotive alkaline battery. 8
(b) Describe the term 'sulphation' relating to lead acid battery. 7

OR

- IV (a) Outline any four battery tests for automotive batteries. 8
(b) Conclude about the various types of battery charging methods. 7

UNIT — II

- V (a) Illustrate the construction of automotive dynamo with a labelled diagram. 8
(b) Summarize the general working of three-point regulator of an automotive dynamo. 7

OR

- VI (a) Draw a labelled diagram of Standard Bendix drive and point out its working. 8
(b) Write a short note about axial starters. 7

UNIT — III

- VII (a) Explain the working of battery coil ignition system with a circuit diagram. 8
(b) Identify the significance of condenser in an automotive ignition system. 7

OR

- VIII (a) Discuss the two automatic ignition advance methods. 8
(b) Outline the working of a rotating armature type magneto ignition system. 7

UNIT — IV

- IX (a) Indicate the features in an automotive of head light construction. 8
(b) Write down the working of an electric horn. 7

OR

- X (a) Illustrate the working of 'rack type wiper mechanism'. 8
(b) Summarize the working of balancing coil type electrical fuel gauge. 7