

ONE TIME EXIT SCHEME

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10AU752

Seventh Semester B.E. Degree Examination, April 2018 Two and Three Wheeled Vehicles

Time: 3 hrs.

Max. Marks: 100

Note: Answer FIVE full questions, selecting at least TWO questions from each part.

PART – A

- 1 a. With a neat sketch, explain the construction and working of a four stroke S.I engine. (08 Marks)
b. List the advantages and disadvantages of Petrol and Diesel engine. (04 Marks)
c. Explain the construction and working of two strokes S.I engine with Port timing diagrams. (08 Marks)
- 2 a. Explain with neat sketch force/pressure feed cooling system. (08 Marks)
b. With a neat sketch explain force feed lubrication system. (08 Marks)
c. Write the different between Air and Water cooling system. (04 Marks)
- 3 a. Explain the construction and working of constant mesh gear box. (10 Marks)
b. Explain the working of multi plate clutch used in a two wheeler with a neat sketch. (10 Marks)
- 4 a. What s the necessity of shock absorber? Explain its construction and working. (10 Marks)
b. Discuss the construction of front fork assembly, with neat sketch. (10 Marks)

PART – B

- 5 a. Mention the types of wheels for motor cycle. Illustrate with sketch construction of spoked wheel. (08 Marks)
b. With a neat explain Disc brake. (06 Marks)
c. With a neat sketch explain radial tyre. (06 Marks)
- 6 a. Explain the construction and working Battery Ignition system. (08 Marks)
b. Write a short note on Spark plug with a neat sketch. (06 Marks)
c. Differentiate between Battery and Magneto Ignition System. (06 Marks)
- 7 a. Sketch and explain the typical Auto Rikshow Layout, state the advantages and disadvantages (10 Marks)
b. Discuss the salient features of any two, two wheeler made in India. (10 Marks)
- 8 a. Prepare a trouble shooting chart for various system of a vehicle. (10 Marks)
b. Write the complete process of periodic maintenance of motor cycle. (10 Marks)

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