

CBCS SCHEME

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17AU754

Seventh Semester B.E. Degree Examination, Jan./Feb.2021 Two & Three Wheeled Vehicles

Time: 3 hrs.

Max. Marks: 100

Note: Answer any FIVE full questions, choosing ONE full question from each module.

Module-1

- 1 a. Discuss the classification of two wheeler engine. (10 Marks)
b. List out the main engine component with their functions. (10 Marks)

OR

- 2 a. Write the advantages and disadvantages of two stroke and four stroke engine. (10 Marks)
b. Explain the part timing diagrams for two stroke engine. (10 Marks)

Module-2

- 3 a. Explain the various types of Carburetors used in two wheelers. (10 Marks)
b. Explain the construction of spark plug with neat sketch. (10 Marks)

OR

- 4 a. Explain the cooling system. In two wheelers state the advantages. (10 Marks)
b. Explain working of battery operated Ignition system. (10 Marks)

Module-3

- 5 a. Explain the construction of multiplate clutch system. (10 Marks)
b. Describe the screw type clutch release mechanism. (10 Marks)

OR

- 6 a. Explain the types of primary drives used in two wheelers. (10 Marks)
b. Explain the construction and working of shaft drive. (10 Marks)

Module-4

- 7 a. Sketch and explain the construction and working of shock absorber. (10 Marks)
b. Describe components of two wheeler frame with neat diagram. (10 Marks)

OR

- 8 a. Explain Hand operated brake mechanism of two wheelers. (10 Marks)
b. What are the advantages of disc brakes and drum brakes? (10 Marks)

Module-5

- 9 a. Write the advantages and disadvantages of front mounted engine. In three wheelers. (10 Marks)
b. Explain the general layout of passenger auto rickshaw. (10 Marks)

OR

- 10 a. Explain the importance of two wheeler maintenance and different maintenance schedule. (10 Marks)
b. Write the decarbonizing procedure for engine and silencer. (10 Marks)

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Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.