

No. of Printed Pages : 03

Roll No.

H324

B. Tech. EXAMINATION, 2020

(Eighth Semester)

(B Scheme) (Re-appear Only)

(AE)

AE434B

SPECIAL TYPES OF VEHICLE

Time : 2½ Hours]

[Maximum Marks : 75

Before answering the question-paper candidates should ensure that they have been supplied to correct and complete question-paper. No complaint, in this regard, will be entertained after the examination.

Note : Attempt *Four* questions in all. All questions carry equal marks.

(5)M-H324

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1. Describe special features of tractor and explain the following types of tractor with their application :
 - (a) Industrial tractor
 - (b) Four-wheel drive tractor
 - (c) Universal tractor
 - (d) Garden tractor
 - (e) Crawler tractor
 - (f) Row crop tractor.
2. (a) Give the classification of tractor and explain various implements used with tractor.
(b) Briefly explain about farm equipments.
3. (a) Explain the salient features of scrapers and dumpers.
(b) Briefly describe about road rollers.
4. What is the function of Elevators and Elevating graders ? Discuss the construction and operation aspects of Elevators.

5. (a) Explain in detail tracked vehicle used in armed force.
(b) Discuss the characteristics of military vehicles.
6. Discuss in detail the various special requirements in the tanker of military vehicles.
7. Discuss the transmission system of any heavy vehicle.
8. Write short notes on the following :
 - (a) Power plant and chassis of heavy vehicle
 - (b) Salient features of heavy vehicle.