

No. of Printed Pages : 03

Roll No.

H327

B. Tech. EXAMINATION, 2020

(Eighth Semester)

(B Scheme) (Re-appear Only)

(AE)

AE440B

NON-DESTRUCTIVE TESTING METHODS

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-H327

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1. Explain the necessity of this course and various types of NDT Techniques.
2. Explain Bore-scopes for visual examination with neat sketch.
3. Explain Ultrasonic testing. Also explain advantages and applications.
4. Explain the process of Electromagnetic radiation sources with neat sketch.
5. What is Infrared Theory ? Also explain contact and non-contact methods.
6. Explain the Bubble Emission Leak Testing with neat sketch.
7. Explain various defects in casting.

- 8.** Explain need of welding and various types of welding used in Automobile Engineering.