DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE - RAIGAD -402 103 Mid Semester Examination - October - 2017

Branch: M.Tech (Mechanical Engineering) Sem.:- I

Subject with Subject Code:- Mechanical Vibration MME 1103

Paper Solution and Scheme of Marking

Q.No.1 Attempt any one of the following (08)

- a.) Explanation of Rayleigh's Method and procedure for finding natural frequency. (08)
- b.) Explanation of Holzer's Method and procedure for finding natural frequency. (08)

Q.No. 2 Attempt any three of the following: (12)

- a.) Statement and proof of Maxwell's reciprocal theorem. (04)
- b.) Derivation of Longitudinal vibration of bars. (04)
- c.) Explanation of Transient vibration and its Give examples. (04)
- d.) Derivation of Duhamel's integral. (04)

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