





Maharaja Education Trust (R), Mysuru
MAHARAJA INSTITTUTE OF TECHNOLOGY MYSORE
An Automonous Institute, affiliated Viaves areas Technological University, Belogavi
Belowali, Strinappanan Talku, Mandya.—571 477
Approved by AICTE, New Delhi [Resugnized by Govt. of Kamanaha]

IISemester B.E Semester End Examinations

Introduction to Civil Engineering

Duration: 3 hrs

July /August 2024

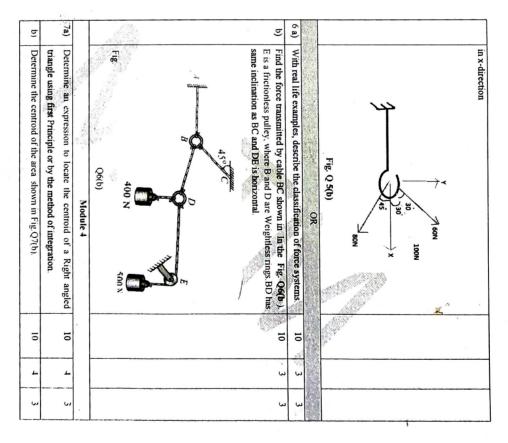
Max. Marks: 100

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Three forces acting on a hook are as shown in Fig. Q5(b). Determine the direction of fourth force of magnitude 150N such that the hook is pulled in x-direction only. Determine the resultant force	State and prove the Principle of Transmissibility of forces and Law of Parallelogram of forces.	Module 3	Highlight the importance of energy efficient building and smart building.	Explain about the Zero hunger(SDG 2) and clean water and sanitation (SDG 6).	OR	Explain concept of i) Clean city ii) Safe city	Discuss the Functional elements of Solid waste management	Module 2	olain any two with neat sketches.	Discuss about the types of foundations used in the building	Write about the Properties of Concrete & applications of Mortar.	OR	of stairs	Discuss the importance of the following fields of Civil Engineering. a) Geotechnical Engineering and b) Environmental Engineering	Module		Questions
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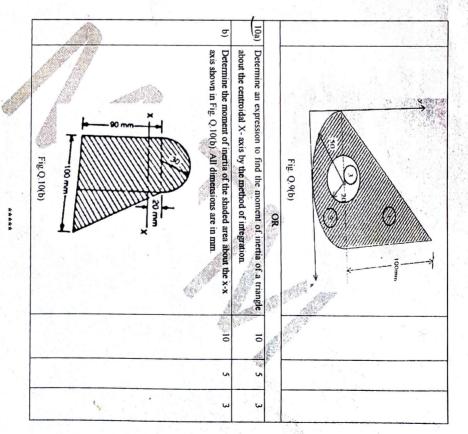
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