

M.E. Civil (Structure, Construction Management, Hydrolic, Geo-Tech., Enviornmental Engg.)
October/April 20 .



University of Pune

Seat No.

Sr. No.

EXAMINATION FOR DEGREE IN MASTER OF ENGINEERING (REVISED 2008 COURSE)

UNIPUNE ID No.

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

(Number given by Eligibility Section)

To,
THE CONTROLLER OF EXAMINATIONS,
UNIVERSITY OF PUNE,
Pune-411007.

Sir,

I request permission to present myself for the Examination in Master of Engineering ()
2008 Course to be held in October/April, 20 , and pay herewith the prescribed Fee Rs. ()
I desire to offer the undermentioned papers for Sem. (I/II/III/IV) Examination.

I am submitting Dissertation of the Topic

Yours faithfully,

Date :

Signature

Branch :

College :

Male

 1

Centre :

Female

 2

Name :

(in Capital Letters)

Surname

First Name Father's/Husband's Name

Mother Name

South Indians/Other should enter the Name in Usual Form

Name in Devnagari Script

Date of Registration as Post-graduate Students :

Particulars of that Registration :

Date of Passing B.E. Examination :

Year and Month

Branch

Seat No.

University

Date of Obtaining Bachelor Degree :

Last Appearance at M.C.A. (Engineering) Examination : Month

Year

Seat No.

PRN

(Copy of last appearance of M.E. Examination should be enclosed).

[P.T.O.]

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CERTIFICATE BY RECOGNISED TEACHER / GUIDE

I certify that Shri./Smt.
 has worked under my direction for two/four academic terms from to
 in College / Institute / Department and that the Dissertation
 on a synopsis of which has been signed by me is entirely the
 work of the candidate and has been approved by the University.

Signature

.....
 (Signature of the Guide)

Designation

CERTIFICATE BY THE HEAD/PRINCIPAL OF THE INSTITUTION / COLLEGE

I certify that Shri./Smt.....
 has satisfactorily kept the term He/She has my permission to appear for the Examination.

Signature

Designation

Address for Correspondence :.....

M.E. CIVIL STRUCTURE (2008 COURSE)

SEMESTER I

SEMESTER II

Code	Subject	Paper	T/W	Oral	Pract.	Code	Subject	Paper	T/W	Oral	Pract.
501401	Structural Mathematics	<input type="checkbox"/>	—	—	—	501408	Theory of Plates and Shells	<input type="checkbox"/>	—	—	—
501402	Advanced Solid Mechanics	<input type="checkbox"/>	—	—	—	501409	Finite Element Method	<input type="checkbox"/>	—	—	—
501403	Structural Dynamics	<input type="checkbox"/>	—	—	—	501410	Management in Structural Engg.	<input type="checkbox"/>	—	—	—
501404	Elective I (any <i>One</i>)					501411	Elective III (any <i>One</i>)				
	(a) Advanced Design of Concrete Structures	<input type="checkbox"/>	—	—	—		(a) Earthquake Resistant Design of Structures	<input type="checkbox"/>	—	—	—
	(b) Structural Design of Concrete Bridges	<input type="checkbox"/>	—	—	—		(b) Structural Stability	<input type="checkbox"/>	—	—	—
	(c) Design of Composite Construction	<input type="checkbox"/>	—	—	—		(c) Structural Reliability	<input type="checkbox"/>	—	—	—
	(d) Design of Foundations	<input type="checkbox"/>	—	—	—		(d) Non-linear Analysis of Structures	<input type="checkbox"/>	—	—	—
501405	Elective II (any <i>One</i>)	<input type="checkbox"/>	—	—	—	501412	Elective IV (Open) (any <i>One</i>)	<input type="checkbox"/>	—	—	—
	(a) Advanced Design of Metal Structures	<input type="checkbox"/>	—	—	—		(a) Mechanics of Modern Materials	<input type="checkbox"/>	—	—	—
	(b) Structural Design of Steel Bridges	<input type="checkbox"/>	—	—	—		(b) Theory of Plasticity	<input type="checkbox"/>	—	—	—
	(c) Plastic Analysis and Design of Steel Structures	<input type="checkbox"/>	—	—	—		(c) Bio-mechanics & Materials	<input type="checkbox"/>	—	—	—
	(d) Design of Industrial Steel Structures	<input type="checkbox"/>	—	—	—		(d) Optimization Techniques	<input type="checkbox"/>	—	—	—
501406	Lab. Practice I	—	<input type="checkbox"/>	—	—	501413	Lab. Practice II	—	<input type="checkbox"/>	—	—
501407	Seminar I	—	<input type="checkbox"/>	—	—	501414	Seminar II	—	<input type="checkbox"/>	—	—

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SEMESTER III

SEMESTER IV

Code	Subject	Paper	T/W	Oral	Pract.	Code	Subject	Project	T/W	Oral	Pract.
501415	Seminar III	—	<input type="checkbox"/>	—	—	501417	Project Stage II	<input type="checkbox"/>	—	<input type="checkbox"/>	—
501416	Project Stage I	—	<input type="checkbox"/>	—	—						

M.E. CIVIL (CONSTRUCTION & MANAGEMENT) (2008 COURSE)

SEMESTER I

SEMESTER II

Code	Subject	Paper	T/W	Oral	Pract.	Code	Subject	Paper	T/W	Oral	Pract.
501101	Mathematics	<input type="checkbox"/>	—	—	—	501108	Construction Contracts Administration & Management	<input type="checkbox"/>	—	—	—
501102	Management and Project Planning in Construction	<input type="checkbox"/>	—	—	—	501109	Project Economics & Financial Management	<input type="checkbox"/>	—	—	—
501103	Construction Technology	<input type="checkbox"/>	—	—	—	501110	Operation Research	<input type="checkbox"/>	—	—	—
501104	Elective I (any <i>One</i>)					501111	Elective III (any <i>One</i>)				
	(a) New Construction Materials	<input type="checkbox"/>	—	—	—		(a) Advanced Construction Technology	<input type="checkbox"/>	—	—	—
	(b) Disaster Management	<input type="checkbox"/>	—	—	—		(b) Infrastructure Development	<input type="checkbox"/>	—	—	—
	(c) Repairs, Rehabilitation, Retrofitting of Structures	<input type="checkbox"/>	—	—	—		(c) International Contracting	<input type="checkbox"/>	—	—	—
	(d) Construction Safety	<input type="checkbox"/>	—	—	—						
501105	Elective II (any <i>One</i>)					501112	Elective IV (Open)	<input type="checkbox"/>	—	—	—
	(a) Resources Management	<input type="checkbox"/>	—	—	—						
	(b) TQM in Construction	<input type="checkbox"/>	—	—	—						
	(c) Value Engineering	<input type="checkbox"/>	—	—	—						
	(d) Project Risk Analysis & Mitigation Techniques	<input type="checkbox"/>	—	—	—						
501106	Lab. Practice I	—	<input type="checkbox"/>	—	—	501113	Lab. Practice II	—	<input type="checkbox"/>	—	—
501107	Seminar I	—	<input type="checkbox"/>	—	—	501114	Seminar II	—	<input type="checkbox"/>	—	—

SEMESTER III

SEMESTER IV

Code	Subject	Paper	T/W	Oral	Pract.	Code	Subject	Project	T/W	Oral	Pract.
501115	Seminar III	—	<input type="checkbox"/>	—	—	501117	Project Stage II	<input type="checkbox"/>	—	<input type="checkbox"/>	—
501116	Project Stage I	—	<input type="checkbox"/>	—	—						

M.E. CIVIL (HYDRAULICS) (2008 COURSE)

SEMESTER I

SEMESTER II

Code	Subject	Paper	T/W	Oral	Pract.	Code	Subject	Paper	T/W	Oral	Pract.
501301	Computational Methods in Hydraulics	<input type="checkbox"/>	—	—	—	501308	Open Channel Hydraulics	<input type="checkbox"/>	—	—	—
501302	Water Resource Planning and Management	<input type="checkbox"/>	—	—	—	501309	Hydrology	<input type="checkbox"/>	—	—	—
501303	Fluid Mechanics	<input type="checkbox"/>	—	—	—	501310	Sediment Transport & River Mechanics	<input type="checkbox"/>	—	—	—

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501304	Elective I (any <i>One</i>)					501311	Elective III (any <i>One</i>)				
	(a) Remote Sensing & GIS in Water Resource Engineering	<input type="checkbox"/>	—	—	—		(a) Irrigation & Drainage	<input type="checkbox"/>	—	—	—
	(b) Dam Engineering	<input type="checkbox"/>	—	—	—		(b) Coastal Engineering	<input type="checkbox"/>	—	—	—
	(c) Systems Techniques in Water Resource Engineering	<input type="checkbox"/>	—	—	—		(c) Water Management & Conveyance System	<input type="checkbox"/>	—	—	—
501305	Elective II (any <i>One</i>)	<input type="checkbox"/>	—	—	—	501312	Elective IV (Open)	<input type="checkbox"/>	—	—	—
	(a) Closed Conduit Flow	<input type="checkbox"/>	—	—	—						
	(b) Hydro Informatics & Simulation	<input type="checkbox"/>	—	—	—						
	(c) Hydropower	<input type="checkbox"/>	—	—	—						
501306	Lab. Practice I	—	<input type="checkbox"/>	—	—	501313	Lab. Practice II	—	<input type="checkbox"/>	—	—
501307	Seminar I	—	<input type="checkbox"/>	—	—	501314	Seminar II	—	<input type="checkbox"/>	—	—

SEMESTER III

Code	Subject	Paper	T/W	Oral	Pract.
501115	Seminar III	—	<input type="checkbox"/>	—	—
501116	Project Stage I	—	<input type="checkbox"/>	—	—

SEMESTER IV

Code	Subject	Project	T/W	Oral	Pract.
501117	Project Stage II	<input type="checkbox"/>	—	<input type="checkbox"/>	—

M.E. CIVIL (GEO-TECH) (2008 COURSE)

SEMESTER I

Code	Subject	Paper	T/W	Oral	Pract.
8101	Mathematics	<input type="checkbox"/>	—	—	—
8102	Systems Approach to Management & Development of Human Resources	<input type="checkbox"/>	—	—	—
8103	Engineering Behaviour of Soils	<input type="checkbox"/>	—	—	—
8104	Elective I				
8105	Elective II	<input type="checkbox"/>	—	—	—
8106	Lab. Practice I	—	<input type="checkbox"/>	—	—
8107	Seminar I	—	<input type="checkbox"/>	—	—

SEMESTER II

Code	Subject	Paper	T/W	Oral	Pract.
8208	Finite Element Methods in Geotechnical Engineering	<input type="checkbox"/>	—	—	—
8209	Reinforce Earth and Geosynthesics	<input type="checkbox"/>	—	—	—
8210	Foundation Design and Detailing	<input type="checkbox"/>	—	—	—
8211	Elective III				
8212	Elective IV (Open)	<input type="checkbox"/>	—	—	—
8213	Lab. Practice II	—	<input type="checkbox"/>	—	—
8214	Seminar II	—	<input type="checkbox"/>	—	—

SEMESTER III

Code	Subject	Paper	T/W	Oral	Pract.
8315	Seminar III	—	<input type="checkbox"/>	—	—
8316	Project Stage I	—	<input type="checkbox"/>	—	—

SEMESTER IV

Code	Subject	Project	T/W	Oral	Pract.
8317	Project Stage II	<input type="checkbox"/>	—	<input type="checkbox"/>	—

8104—Elective I (any *One*)

1. Applied Soil Mechanics
2. Rock Mechanics and Tunnelling
3. Site Investigations and Ground Improvement
4. Shallow and Deep Foundations

8105—Elective II (any *One*)

1. Soil Stabilization
2. Soil Structure Interaction
3. Geoenvironmental Engineering
4. Earth Pressure and Retaining Structures

8211—Elective III (any *One*)

1. Slope Stability and Earth Dams
2. Geosynthesics
3. Geotechnical Earthquakes Engineering
4. Foundations of Offshore Structures

8212—Elective IV (Open**) (any *One*)**

1. Geotechnical Engineering Survey
2. Slopes and Foundations
3. Geotechnical Processes in Rock Engineering
4. Numerical Methods

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M.E. Civil (Environmental Engineering) (2010 Course)

SEMESTER I

SEMESTER II

Code	Subject	Paper	T/W	Oral	Pract.	Code	Subject	Paper	T/W	Oral	Pract.
501501	Numerical Methods and Applied Statistics	<input type="checkbox"/>	—	—	—		Industrial Waste Water Management	<input type="checkbox"/>	—	—	—
501502	Air Pollution & Control	<input type="checkbox"/>	—	—	—		Environmental Chemistry and Micro-Biology	<input type="checkbox"/>	—	—	—
501503	Physico Chemical Process for Water & Waste Water Treatment	<input type="checkbox"/>	—	—	—		Solid Waste & Hazardous Waste Management	<input type="checkbox"/>	—	—	—
501504	Elective I (any <i>One</i>)						Elective III (any <i>One</i>)				
	(a) Air & Water Quality Concrete Structures	<input type="checkbox"/>	—	—	—		(a) Ground Water Contamination & Pollution Transport	<input type="checkbox"/>	—	—	—
	(b) Environmental Legislation & Management System						(b) Agricultural Pollution Control & Environmental Biotechnology				
	(c) Environmental Impact Assessment and Management						(c) Environmental Sanitation				
501505	Elective II (any <i>One</i>)						Elective IV (Open)				
	(a) Occupations Safety & Health	<input type="checkbox"/>	—	—	—		Environmental Sanitation	<input type="checkbox"/>	—	—	—
	(b) Principles and Design of Biological Treatment System	<input type="checkbox"/>	—	—	—						
	(c) Environmental Risk Assessment and Management	<input type="checkbox"/>	—	—	—						
501506	Lab. Practice I	—	<input type="checkbox"/>	—	—		Lab. Practice II	—	<input type="checkbox"/>	—	—
501507	Seminar I	—	<input type="checkbox"/>	—	—		Seminar II	—	<input type="checkbox"/>	—	—

SEMESTER III

SEMESTER IV

Code	Subject	Paper	T/W	Oral	Pract.	Code	Subject	Paper	T/W	Oral	Pract.
501501	Semester III	—	<input type="checkbox"/>	—	—		Project Stage II	—	<input type="checkbox"/>	<input type="checkbox"/>	—
501502	Project Stage I	—	<input type="checkbox"/>	—	—						