



University of Pune

EXAMINATION FOR DEGREE IN MASTER OF ENGINEERING (REVISED 2002 COURSE)

EXAMINATION FEE
Rs. 1440/- PER SEMESTER + Exam. Form Rs. 30/-

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

Sir,
I request permission to present myself for the Examination in Master of Engineering ()
Revised 2002 Course to be held in October/April, 200 , 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 Letter) Surname First Name Father's/Husband's Name

South Indians/Other should enter the Name in Usual Form

.....
Mother's Name

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 B.E. Degree :

Last Appearance at M.E. Examination :
Month Year Seat No.

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

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 OF THE INSTITUTION / COLLEGE

I certify that Shri./Smt.
has satisfactorily attended a course of lectures for each of papers. He/She has
my permission to appear for the Examination.

Signature

Designation

Address for Correspondence :
.....

M.E. (Production Engineering)

Semester I				Semester II			
	PP	TW	Oral		PP	TW	Oral
Advanced Mathematical Methods	<input type="checkbox"/>	—	—	Hard & Soft Automation	<input type="checkbox"/>	—	—
Microprocessor Applications	<input type="checkbox"/>	—	—	Robotics & Its Industrial Applications	<input type="checkbox"/>	—	—
Advanced Machine Tool Design	<input type="checkbox"/>	—	—	CIM & Advanced Manufacturing Processes	<input type="checkbox"/>	—	—
CAD/CAM/FMS	<input type="checkbox"/>	—	—	Elective I	<input type="checkbox"/>	—	—
Lab. Practice I	—	<input type="checkbox"/>	—	Elective II	<input type="checkbox"/>	—	—
				Lab. Practice II	—	<input type="checkbox"/>	—
				Seminar I	—	<input type="checkbox"/>	—
Semester III				Semester IV			
Seminar II			<input type="checkbox"/>	Seminar III	—	<input type="checkbox"/>	—
				Dissertation	—	<input type="checkbox"/>	<input type="checkbox"/>

**Electives I*

- (a) Advanced Welding Techniques
- (b) Tribology
- (c) Human Factors in Design & Manufacturing

M.E. (Instrumentation) Process Instrumentation

Semester I			Semester II			
	PP	TW		PP	TW	Oral
Advanced Mathematics	<input type="checkbox"/>	—	Control System	<input type="checkbox"/>	—	—
Transducer Design	<input type="checkbox"/>	—	Applications of DSP	<input type="checkbox"/>	—	—
Control System			Micro controller	<input type="checkbox"/>	—	—
Advanced Electronic Instru.	<input type="checkbox"/>	—	Applicatoin in Instrumentation			
AI. & Robotics	<input type="checkbox"/>	—	Advanced Process Instru.	<input type="checkbox"/>	—	—
Instrumentation Lab I	—	<input type="checkbox"/>	Elective	<input type="checkbox"/>	—	—
			Instrumentation Lab II	—	<input type="checkbox"/>	—
			Seminar I	—	<input type="checkbox"/>	—
Semester III			Semester IV			
Seminar II		<input type="checkbox"/>	Seminar III	—	<input type="checkbox"/>	—
			Dissertation	—	<input type="checkbox"/>	<input type="checkbox"/>

*Elective I

- (a) Applied Instrumentation
 (b) Advance Techniques in Modeling & Optimization
 (c) Instrumentation for Strategic Application
-

M.E. (Instrumentation) Bio-medical Instrumentation

Semester I			Semester II			
	PP	TW		PP	TW	Oral
Advanced Mathematics	<input type="checkbox"/>	—	Control System	<input type="checkbox"/>	—	—
Transducer Design	<input type="checkbox"/>	—	Applications of DSP	<input type="checkbox"/>	—	—
Advanced Electronic Instru.	<input type="checkbox"/>	—	Micro controller	<input type="checkbox"/>	—	—
AI. & Robotics	<input type="checkbox"/>	—	Applicatoin in Instrumentation			
Instrumentation Lab I	—	<input type="checkbox"/>	Advanced Medical Instru.	<input type="checkbox"/>	—	—
			Elective	<input type="checkbox"/>	—	—
			Instrumentation Lab. II	—	<input type="checkbox"/>	—
			Seminar I	—	<input type="checkbox"/>	—
Semester III			Semester IV			
Seminar II		<input type="checkbox"/>	Seminar III	—	<input type="checkbox"/>	—
			Dissertation	—	<input type="checkbox"/>	<input type="checkbox"/>

*Elective I

- (a) Ultrasonic Applications in Bioengineering
 (b) Lasers in Medicine
-

M.E. (Computer Engineering)

Semester I				Semester II			
	PP	TW	Oral		PP	TW	Oral
Advanced in Computer Network	<input type="checkbox"/>	—	—	Advanced Database Management System	<input type="checkbox"/>	—	—
Distributed Operating System	<input type="checkbox"/>	—	—	Mobile Computing	<input type="checkbox"/>	—	—
Advanced Computer Architecture	<input type="checkbox"/>	—	—	Geometric & Solids Modeling			
Applied Algorithms	<input type="checkbox"/>	—	—	Elective I	<input type="checkbox"/>	—	—
Laboratory Practice I	—	<input type="checkbox"/>	—	Elective II	<input type="checkbox"/>	—	—
				Laboratory Practice II	—	<input type="checkbox"/>	—
				Seminar	—	<input type="checkbox"/>	—
Semester III				Semester IV			
Seminar II		<input type="checkbox"/>		Seminar III (Dissertation)	—	<input type="checkbox"/>	—
				Dissertation	—	<input type="checkbox"/>	<input type="checkbox"/>
<i>*Elective I</i>				<i>*Elective</i>			
(a) Network Security				(a) Embedded System Design			
(b) Intelligent System				(b) Advances in Compiler Techniques			
(c) Speech Processing				(c) Bio-Informatics			

M.E. (Information Technology)

Semester I				Semester II			
	PP	TW	Oral		PP	TW	Oral
Operating System	<input type="checkbox"/>	—	—	Mobile Computing	<input type="checkbox"/>	—	—
Software Engineering	<input type="checkbox"/>	—	—	Human Computing Interface	<input type="checkbox"/>	—	—
Net Centric Computing	<input type="checkbox"/>	—	—	Adv. Internet Tech.	<input type="checkbox"/>	—	—
Advanced Database System	<input type="checkbox"/>	—	—	Elective I	<input type="checkbox"/>	—	—
Software Skills I	—	<input type="checkbox"/>	—	Elective II	<input type="checkbox"/>	—	—
Practice I				Software Skills II	—	<input type="checkbox"/>	—
				Seminar I	—	<input type="checkbox"/>	—
Semester III				Semester IV			
Seminar II			<input type="checkbox"/>	Seminar III (Dissertation)	—	<input type="checkbox"/>	—
				Dissertation	—	<input type="checkbox"/>	<input type="checkbox"/>
<i>*Elective I</i>				<i>*Elective</i>			
(a) Operations research & States				(a) Embedded System			
(b) Intelligent System				(b) Dataware Housing & Data mining			
(c) Object Oriented System				(c) ERP-EC			
(d) Computer Algorithms for Signal Processing				(d) Bio-Informatics			

M.E. (Petroleum Engineering)

Semester I				Semester II			
	PP	TW	Oral		PP	TW	Oral
Numerical Methods and Simulation in Petroleum Engg.	<input type="checkbox"/>	—	—	Geographical Information Systems and Computer Applications in Petroleum Industry	<input type="checkbox"/>	—	—
Horizontal and Multilateral Drilling	<input type="checkbox"/>	—	—	Environment Management Technology and Safety Procedures	<input type="checkbox"/>	—	—
Artificial Lift and Stimulation Techniques	<input type="checkbox"/>	—	—	Offshore Technology	<input type="checkbox"/>	—	—
Reservoir Characterisation and Management	<input type="checkbox"/>	—	—	Elective I	<input type="checkbox"/>	—	—
Laboratory Practice I	—	<input type="checkbox"/>	—	Elective II	<input type="checkbox"/>	—	—
				Laboratory Practice I	—	<input type="checkbox"/>	—
				Seminar I	—	<input type="checkbox"/>	—
Semester III				Semester IV			
Seminar II			<input type="checkbox"/>	Seminar III (Dissertation)	—	<input type="checkbox"/>	—
				Dissertation	—	<input type="checkbox"/>	<input type="checkbox"/>

**Electives I*

- (a) Well Control
- (b) Well Testing and Analysis
- (c) Reservoir Monitoring and Log Analysis
- (d) Advanced Geological Methods in Exploration and Production
- (e) Advanced Reservoir Petrophysics
- (f) Enhanced Oil Recovery

**Elective II*

- (a) Advanced Natural Gas Engine and Technology
- (b) Technology of Coal Bed Methane
- (c) Technology of Gas Hydrates
- (d) Analytical Techniques in Petroleum Geochemistry
- (e) International Business Strategies and Risk Analysis