

M.E. Computer Engg.
CSE (Information Technology)
Petroleum & Petrochemical Engineering

Seat No :

October/April 200 .

Sr. No. :



University of Pune

EXAMINATION FOR DEGREE IN MASTER OF ENGINEERING (REVISED 2008 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 ()
2008 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 Mother's 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 B.E. Degree :

Last Appearance at M.E. Examination :

Month

Year

Seat No.

P.R.N.

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

[P.T.O.]

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 of the Guide) Signature
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 :
.....

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M. E. Computer Engineering
2008 Course

Sub. Code	Subject	Paper	TW	Oral	Pract.	Sub. Code	Subject	Paper	TW	Oral	Pract.
Term - I						Term - II					
510101	Applied Algorithms	<input type="checkbox"/>	—	—	—	510108	Distributed System	<input type="checkbox"/>	—	—	—
510102	Emerging trends in Computer Architecture	<input type="checkbox"/>	—	—	—	510109	High Performance Database Systems	<input type="checkbox"/>	—	—	—
510103	Principles and Practices for IT Management	<input type="checkbox"/>	—	—	—	510110	Network Design, Modeling and Analysis	<input type="checkbox"/>	—	—	—
510104	Elective - I	<input type="checkbox"/>	—	—	—	510111	Elective - III	<input type="checkbox"/>	—	—	—
510105	Elective - II	<input type="checkbox"/>	—	—	—	510112	Elective - IV	<input type="checkbox"/>	—	—	—
510106	Laboratory Practice - I	—	<input type="checkbox"/>	—	—	510113	Laboratory Practice-II	—	<input type="checkbox"/>	—	—
510107	Seminar - I	—	<input type="checkbox"/>	—	—	510114	Seminar - II	—	<input type="checkbox"/>	—	—
Term - III						Term - IV					
510115	Seminar - III	—	<input type="checkbox"/>	—	—	510116	Project stage - II	—	<input type="checkbox"/>	<input type="checkbox"/>	—
510116	Project stage - I	—	<input type="checkbox"/>	—	—						

- Elective - I***
- 510104A Advance Software Engineering
 - 510104B Intelligent Systems
 - 510104C Internet Routing Design
 - 510104D Mobile Computing

- Elective - II***
- 510111A Software Design and Architecture
 - 510111B Pattern Recognition and Machine Vision
 - 510111C Network Programming
 - 510111D Advanced Internet Programming

M.E. CSE (Information Technology)
2008 Course

Sub. Code	Subject	Paper	TW	Oral	Pract.	Sub. Code	Subject	Paper	TW	Oral	Pract.
Term - I						Term - II					
514401	Performance and Evaluation of Computer Systems	<input type="checkbox"/>	—	—	—	514408	Advanced Computer Architecture	<input type="checkbox"/>	—	—	—
514402	Software Engineering Methodologies	<input type="checkbox"/>	—	—	—	514409	Advanced Trends in Database Systems	<input type="checkbox"/>	—	—	—
514403	Advanced Operating Systems	<input type="checkbox"/>	—	—	—	514410	Information Technology Project Management	<input type="checkbox"/>	—	—	—
514404	Elective - I	<input type="checkbox"/>	—	—	—	514411	Elective - III	<input type="checkbox"/>	—	—	—
514405	Elective - II	<input type="checkbox"/>	—	—	—	514412	Elective - IV	<input type="checkbox"/>	—	—	—
514406	Laboratory Practice - I	—	<input type="checkbox"/>	—	—	514413	Laboratory Practice - II	—	<input type="checkbox"/>	—	—
514407	Seminar - I	—	<input type="checkbox"/>	—	—	514414	Seminar - II	—	<input type="checkbox"/>	—	—
Term - III						Term - IV					
514415	Seminar - III	—	<input type="checkbox"/>	—	—	514416	Project stage - II	—	<input type="checkbox"/>	<input type="checkbox"/>	—
514416	Project stage - I	—	<input type="checkbox"/>	—	—						

Elective - I

514404A	Software Architecture
514404B	Real Time and Embedded Systems
514404C	Adhoc Networks

Elective - III

514411A	Internet and Web Technologies
514411B	Advanced Topics in Operating Systems
514411C	Mobile computing and M Commerce
514411D	User Interfaces Design

Elective - II

514405A	Information Assurance and Security
514405B	Compiler Design
514405C	Geographical Information Systems

Elective - IV

514412A	Component Based Development
514412B	Advanced Network Programming
514412C	High Performance Computer Networks
514412D	Open Elective II (Self Study)**/ Service Oriented Architecture

M. E. (Petroleum Engineering)
Revised Two Year Course (2008)

Sub. Code	Subject	Paper	TW	Oral	Pract.	Sub. Code	Subject	Paper	TW	Oral	Pract.
Sem. - I						Sem. - II					
512101	Numerical Methods and simulation in Petroleum Engineering	<input type="checkbox"/>	—	—	—	512108	Gis and Computer Applications in Petroleum Industry	<input type="checkbox"/>	—	—	—
512102	Petroleum Reservoir Management	<input type="checkbox"/>	—	—	—	512109	Environmental Management Technology and Safety Measures	<input type="checkbox"/>	—	—	—
512103	Horizontal, Multilateral & intelligent wells	<input type="checkbox"/>	—	—	—	512110	Advanced Natural Gas Engineering	<input type="checkbox"/>	—	—	—
512104	Elective I	<input type="checkbox"/>	—	—	—	512111	Elective III	<input type="checkbox"/>	—	—	—
512105	Elective II	<input type="checkbox"/>	—	—	—	512112	Elective IV (Open)	<input type="checkbox"/>	—	—	—
512106	Lab Practice I	—	<input type="checkbox"/>	—	—	512113	Lab Practice II	—	<input type="checkbox"/>	—	—
512107	Seminar I	—	<input type="checkbox"/>	—	—	512114	Seminar II	—	<input type="checkbox"/>	—	—
Sem. - III						Sem. - IV					
512115	Seminar III	—	<input type="checkbox"/>	—	—	512116	Project Stage II	—	<input type="checkbox"/>	<input type="checkbox"/>	—
512116	Project Stage I	—	<input type="checkbox"/>	—	—						

512104 Elective I

- a) Advanced Geological Methods in Petroleum Exploration and Development
- b) Reservoir Petrophysics
- c) Oil and Gas Field Development
- d) Petroleum Business Strategies and Risk Analysis

512105 Elective II

- a) Modern Completion Technology
- b) Well Design and Engineering
- c) Well Testing and Analysis
- d) Well control

512111 Elective III

- a) Artificial Lift Techniques
- b) Advanced Stimulation Techniques
- c) Piping Design and Engineering
- d) Advanced Offshore Technology

512112 Elective IV (Open)

- a) Technology of Coal Bed Methane
- b) Unconventional Hydrocarbon Resources and Development Strategies
- c) Open elective, can be taken from any branch of elective

M. E. (Petrochemical Engineering)
Revised Two Year Course (2008)

Sub. Code	Subject	Paper	TW	Oral	Pract.	Sub. Code	Subject	Paper	TW	Oral	Pract.
Sem. - I						Sem. - II					
512201	Advances in Petroleum Refining	<input type="checkbox"/>	—	—	—	512208	Applied Process Design for Petrochemical Plants	<input type="checkbox"/>	—	—	—
512202	Advanced Transport Phenomena	<input type="checkbox"/>	—	—	—	512209	Safety, Health and Environment in Petrochemical Plants	<input type="checkbox"/>	—	—	—
512203	Mathematical Methods in Petrochemical Engineering	<input type="checkbox"/>	—	—	—	512210	Advanced Process Control	<input type="checkbox"/>	—	—	—
512204	Elective I	<input type="checkbox"/>	—	—	—	512111	Elective III	<input type="checkbox"/>	—	—	—
512205	Elective II	<input type="checkbox"/>	—	—	—	512112	Elective IV (Open)	<input type="checkbox"/>	—	—	—
512206	Lab Practice I	—	<input type="checkbox"/>	—	—	512113	Lab Practice II	—	<input type="checkbox"/>	—	—
512207	Seminar I	—	<input type="checkbox"/>	—	—	512114	Seminar II	—	<input type="checkbox"/>	—	—
Sem. - III						Sem. - IV					
512215	Seminar III	—	<input type="checkbox"/>	—	—	512216	Project Stage II	—	<input type="checkbox"/>	<input type="checkbox"/>	—
512216	Project Stage I	—	<input type="checkbox"/>	—	—						

512204 Elective I

- a) Advanced Petrochemical Processes
- b) Petroleum Exploration, Drilling and Production
- c) Fuels, Combustion and Gasification Technology

512105 Elective II

- a) Novel Separation Techniques.
- b) Principles of Green Technologies
- c) Energy Engineering

512211 Elective III

- a) Modeling and Simulation of Petrochemical Processes
- b) Piping Design and Engineering
- c) Advanced Natural Gas Technology

512212 Elective IV (Open)

- a) Catalysis and Catalytic Reactor Design
- b) Multiphase Reactor Design
- c) Polymerization Process Modeling
- d) Any other elective from other branches