M.E. Electronics (Digital System)
Electrical (Control System)
Electrical (Power System) Production

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/-

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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,

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Date of Passing B.E. Examination : Year and Month Branch Seat No.

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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 .....

.....

(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. Electronics (Digital System)

2008 Coruse

Sub. Code	Subject	Paper	TW	Oral	Pract.	Sub. Code	Subject	Paper	TW	Oral	Pract.
	Sem. - I						**Sem. - II**				
504195	Microelectronics	☐	—	—	—	504201	Embedded Systems	☐	—	—	—
504182	Principles and Practices for IT Management	☐	—	—	—	504202	Communication Network and Security	☐	—	—	—
504196	Signal Processing Architectures	☐	—	—	—	504203	Image Processing and Pattern Recognition	☐	—	—	—
504197	Elective - I	☐	—	—	—	504204	Elective III	☐	—	—	—
504198	Elective - II	☐	—	—	—	504205	Elective IV (Open)	☐	—	—	—
504199	Digital System Design Practice I	—	☐	—	—	504206	Digital System Design Practice II	—	☐	—	—
504200	Seminar I	—	☐	—	—	504207	Seminar II	—	☐	—	—
	Sem. - III						**Sem. - IV**				
604184	Seminar III	—	☐	—	—	604186	Project Stage II	—	☐	☐	—
604186	Project Stage I	—	☐	—	—						

Elective I :

1. Fault Tolerant System Design
2. Advanced Digital System Design
3. Wireless and Mobile Technologies

Elective II :

1. Machine Intelligence
2. Advanced Computing Architectures
3. Memory Technologies

Elective III :

1. Digital Systems using PLDs
2. Biomedical Signals and Systems
3. Embedded video processing

Elective IV (OPEN) :

1. Reconfigurable Computing
2. Embedded Automotive Systems
3. Digital Signal Compression

Any one subject of Elective IV from the following branches

1. Computer Engineering
2. Information Technology

M.E. Electrical (Control System)
(2008 Course)

Sub. Code	Subject	Paper	TW	Oral	Pract.	Sub. Code	Subject	Paper	TW	Oral	Pract.
	Sem - I						**Sem - II**				
503101	Advance Mathematical Technique for Control System	☐	—	—	—	503108	Multivariable & Optimal Control System	☐	—	—	—
503102	Process Control Management	☐	—	—	—	503109	System Identification & Adaptive Control	☐	—	—	—
503103	Nonlinear Control System	☐	—	—	—	503110	Advanced Digital Control Technique	☐	—	—	—
503104	Elective - I	☐	—	—	—	503111	Elective - III	☐	—	—	—
503105	Elective - II	☐	—	—	—	503112	Elective - IV (Open)	☐	—	—	—
503106	Lab. Practice - I	—	☐	—	—	503113	Lab. Practice - II	—	☐	—	—
503107	Seminar - I	—	☐	—	—	503114	Seminar - II	—	☐	—	—
	Sem - III						**Sem - IV**				
603101	Seminar - III	—	☐	—	—	603102	Project Stage - II	—	☐	☐	—
603102	Project Stage - I	—	☐	—	—						

Elective - I

i) Automation & Robotics
ii) Modeling & Dynamic System
iii) SCADA System & Applications

Elective - II

i) Advanced Topics in Control Systems
ii) Computer Aided Control Systems Design.

Elective - III

i) Robust Control Systems
ii) Stochastics Dynamical Systems
iii) Large Scale System

Elective - IV

i) Intelligent Control
ii) Advanced Drives & Control
iii) Open *

M. E. Electrical (Power Systems)
(2008 Course)

Sub. Code	Subject	Paper	TW	Oral	Pract.	Sub. Code	Subject	Paper	TW	Oral	Pract.
	Sem. - I						**Sem. - II**				
503201	Computer Applications in Power Systems	☐	—	—	—	503208	Power System Dynamics	☐	—	—	—
503202	Power Sector Economics, Management and Restructuring	☐	—	—	—	503209	Power System Planning & Reliability	☐	—	—	—
503203	Power System Modeling	☐	—	—	—	503210	High Voltage Power Transmission	☐	—	—	—
503204	Elective - I	☐	—	—	—	503211	Elective - III	☐	—	—	—
503205	Elective - II	☐	—	—	—	503212	Elective - IV	☐	—	—	—
503206	Lab-Practice - I	—	☐	—	—	503213	Lab-Practice - II	—	☐	—	—
503207	Seminar - I	—	☐	—	—	503214	Seminar - II	—	☐	—	—
	Sem. - III						**Sem - IV**				
603201	Seminar III	—	☐	—	—	603202	Project Stage - II	—	☐	☐	—
603202	Project Stage - I	—	☐	—	—						

Elective - I

i) Digital Signal Processing and its Applications

ii) Advanced Power Electronics

Elective - II

i) Artificial intelligence and its applications in Power Systems.

ii) Renewable Energy Sources

Elective - III

i) Digital Power System Protection

ii) Power Electronics Applications in Power Systems

Elective - IV

i) Power Quality Assessment and Mitigation

ii) Partial Discharges in Electrical Power Apparatus

iii) Open *

ME Production Engineering
(2008 Course)

Sub. Code	Subject	Paper	TW	Oral	Pract.	Sub. Code	Subject	Paper	TW	Oral	Pract.
	Sem. - I						**Sem. - II**				
511101	Mathematics & Statistics	☐	—	—	—	511108	Material Technology	☐	—	—	—
511102	CAD/CAM/CIM	☐	—	—	—	511109	Manufacturing Management	☐	—	—	—
511103	Advance manufacturing Processes	☐	—	—	—	511110	Industrial Automation	☐	—	—	—
511104	Elective I	☐	—	—	—	511111	Elective III	☐	—	—	—
511105	Elective II	☐	—	—	—	511112	Elective IV (Open)	☐	—	—	—
511106	Lab Practice I	—	☐	—	—	511113	Lab Practice II	—	☐	—	—
511107	Seminar I	—	☐	—	—	511114	Seminar II	—	☐	—	—
	Sem. - III						**Sem. - IV**				
611101	Seminar III	—	☐	—	—	611103	Project Stage II	—	☐	☐	—
611102	Project Stage I	—	☐	—	—						

Elective I

1. Advance Mechatronics
2. Reliability & Failure Analysis
3. Supply Chain Management
4. Advance Machine Tool Design

Elective II

1. Advance Robotics
2. Sheet Metal processing
3. Tool and Die Design
4. Engineering Economics & Accounting

Elective III

1. Plastics Processing
2. Product Life Cycle Management
3. Welding & Joining,
4. Surface Treatment Processes

Elective IV

1. Optimization Techniques
2. Research methodologies
3. Intellectual Property Rights & Product Design
4. Energy Management