M.E. (Mech.) Heat Power, Design Engg., Mechatronics, Mech.(Automotive Engg.)

Seat No : .....

October/April 200 .

Sr. No. : .....

University of Pune

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 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 .....

.....

(Signature of the Guide)

Designation .....

CERTIFICATE BY THE HEAD/PRINCIPAL 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. Mechanical (Heat Power Engineering)
(For 2008 Course)

Sub. Code	Subject	Paper	TW	Oral	Pract.	Sub. Code	Subject	Paper	TW	Oral	Pract.
	Sem - I						**Sem - II**				
502101	Numerical Methods in Thermal and Fluid Engg.	☐	—	—	—	502108	Advanced Heat Transfer	☐	—	—	—
502102	Advanced Thermodynamics	☐	—	—	—	502109	Measurement Techniques & Data Analysis	☐	—	—	—
502103	Technology and Financial Management	☐	—	—	—	502110	Advanced Fluid Mechanics	☐	—	—	—
502104	Elective - I	☐	—	—	—	502111	Elective - III	☐	—	—	—
502105	Elective - II	☐	—	—	—	502112	Elective - IV	☐	—	—	—
502106	Lab. Practice - I	—	☐	—	—	502113	Lab. Pracrtice - II	—	☐	—	—
502107	Seminar - I	—	☐	—	—	502114	Seminar - II	—	☐	—	—
	Sem - III						**Sem - IV**				
602115	Seminar - III	—	☐	—	—	602117	Project Stage - II	—	☐	☐	—
602116	Project Stage - I	—	☐	—	—						

Code	***Elective - I*** (any *One*)		***Code***	***Elective - II*** (any *One*)	
502104A	Performance Assessment of Mechanical Equipments	☐	502105A	Internal Combustion Engines	☐
502104B	Refrigeration Technology	☐	502105B	Advanced Air Conditioning and Heating and Ventilation	☐
502104C	Energy Conservation and Management	☐	502105C	Conventional Power Plants	☐
502104D	Convective Heat Transfer Analysis	☐	502105D	Advanced Gas Dynamics	☐
Code	***Elective - III*** (any *One*)		***Code***	***Elective - IV*** (any *One*)	
502111A	Internal Combustion Engines - Fuels	☐	502112A	Heat Exchanger System Design and Performance	☐
502111B	Cryogenic Engineering	☐	502112B	Computational Fluid Dynamics	☐
502111C	Non Conventional Power Plants	☐	502112C	OPEN (SELF STUDY)**	☐

* Open Elective Subjects : BOS Mechanical Engineering will declare the list of subjects, which can be taken under Open Elective.

M. E. Mechanical (Design Engineering)
(For 2008 Course)

Sub. Code	Subject	Paper	TW	Oral	Pract.	Sub. Code	Subject	Paper	TW	Oral	Pract.
	Sem - I						**Sem - II**				
502201	Mathematical Modeling and Analysis	☐	—	—	—	502208	Vibration & Noise Control	☐	—	—	—
502202	Advanced Stress Analysis	☐	—	—	—	502209	Advance Machine Design	☐	—	—	—
502103	Technology and Financial Management	☐	—	—	—	502210	Analysis & Synthesis of Mechanisms	☐	—	—	—
502204	Elective - I	☐	—	—	—	502211	Elective - III	☐	—	—	—
502205	Elective - II	☐	—	—	—	502212	Elective - IV	☐	—	—	—
502206	Lab. Practice - I	—	☐	—	—	502213	Lab. Practice - II	—	☐	—	—
502207	Seminar I	—	☐	—	—	502214	Seminar - II	—	☐	—	—
	Sem - III						**Sem - IV**				
602215	Seminar - III	—	☐	—	—	602217	Project Stage - II	—	☐	☐	—
602216	Project Stage - I	—	☐	—	—						

CODE	***Elective - I*** (any *One*)		***CODE***	***Elective - II*** (any *One*)	
502204A	Instrumentation & Automatic Control	☐	502205A	Material Handling Equipment Design	☐
502204B	Advance Material Science	☐	502205B	Process Equipment Design	☐
502204C	Optimization Techniques	☐	502205C	Robotics	☐
CODE	***Elective - III*** (any *One*)		***CODE***	***Elective - IV*** (any *One*)	
502211A	Reliability Engineering	☐	502212A	Vehicle dynamics	☐
502211B	Engineering Fracture Mechanics	☐	502212B	Industrial Tribology	☐
502211C	Computer Aided Engineering	☐	502212C	OPEN (SELF STUDY)**	☐

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M.E. (Mechanical) (Automotive Engineering)
(For 2008 Course)

Sub. Code	Subject	Paper	TW	Oral	Pract.	Sub. Code	Subject	Paper	TW	Oral	Pract.
	Sem - I						**Sem - II**				
502201	Mathematical Modeling and Analysis	☐	—	—	—	502306	Automotive Fuels and Emissions	☐	—	—	—
502203	Technology and Financial Management	☐	—	—	—	502307	Autotronics	☐	—	—	—
502201	Automotive Engine Design	☐	—	—	—	502308	Fundamentals of Vehicle Dynamics	☐	—	—	—
502202	Elective I	☐	—	—	—	502309	Elective III	☐	—	—	—
502203	Elective II	☐	—	—	—	502310	Elective IV	☐	—	—	—
502204	Lab. Practice I	—	☐	—	—	502311	Lab. Practice II	—	☐	—	—
502205	Seminar I	—	☐	—	—	502312	Seminar II	—	☐	—	—
	Sem - III						**Sem - IV**				
602301	Seminar III	—	☐	—	—	602303	Project Stage II	—	☐	☐	—
602302	Project Stage I	—	☐	—	—						

Elective I (any *One*)

502302 A	Advanced Heat Transfer	☐
502302 B	Finite Element Method	☐
502302 C	Advanced Hydraulics and Pneumatic Systems	☐

Elective II (any *One*)

502303 A	Tribology & Preventive Maintenance	☐
502303 B	Automotive Safety and Regulations	☐
502303 C	Automobile Air Conditioning	☐

Elective III (any *One*)

502309 A	Noise Vibrations and Harshness	☐
502309 B	Automotive Materials	☐
502309 C	Vehicle Aerodynamics	☐

Elective IV (any *One*)

502310 A	Computational Fluid Dynamics	☐
502310 B	Automotive Chasis Design	☐
502310 C	**Open Elective (Self Study)	☐

** Open Elective Subjects : BOS Mechanical Engineering will declare the list of subjects, which can be taken under Open Elective.

M.E. (Mechanical) (Mechatronics)
(For 2008 Course)

Sub. Code	Subject	Paper	TW	Oral	Pract.
	Sem. I				
502801	Applied Numerical Methods & Computational Techniques	☐	—	—	—
502802	Mechanical & Electronic Measurements	☐	—	—	—
502803	Technology & Financial Management	☐	—	—	—
502804	Elective I	☐	—	—	—
502805	Elective II	☐	—	—	—
502806	Lab Practice I	—	☐	—	—
502807	Seminar I	—	☐	—	—
	Sem. III				
502815	Seminar III	—	☐	—	—
502816	Project Stage I	—	☐	—	—

Sub. Code	Subject	Paper	TW	Oral	Pract.
	Sem. II				
502808	Microcontrollers	☐	—	—	—
502809	Industrial Automation	☐	—	—	—
502810	Drives and Actuators	☐	—	—	—
502811	Elective III	☐	—	—	—
502812	Elective IV	☐	—	—	—
502813	Lab Practice II	—	☐	—	—
502814	Seminar II	—	☐	—	—
	Sem. IV				
502817	Project Stage II	—	☐	☐	—

	Elective I (any *One*)	
502804 A	Design of Machine Elemets	☐
502804 B	Digital Signal Processing	☐
502804 C	Advance Material Science	☐

	Elective II (any *One*)	
502805 A	Control Systems	☐
502805 B	Theory of Machines & Mechanisms	☐
502805 C	Instrumentation & Automatic Control	☐

	Elective III (any *One*)	
502811 A	Computer Aided Design	☐
502811 B	Robotics	☐
502811 C	Automotive Electronics	☐

	Elective IV (any *One*)	
502812 A	Embedded Systems	☐
502812 B	Fuzzy Logic and Neural Networks	☐
502812 C	Open (self study)**	☐

** Open Elective Subjects : BOS Mechanical Engineering will declare the list of subjects, which can be taken under Open Elective.