



GURU GOBIND SINGH  
INDRAPRASTHA  
UNIVERSITY



# Guru Gobind Singh Indraprastha University, Delhi

COE/F13/JUL.08

## CONSOLIDATED STATEMENT OF MARKS

0138394

### BACHELOR OF TECHNOLOGY (POWER ENGINEERING)



NAME: VAIBHAV SARIN  
ENROLLMENT: 0601533704  
FATHER'S NAME: RAJNISH SARIN  
YEAR OF ADMISSION: 2004  
UNIVERSITY SCHOOL/ INSTITUTE: NATIONAL POWER TRAINING INSTITUTE

TOTAL CREDIT OF PROGRAMME: 218  
MINIMUM CREDITS REQUIRED: 205  
YEAR OF COMPLETION: MAY, 2008  
PROGRAMME DURATION: 08 SEMESTERS

CODE	PAPER	CS	INT	EXT	TOTAL	CODE	PAPER	CS	INT	EXT	TOTAL
FIRST SEMESTER											
ETMA101	APPLIED MATHEMATICS - I	4	15	58	73	ETPH103	APPLIED PHYSICS - I	3	22	33	55
ETCH105	APPLIED CHEMISTRY - I	3	20	34	54	ETME107	MANUFACTURING PROCESS	2	18	27	50*
ETCS109	INTRODUCTION TO COMPUTERS AND AUTO CAD	3	21	31	52	ETEL111	COMMUNICATION SKILLS - I	3	20	43	63
ETEL113	IMPACT OF SCIENCE & TECHNOLOGY ON SOCIETY	1	-	76	76	ETPH151	APPLIED PHYSICS LAB - I	1	28	55	83
ETCH153	APPLIED CHEMISTRY LAB - I	1	28	41	69	ETCS155	INTRODUCTION TO AUTO CAD OFFICE AUTOMATION AND WEB DESIGN	2	30	48	78
ETME157	WORKSHOP PRACTICE	2	36	52	88	ETME159	ENGINEERING GRAPHICS LAB	1	24	43	67
SECOND SEMESTER											
ETMA102	APPLIED MATHEMATICS - II	4	15	50	65	ETPH104	APPLIED PHYSICS - II	3	22	34	56
ETCH106	APPLIED CHEMISTRY - II	3	5	46	51	ETCS108	INTRODUCTION TO PROGRAMMING	-	AUDIT	AUDIT	AUDIT
ETME110	ENGINEERING MECHANICS	3	15	54	69	ETEC112	ELECTRICAL SCIENCE	3	22	26	50*
ETEL114	COMMUNICATION SKILLS - II	3	20	40	60	ETPH152	APPLIED PHYSICS LAB - II	1	35	54	89
ETCH154	APPLIED CHEMISTRY LAB - II	1	30	42	72	ETCS156	C PROGRAMMING LAB	1	22	38	60
ETME158	ENGINEERING MECHANICS LAB.	2	28	50	78	ETEC160	ELECTRICAL SCIENCE LAB.	1	0	54	54
THIRD SEMESTER											
ETPE201	MATERIAL SCIENCE & METALLURGY	3	12	38	50	ETPE203	THERMODYNAMICS	4	20	46	66
ETPE205	STRENGTH OF MATERIALS & THEORY OF MACHINES	4	7	37	50*	ETPE207	CIRCUIT THEORY	4	24	39	63
ETPE209	ANALOG ELECTRONICS	-	AUDIT	AUDIT	AUDIT	ETPE211	ELECTRICAL MACHINES - 1	4	22	41	63
ETPE251	STRENGTH OF MATERIALS & THEORY OF MACHINES	1	35	41	76	ETPE253	THERMODYNAMICS LAB	2	30	31	61
ETPE255	ANALOG ELECTRONICS LAB	1	27	45	72	ETPE259	ELECTRICAL MACHINES - 1 LAB	1	34	47	81
FOURTH SEMESTER											
ETPE202	ENGINEERING ECONOMICS	3	20	40	60	ETPE204	ENERGY CONVERSION	4	22	28	50
ETPE206	HEAT & MASS TRANSFER	4	13	53	66	ETPE208	FLUID MECHANICS & MACHINES	4	12	52	64
ETPE210	DIGITAL ELECTRONICS	4	13	46	59	ETPE212	CONTROL ENGINEERING	4	16	35	51
ETPE252	HEAT & MASS TRANSFER LAB	1	28	40	68	ETPE254	FLUID MECHANICS & MACHINES LAB	1	18	33	51
ETPE256	DIGITAL ELECTRONICS LAB	1	25	36	61	ETPE258	CONTROL ENGINEERING LAB	1	28	38	66
FIFTH SEMESTER											
ETPE301	POWER GENERATION ENGINEERING	4	11	52	63	ETPE303	STEAM GENERATOR AND ITS AUXILIARIES	4	18	45	63
ETPE305	STEAM TURBINE AND ITS AUXILIARIES	4	21	31	52	ETPE307	POWER PLANT ELECTRICAL MACHINES & SYSTEMS	4	21	40	61
ETPE309	POWER SYSTEM	3	19	52	71	ETPE311	REFRIGERATION AND AIR CONDITIONING	3	15	38	53
ETPE351	THERMAL POWER PLANT SCHEME BRIEFING & TRACING	1	36	51	87	ETPE353	MICROPROCESSOR LAB	1	31	48	79
ETPE355	REFRIGERATION AND AIR CONDITIONING LAB	1	32	53	85	ETPE359	PRACTICAL TRAINING AT THE END OF FOURTH SEMESTER	2	29	48	77
SIXTH SEMESTER											
ETPE302	POWER SYSTEM PROTECTION AND SWITCHGEAR	4	20	33	53	ETPE304	THERMAL POWER PLANT ENGINEERING - RELATED TOPICS - I (POWER PLANT COMMISSIONING, NDT, INDUSTRIAL SAFETY)	4	20	43	63
ETPE306	POWER PLANT OPERATION	4	19	51	70	ETPE308	POWER PLANT CONTROL AND INSTRUMENTATION	4	21	30	51
ETPE310	I. C. ENGINES & GAS DYNAMICS	3	22	50	72	ETPE314	MACHINE DESIGN	3	18	44	62
ETPE352	POWER SYSTEM PROTECTION AND SWITCHGEAR LAB	1	20	30	50	ETPE354	ROTATIONAL ON-JOB TRAINING (OPERATION - STEAM GENERATOR & ITS AUXILIARIES)	1	20	47	67
ETPE356	ROTATIONAL ON-JOB TRAINING (OPERATION - STEAM TURBINE & ITS AUXILIARIES)	1	34	53	87	ETPE358	ROTATIONAL ON-JOB TRAINING (OPERATION - POWER PLANT ELECTRICAL MACHINES & SYSTEMS)	1	34	46	80
ETPE360	I. C. ENGINES LAB.	1	35	50	85						
SEVENTH SEMESTER											
ETPE401	POWER DISTRIBUTION AND UTILIZATION	4	20	56	76	ETPE403	THERMAL POWER PLANT ENGINEERING - RELATED TOPICS - II	4	21	45	66
ETPE405	POWER PLANT MAINTENANCE	4	21	45	66	ETPE407	THEORY OF MACHINE	4	15	45	60
ETPE411	MANUFACTURING AND INDUSTRIAL ENGINEERING	4	22	28	50	ETPE415	CIVIL WORKS IN POWER ENGINEERING	1	-	80	80
ETPE451	STEAM GENERATOR & ITS AUXILIARIES	1	30	49	79	ETPE453	STEAM TURBINE & ITS AUXILIARIES	1	31	48	79
ETPE455	POWER PLANT ELECTRICAL MACHINES & SYSTEM	1	28	49	77	ETPE457	THEORY OF MACHINE LAB	1	25	35	60
ETPE461	SEMINAR	1	29	41	70	ETPE463	PRACTICAL TRAINING AT THE END OF SIX SEMESTER	3	32	40	72
EIGHTH SEMESTER											
ETPE402	LOAD DESPATCH AND ELECTRICITY REGULATION	3	19	41	60	ETPE404	ENVIRONMENTAL MANAGEMENT, ENERGY CONSERVATION & ENERGY AUDIT	4	19	47	66
ETPE406	MANAGEMENT CONCEPTS & TECHNIQUES	3	20	51	71	ETPE408	MECHANICAL VIBRATION	3	18	44	62
ETPE412	ENERGY MANAGEMENT	4	Ab	61	61	ETPE452	ENVIRONMENTAL & ENERGY AUDIT LAB	1	38	57	95
ETPE454	MATLAB	1	30	46	76	ETPE498	PROJECT	8	25	40	65
CREDITS EARNED: 212.00		CREDITS ACCOUNTED FOR CPI: 205.00		CPI: 63.94		DIVISION: FIRST					

Date of Print: 17-Dec-2008

\*: With Grace marks Ab: Absent INT: Internal EXT: External CS: Credit Secured

Place: Delhi, India

*Sham*  
Officer In-charge

*Sham*  
Controller of Examinations

CSMID: 490000802133

## SCHEMATA OF EVALUATION

1. Credit & Marks :-
  - (a) One credit is equal to one hour lecture or two hours of laboratory work per week.
  - (b) The maximum marks in each course is 100, irrespective of the number of credits assigned to the course.
  - (c) For passing in any course, minimum 50 marks are required to be secured.
  - (d) Full credits are awarded after passing in a course; otherwise no credits are awarded.
2. Formula to determine the Cumulative Performance Index (CPI) is as under:

$$\text{CPI} = \frac{\sum_{n=1}^N C_n M_n}{\sum_{n=1}^N C_n}$$

Where  $C_n$  : number of credits earned for the course n.  
 $M_n$  : Marks obtained in the course n.  
 $N$  : Total number of courses over which performance is being measured.

Every programme of the University has minimum specified credits for the award of Degree. For calculation of CPI, best combination of credits is taken into account subject to the condition of prescribed minimum credits. The additional earned credits are also reflected in this marksheet. The other courses in which the student has appeared but secured less than 50% marks has been treated as "Audit Course(s)" and the same are reflected accordingly.

3. Division :-
  - (a) CPI of 90% and above (credits to be earned in first attempt) : Exemplary performance
  - (b) CPI of 90% and above (credits not earned in first attempt) : First class with distinction
  - (c) CPI of 75% and above but below 90% : First class with distinction
  - (d) CPI of 60% & above but below 75% : First class
  - (e) CPI of 50% & above but below 60% : Second class
  - (f) CPI below 50% : Unsuccessful

### Consolidated statement of marks :-

Prepared by:
<i>Pravin Chandra</i>

Checked by:
<i>Huck</i>

Verified by:
<i>Rih</i>