



NATIONAL ENGINEERING COLLEGE

(An Autonomous Institution – Affiliated to Anna University, Chennai – 600 025)

K.R.NAGAR, KOVILPATTI – 628 503

OFFICE OF THE CONTROLLER OF EXAMINATIONS

TIME TABLE - B.E./B.Tech. DEGREE EXAMINATIONS – NOVEMBER 2025 (REGULATIONS-2023)

Branch Name: B.E. – Mechanical Engineering

Semester	Subject Code	Subject Name	Exam Date	Session
5	23ME51C	Mechatronics and Robotics Engineering	12.11.2025	FN
5	23ME53C	Dynamics of Machinery	14.11.2025	FN
5	23ME52C	Heat and Mass Transfer	17.11.2025	FN
5	23ME54C	Computer Aided Design and Manufacturing	19.11.2025	FN
5	23ME01E	Power Plant Engineering	21.11.2025	FN
5	23ME33E	Advanced Machining Processes	21.11.2025	FN
5	23ME34E	Advanced Engineering Materials	26.11.2025	FN
5	23EC47E	Fundamentals of Internet of Things	28.11.2025	FN
5	23ME20E	Product Design and Development Strategies	01.12.2025	FN
5	23ME21E	Hydraulics and Pneumatics	03.12.2025	FN
5	23ME22E	Industrial Robotics	03.12.2025	FN
4	23GN06C	Project Management and Finance	24.11.2025	FN
4	23MC01C	Constitution of India	28.11.2025	FN
4	23ME42C	Thermal Engineering	04.12.2025	FN
4	23ME43C	Strength of Materials	06.12.2025	FN
4	23CS01N	Python Programming	15.12.2025	FN
4	23ME41C	Machining Processes	17.12.2025	FN
4	23SH10E	Fundamentals of Laser Technology	19.12.2025	FN
4	23SH11E	Nanomaterials for Engineers	19.12.2025	FN
3	23ME31C	Engineering Thermodynamics	13.11.2025	FN
3	23ME33C	Basic Manufacturing Processes	15.11.2025	FN
3	23ME32C	Statistics and Numerical Methods	18.11.2025	FN
3	23ME34C	Fluid Mechanics and Hydraulic Machines	20.11.2025	FN
3	23ME35C	Materials Engineering	22.11.2025	FN
3	23ME36C	Kinematics of Machinery	25.11.2025	FN
3	23MC02C	Environmental Science and Engineering	02.12.2025	FN
2	23GN05C	Professional Ethics and Human Values	26.11.2025	FN
2	23ME23C	Engineering Mechanics	05.12.2025	FN
2	23CS11C	Problem Solving Techniques	16.12.2025	FN
2	23EE13C	Fundamentals of Electrical and Electronics Engineering	18.12.2025	FN
2	23ME21C	Fourier Series, Complex Analysis and Calculus	20.12.2025	FN

* For One Credit Course: F.N.: 10.00 A.M. To 01.00 P.M. | A.N.: 2.00 P.M. To 05.00 P.M.
F.N.: 10.00 A.M. To 11.00 A.M. | A.N.: 2.00 P.M. To 03.00 P.M.

CONTROLLER OF EXAMINATIONS



PRINCIPAL



NATIONAL ENGINEERING COLLEGE

(An Autonomous Institution – Affiliated to Anna University, Chennai – 600 025)

K.R.NAGAR, KOVILPATTI – 628 503

OFFICE OF THE CONTROLLER OF EXAMINATIONS

TIME TABLE - B.E./B.Tech. DEGREE EXAMINATIONS – NOVEMBER 2025 (REGULATIONS-2023)

Branch Name: B.E. – Electronics and Communication Engineering

Semester	Subject Code	Subject Name	Exam Date	Session
5	23EC51C	Control Systems	12.11.2025	FN
5	23EC52C	Digital Communication	14.11.2025	FN
5	23EC53C	Analog Circuits II	17.11.2025	FN
5	23EC54C	VLSI Design	19.11.2025	FN
5	23EC01E	Introduction to Embedded System Design	21.11.2025	FN
5	23EC10E	Advanced Semiconductor Devices	21.11.2025	FN
5	23EC40E	Principles of Operating System	21.11.2025	FN
5	23EC42E	Optical Communication and Networks	21.11.2025	FN
5	23ID02E	3D Design and Manufacturing	24.11.2025	FN
5	23CS04N	Data Structures and Algorithms	24.11.2025	FN
5	23CE01N	Disaster Management	24.11.2025	FN
5	23GN05C	Professional Ethics and Human Values	26.11.2025	FN
5	23EC39E	Cryptography and Network Security	28.11.2025	FN
5	23EC02E	Embedded and Real time Systems	28.11.2025	FN
5	23EC17E	Hardware Modelling and Verification using HDL	28.11.2025	FN
5	23CS32E	UI/UX Design	01.12.2025	FN
4	23EC41C	Electromagnetic Waves	02.12.2025	FN
4	23EC42C	Analog Circuits-I	04.12.2025	FN
4	23EC43C	Communication Theory	06.12.2025	FN
4	23EC44C	Digital signal processing	15.12.2025	FN
4	23EC45C	Microprocessor and Microcontroller	17.12.2025	FN
4	23SH04E	Numerical Analysis	19.12.2025	FN
4	23SH12E	Photonics	19.12.2025	FN
4	23SH16E	Sensors for Engineering Applications	19.12.2025	FN
3	23EC31C	Probability Random Process and Queuing theory	13.11.2025	FN
3	23EC33C	Electron devices	15.11.2025	FN
3	23EC32C	Signals and Systems	18.11.2025	FN
3	23EC34C	Digital Electronics	20.11.2025	FN
3	23EC35C	Computer Networks	22.11.2025	FN
2	23MC02C	Environmental Science and Engineering	02.12.2025	FN
2	23EC21C	Linear Algebra and Complex Analysis	03.12.2025	FN
2	23EC22C	Materials Science	05.12.2025	FN
2	23EC23C	Circuit Analysis	16.12.2025	FN
2	23CS24C	Object Oriented Programming using C++	18.12.2025	FN

F.N.: 10.00 A.M. To 01.00 P.M. | A.N.: 2.00 P.M. To 05.00 P.M.

* For One Credit Course:

F.N.: 10.00 A.M. To 11.00 A.M. | A.N.: 2.00 P.M. To 03.00 P.M.

CONTROLLER OF EXAMINATIONS



PRINCIPAL



NATIONAL ENGINEERING COLLEGE

(An Autonomous Institution – Affiliated to Anna University, Chennai – 600 025)

K.R.NAGAR, KOVILPATTI – 628 503

OFFICE OF THE CONTROLLER OF EXAMINATIONS

TIME TABLE - B.E./B.Tech. DEGREE EXAMINATIONS – NOVEMBER 2025 (REGULATIONS-2023)

Branch Name: B.E. – Computer Science and Engineering

Semester	Subject Code	Subject Name	Exam Date	Session
5	23CS55C	Artificial Intelligence	12.11.2025	FN
5	23CS52C	Object Oriented Analysis and Design	14.11.2025	FN
5	23CS01E	Block chain Architecture and Design	17.11.2025	FN
5	23CS12E	No SQL Databases	17.11.2025	FN
5	23CS21E	Computer Vision and Image Processing	17.11.2025	FN
5	23CS31E	Computer Graphics	17.11.2025	FN
5	23CS41E	Generative AI	17.11.2025	FN
5	23CS62E	Data Mining	17.11.2025	FN
5	23CS02E	Smart Contract and D app	19.11.2025	FN
5	23CS11E	Web Frameworks using Python	19.11.2025	FN
5	23CS23E	AI tools for Natural Language Processing	19.11.2025	FN
5	23CS63E	Data Engineering	19.11.2025	FN
5	23CS42E	AI for Industrial Application	21.11.2025	FN
5	23ID02E	3D Design and Manufacturing	24.11.2025	FN
5	23EC47E	Fundamentals of Internet of Things	28.11.2025	FN
5	23CS32E	UI/UX Design	01.12.2025	FN
5	23CS51C	Theory of Computation	03.12.2025	FN
4	23MC02C	Environmental Science and Engineering	02.12.2025	FN
4	23CS42C	Cryptography and Cyber Security	04.12.2025	FN
4	23CS43C	Embedded Systems	06.12.2025	FN
4	23CS44C	Design and Analysis of Algorithm	15.12.2025	FN
4	23CS45C	Database Management Systems	17.12.2025	FN
4	23SH02E	Linear Structures and Transformations	19.12.2025	FN
4	23SH04E	Numerical Analysis	19.12.2025	FN
4	23CS41C	Java for Developers	22.12.2025	FN
3	23CS31C	Computer Organization and Architecture	13.11.2025	FN
3	23CS32C	Data Structures	15.11.2025	FN
3	23CS34C	Probability and Statistics	18.11.2025	FN
3	23CS33C	Operating Systems	20.11.2025	FN
3	23CS35C	Computer Networks	22.11.2025	FN
3	23GN05C	Professional Ethics and Human Values	26.11.2025	FN

F.N.: 10.00 A.M. To 01.00 P.M. | A.N.: 2.00 P.M. To 05.00 P.M.

* For One Credit Course:

F.N.: 10.00 A.M. To 11.00 A.M. | A.N.: 2.00 P.M. To 03.00 P.M.

D.M. 18/10/25
CONTROLLER OF EXAMINATIONS



PRINCIPAL



NATIONAL ENGINEERING COLLEGE

(An Autonomous Institution – Affiliated to Anna University, Chennai - 600 025)

K.R.NAGAR, KOVILPATTI – 628 503

OFFICE OF THE CONTROLLER OF EXAMINATIONS

TIME TABLE - B.E./B.Tech. DEGREE EXAMINATIONS – NOVEMBER 2025 (REGULATIONS-2023)

Branch Name: B.E. – Computer Science and Engineering

Semester	Subject Code	Subject Name	Exam Date	Session
2	23CS21C	Digital Principles and System Design	05.12.2025	FN
2	23CS22C	Discrete Mathematics	16.12.2025	FN
2	23CS24C	Object Oriented Programming using C++	18.12.2025	FN
2	23CS23C	Semiconductor and Quantum Physics	20.12.2025	FN
2	23SH21C	Tamils and Technology	22.12.2025	FN

F.N.: 10.00 A.M. To 01.00 P.M. | A.N.: 2.00 P.M. To 05.00 P.M.

* For One Credit Course:

F.N.: 10.00 A.M. To 11.00 A.M. | A.N.: 2.00 P.M. To 03.00 P.M.

D.M. 11/10/25
CONTROLLER OF EXAMINATIONS



PRINCIPAL 18/10



NATIONAL ENGINEERING COLLEGE

(An Autonomous Institution – Affiliated to Anna University, Chennai - 600 025)

K.R.NAGAR, KOVILPATTI – 628 503

OFFICE OF THE CONTROLLER OF EXAMINATIONS

TIME TABLE - B.E./B.Tech. DEGREE EXAMINATIONS – NOVEMBER 2025 (REGULATIONS-2023)

Branch Name: B.E. – Electrical and Electronics Engineering

Semester	Subject Code	Subject Name	Exam Date	Session
5	23EE52C	Power System II	12.11.2025	FN
5	23EE53C	Microprocessor, Microcontroller and its Applications	14.11.2025	FN
5	23EE51C	Control Systems	17.11.2025	FN
5	23EE54C	Power Electronics	19.11.2025	FN
5	23EE22E	Special Machines and Drives	21.11.2025	FN
5	23EE04E	Battery Management systems and Modeling	21.11.2025	FN
5	23EE37E	MEMS and NEMS	24.11.2025	FN
5	23EE41E	Electrical Safety, Operations, Regulations	24.11.2025	FN
5	23EE06L	Quality Practices for Safety Critical Instrumentation System	26.11.2025	FN
5	23MC01C	Constitution of India	28.11.2025	FN
4	23MC02C	Environmental Science and Engineering	02.12.2025	FN
4	23EE42C	Power System-I	04.12.2025	FN
4	23EE43C	AC Rotating Machines	06.12.2025	FN
4	23EE44C	Linear Integrated Circuits	15.12.2025	FN
4	23EE45C	Digital Electronics	17.12.2025	FN
4	23SH08E	Statistical Techniques and Numerical Methods	19.12.2025	FN
4	23SH11E	Nanomaterials for Engineers	19.12.2025	FN
4	23EE41C	Signals and Systems	22.12.2025	FN
3	23EE31C	Electromagnetic Theory	13.11.2025	FN
3	23EE33C	DC Machines and Transformers	15.11.2025	FN
3	23EE32C	Transforms, Probability and Statistics	18.11.2025	FN
3	23EE34C	Measurement and Instrumentation	20.11.2025	FN
3	23EE35C	Electron Devices and Circuits	22.11.2025	FN
2	23GN05C	Professional Ethics and Human Values	26.11.2025	FN
2	23EE23C	Basic Civil and Mechanical Engineering	03.12.2025	FN
2	23EE22C	Materials Science	05.12.2025	FN
2	23CS11C	Problem Solving Techniques	16.12.2025	FN
2	23EE24C	Electric Circuit Analysis	18.12.2025	FN
2	23EE21C	Fourier Series & Transform, Complex Analysis and Calculus	20.12.2025	FN
2	23SH21C	Tamils and Technology	22.12.2025	FN

F.N.: 10.00 A.M. To 01.00 P.M. | A.N.: 2.00 P.M. To 05.00 P.M.

* For One Credit Course:

F.N.: 10.00 A.M. To 11.00 A.M. | A.N.: 2.00 P.M. To 03.00 P.M.

D.M. 18/10/25
CONTROLLER OF EXAMINATIONS



PRINCIPAL



NATIONAL ENGINEERING COLLEGE

(An Autonomous Institution – Affiliated to Anna University, Chennai - 600 025)

K.R.NAGAR, KOVILPATTI – 628 503

OFFICE OF THE CONTROLLER OF EXAMINATIONS

TIME TABLE - B.E./B.Tech. DEGREE EXAMINATIONS – NOVEMBER 2025 (REGULATIONS-2023)

Branch Name: B.Tech. – Information Technology

Semester	Subject Code	Subject Name	Exam Date	Session
5	23IT52C	Artificial Intelligence	12.11.2025	FN
5	23IT51C	Cryptography and Network Security	14.11.2025	FN
5	23GN06C	Project Management and Finance	24.11.2025	FN
5	23IT01E	Block chain Architecture and Design	17.11.2025	FN
5	23IT12E	No SQL Databases	17.11.2025	FN
5	23IT21E	Computer Vision and Image Processing	17.11.2025	FN
5	23IT31E	Computer Graphics	17.11.2025	FN
5	23IT41E	Generative AI	17.11.2025	FN
5	23IT62E	Data Mining	17.11.2025	FN
5	23IT59E	Digital Forensics	17.11.2025	FN
5	23IT23E	AI tools for Natural Language Processing	19.11.2025	FN
5	23IT02E	Smart Contract and Dapp	19.11.2025	FN
5	23IT56E	Cyber Security and Ethical Hacking	19.11.2025	FN
5	23IT63E	Data Engineering	19.11.2025	FN
5	23IT11E	Web Frameworks using python	19.11.2025	FN
5	23IT42E	AI for Industrial Application	21.11.2025	FN
5	23CE16E	Climate change Adaptation mitigation and management	26.11.2025	FN
5	23EC47E	Fundamentals of Internet of Things	28.11.2025	FN
5	23IT32E	UI/UX Design	01.12.2025	FN
4	23MC02C	Environmental Science and Engineering	02.12.2025	FN
4	23IT44C	Design and Analysis of Algorithm	15.12.2025	FN
4	23SH02E	Linear Structures and Transformations	19.12.2025	FN
4	23SH03E	Number Theory	19.12.2025	FN
4	23IT41C	Java for Developers	22.12.2025	FN
3	23IT33C	Computer Organization and Architecture	13.11.2025	FN
3	23IT32C	Data Structures	15.11.2025	FN
3	23IT38C	Probability and Statistics	18.11.2025	FN
3	23IT34C	Operating Systems	20.11.2025	FN
3	23IT35C	Computer Networks	22.11.2025	FN
3	23IT31C	Software Engineering	25.11.2025	FN
3	23MC01C	Constitution of India	28.11.2025	FN
2	23EE11C	Basic Electrical and Electronics Engineering	03.12.2025	FN
2	23IT23C	Object Oriented Programming using C++	18.12.2025	FN

F.N.: 10.00 A.M. To 01.00 P.M. | A.N.: 2.00 P.M. To 05.00 P.M.

* For One Credit Course:

F.N.: 10.00 A.M. To 11.00 A.M. | A.N.: 2.00 P.M. To 03.00 P.M.

D. M. 18/10/25
CONTROLLER OF EXAMINATIONS



[Signature]
PRINCIPAL



NATIONAL ENGINEERING COLLEGE

(An Autonomous Institution – Affiliated to Anna University, Chennai - 600 025)

K.R.NAGAR, KOVILPATTI – 628 503

OFFICE OF THE CONTROLLER OF EXAMINATIONS

TIME TABLE - B.E./B.Tech. DEGREE EXAMINATIONS – NOVEMBER 2025 (REGULATIONS-2023)

Branch Name: B.E. – Civil Engineering

Semester	Subject Code	Subject Name	Exam Date	Session
5	23CE51C	Structural Analysis	12.11.2025	FN
5	23CE52C	Design of Reinforced Concrete Element	14.11.2025	FN
5	23CE53C	Foundation Engineering	17.11.2025	FN
5	23CE54C	Wastewater Engineering	19.11.2025	FN
5	23CE55C	Highway Engineering	21.11.2025	FN
5	23ID02E	3D Design and Manufacturing	24.11.2025	FN
5	23CE34E	Repair and Rehabilitation of structures	26.11.2025	FN
5	23CE14E	Hydrology	26.11.2025	FN
5	23EC47E	Fundamentals of Internet of Things	28.11.2025	FN
5	23CE36E	Railways, Airports and Harbour Engineering	01.12.2025	FN
5	23CE03E	Design of Reinforced Concrete and Brick Masonry structures	03.12.2025	FN
4	23CE16E	Climate change Adaptation mitigation and management	26.11.2025	FN
4	23EC01N	Sensors and its Applications in Civil Engineering	29.11.2025	FN
4	23CE41C	Strength of Materials	02.12.2025	FN
4	23CE42C	Water Supply Engineering	02.12.2025	FN
4	23CE43C	Hydraulics and Hydraulic machines	02.12.2025	FN
4	23CE44C	Concrete Technology	04.12.2025	FN
4	23CE45C	Soil Mechanics	06.12.2025	FN
3	23CE31C	Fluid Mechanics	13.11.2025	FN
3	23CE32C	Biology for Engineers	15.11.2025	FN
3	23CE33C	Statistics and Numerical methods	18.11.2025	FN
3	23CE34C	Solid Mechanics	20.11.2025	FN
3	23CE35C	Surveying	22.11.2025	FN
3	23GN05C	Professional Ethics and Human values	26.11.2025	FN
3	23EC01N	Sensors and its Applications in Civil Engineering	29.11.2025	FN
3	23CS02N	Foundations of Object Oriented Programming	01.12.2025	FN
2	23CE24C	Building Materials	03.12.2025	FN
2	23CE23C	Engineering Mechanics	05.12.2025	FN
2	23CS11C	Problem solving Techniques	16.12.2025	FN
2	23CE21C	Fourier Series, Complex Analysis and Calculus	20.12.2025	FN
2	23SH21C	Tamils and Technology	22.12.2025	FN

* For One Credit Course:

F.N.: 10.00 A.M. To 01.00 P.M. | A.N.: 2.00 P.M. To 05.00 P.M.
F.N.: 10.00 A.M. To 11.00 A.M. | A.N.: 2.00 P.M. To 03.00 P.M.

D.M. 18/10/25
CONTROLLER OF EXAMINATIONS



[Signature]
PRINCIPAL

[Signature]
18.10.25



NATIONAL ENGINEERING COLLEGE

(An Autonomous Institution – Affiliated to Anna University, Chennai – 600 025)

K.R.NAGAR, KOVILPATTI – 628 503

OFFICE OF THE CONTROLLER OF EXAMINATIONS

TIME TABLE - B.E./B.Tech. DEGREE EXAMINATIONS – NOVEMBER 2025 (REGULATIONS-2023)

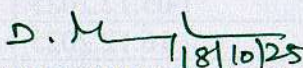
Branch Name: B.Tech. – Artificial Intelligence and Data Science

Semester	Subject Code	Subject Name	Exam Date	Session
5	23AD51C	Natural Language Processing	12.11.2025	FN
5	23AD53C	Big Data Analytics	14.11.2025	FN
5	23AD41E	Generative AI	17.11.2025	FN
5	23AD59E	Digital Forensics	17.11.2025	FN
5	23AD64E	Image and Video Analytics	17.11.2025	FN
5	23AD56E	Cyber Security and Ethical Hacking	19.11.2025	FN
5	23AD65E	Healthcare Analytics	19.11.2025	FN
5	23AD42E	AI for Industrial applications	21.11.2025	FN
5	23AD55C	Deep Learning	24.11.2025	FN
5	23AD54C	Embedded Programming	26.11.2025	FN
5	23MC01C	Constitution of India	28.11.2025	FN
5	23AD32E	UI/UX Design	01.12.2025	FN
4	23AD46C	Fundamentals of Data Science and Analytics	06.12.2025	FN
4	23AD45C	Database management Systems	17.12.2025	FN
3	23AD33C	Linear Algebra	13.11.2025	FN
3	23AD35C	Data Structures	15.11.2025	FN
3	23AD32C	Data Warehousing and Data Mining	18.11.2025	FN
3	23AD31C	Operating Systems	20.11.2025	FN
3	23AD36C	Artificial Intelligence	22.11.2025	FN
3	23AD34C	Object Oriented Programming with Java	25.11.2025	FN
3	23MC02C	Environmental Science and Engineering	02.12.2025	FN
2	23EE11C	Basic Electrical and Electronics Engineering	03.12.2025	FN
2	23AD21C	Computer Organization and Architecture	05.12.2025	FN
2	23AD23C	Probability and Statistics	16.12.2025	FN
2	23AD24C	Python Programming	18.12.2025	FN
2	23SH21C	Tamils and Technology	22.12.2025	FN

F.N.: 10.00 A.M. To 01.00 P.M. | A.N.: 2.00 P.M. To 05.00 P.M.

* For One Credit Course:

F.N.: 10.00 A.M. To 11.00 A.M. | A.N.: 2.00 P.M. To 03.00 P.M.


CONTROLLER OF EXAMINATIONS




PRINCIPAL



NATIONAL ENGINEERING COLLEGE

(An Autonomous Institution – Affiliated to Anna University, Chennai – 600 025)

K.R.NAGAR, KOVILPATTI – 628 503

OFFICE OF THE CONTROLLER OF EXAMINATIONS

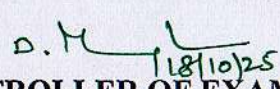
TIME TABLE - M.E./M.TECH. DEGREE EXAMINATIONS & Ph.D. COURSEWORK EXAMINATIONS – NOVEMBER 2025 (REGULATIONS-2023)

Semester	Subject Code	Subject Name	Exam Date	Session
Branch Name: M.E. - Embedded System Technologies				
3	23ES05E	Robotics and Control	12.11.2025	FN
3	23ES13E	Semiconductor device modelling	14.11.2025	FN
3	23GD02E	Industrial Safety	17.11.2025	FN
3	23ES21E	Electromagnetic Interference and Compatibility	19.11.2025	FN
3	23ES08E	Embedded system security	21.11.2025	FN
Branch Name: M.E. - Computer Science and Engineering				
3	23CT01E	Information Retrieval Techniques	12.11.2025	FN
3	23CT25E	Optimization Techniques	14.11.2025	FN
3	23GD02E	Industrial Safety	17.11.2025	FN
Branch Name: M.E. - High Voltage Engineering				
3	23HE10E	Application of AI Techniques to High Voltage Engineering	12.11.2025	FN
3	23HE32E	Soft Computing Techniques	14.11.2025	FN
3	23GD02E	Industrial Safety	17.11.2025	FN
Branch Name: M.TECH. - Information Technology (Information and Cyber Warfare)				
3	23IC06E	Social Network Security	12.11.2025	FN
3	23IC07E	Blockchain Technologies	14.11.2025	FN
3	23GD02E	Industrial Safety	17.11.2025	FN
3	23IC18E	Operating Systems Security	21.11.2025	FN

Semester	Subject Code	Subject Name	Exam Date	Session
Ph.D. Coursework Examinations				
3	23HE10E	Application of AI Techniques to High Voltage Engineering	12.11.2025	FN
3	23ES21E	Electromagnetic Interference and Compatibility	19.11.2025	FN

* For One Credit Course:

F.N.: 10.00 A.M. To 01.00 P.M. | A.N.: 2.00 P.M. To 05.00 P.M.
F.N.: 10.00 A.M. To 11.00 A.M. | A.N.: 2.00 P.M. To 03.00 P.M.


CONTROLLER OF EXAMINATIONS




PRINCIPAL