

UTTAR PRADESH PUBLIC SERVICE COMMISSION

Online Test Series

Electrical Engineering - Schedule

No.of Tests: 16	
Subject Wise Tests	12
Full Length Mock Tests	4

All tests will be Active upto UPPSC-AE Examination.

Subject wise Tests

(No.of Questions: 50, Max Marks: 150 and Time duration: 60 Minutes)

Test No		Name of the Subject	Date of Activation
	Networks and Systems + E.M. Theory: Steady-state and Transient-state Analysis of systems, Thevenin's-, Norton's-, Superposition- and Maximum Power Transfer-theorems, Driving point Transfer functions, Two-port networks, Laplace and Fourier transforms and their applications in Network analysis, Z-transforms for discrete systems, R-L, R-C & L-C network synthesis. Analysis of electrostatic and magnetostatic fields, Laplace, Poission and Maxwell equations, solution of boundary value problems, electromagnetic wave propagation, ground and space waves, Propagation between Earth Station and Satellites.		01-12-2021
Test-02 (Paper-II)	triggering circuits single phas power supplies, DC-DC chop	s: es, transistors, thyristors, triacs, GTOs, MOSFETs and IGBTs static characteristics and principles of operation, se and threephase controlled rectifiers-fully controlled and half controlled, smoothing and filters regulated pers and inverters, speed control circuits for DC and A.C. drives, Basics of electric drives: types, quadrant king of electric motors, estimation of power ratings, traction motors.	0
	Control systems: Mathematical modelling of dynamic linear continuous systems, Block diagrams and Signal flow graphs, time-response specifications, steady-state error, Routh Hurwitz criterion, Nyquist techniques, Root Loci, Bode Plots, Polar Plot, and stability analysis, Lag-, Lead-, Lag-Lead-compensation, state-space modelling, state transition matrix, controllability and observability		
Test-04 (Paper-II)	Boolean algebra, logic gates, D/A converters, basics of filte Electromagnetic wave in guid Modulation and demodulation	eves and Communication systems + Analog Communication basics: combinational and sequencial logic circuits, multiplexers, multivibrators, sample and hold circuits, A/D and er circuits and applications, active filters, semiconductor memories. Ided media, wave guide components, resonators, microwave tubes, microwave generators and amplifiers. Ion, noise and bandwidth, transmitters and receivers, signal to noise ratio, digital communication basics, frequency- and time-domain multiplexing, sound and vision broadcast, antennas, transmission lines at cies.	04-12-2021
	radio interference Parameter Fast-decoupled load flow, B	tions, Performance of Transmission lines, Mechanical design of overhead lines and Insulators, Corona and rs of single- and three-core Cables, Bus admittance matrix, Load flow equations and methods of solutions, calance- and Unbalanced-faults analysis, Power system stability, Power system transients and travailing IVDC transmission, Concepts of FACTS, Voltage Control and Economic operation, Concepts of distributed	05-12-2021
Test-06 (Paper-II)	parameters, starters, speed of	ors Rotating magnetic field, Torque-slip characterstics, Equivalent Circuit and determination of its control, Induction generators. Single phase Induction motors: Theory and phasor diagrams, characteristics, pulsion motor, series motor: E.m.f. equation and phasor diagram and performance, servomotors, stepper	
Test-07			
Test-08 (Paper-II)		d Switch gear: estriking voltages and recovery voltage, testing of circuit breakers, Protective relays, protective schemes for rges in transmission lines and protection.	08-12-2021
Test-09 (Paper-I)	Measurement + Elements of Electronics: Basic methods of measurement, Precision and standards, error analysis, Bridges and Poteniometers; moving coil, Moving iron, dynamometer and induction type instruments, measurement of voltage, current, power, energy, and power factor, Instrument transformers, digital voltmeters and multimeters, phase-, time- and frequency measurement. O-meters Oscilloscopes, Basics of sensors.		
Test-10	Numerical Methods + Electrical Engineering Materials + Elements of Microprocessors: Solution of non liner algebraic equations, single and multisteps methods for solution of differential equations. Crystal structure and defects, conducting, insulating and magneting Materials, super-conductors. Data representation and representation of integer and floating point-numbers. Organization and programming of a microprocessor, ROM and RAM memories CPU of a microcomputer, interfacing memory and I/O devices, Programmable peripheral and communication interface. Application of microprocessors		10-12-2021
Test-11 (Paper-I)	General Hindi	(No.of Questions: 25, Max Marks: 75 and Time duration: 30 Minutes)	11-12-2021
Test-12 (Paper-II)	General studies	(140.01 Questions, 23, Iviax Iviai Rs. 73 and Time duration, 30 Iviniutes)	12-12-2021

Full Length Mock Test

(No.of Questions: 125, Max Marks: 375 and Time duration: 150 Minutes)

Test No	Name of the Mock	Date of Activation	
Test-13 (Paper-I)	Full Length Mock Test-01	22-12-2021	
Test-14 (Paper-II)	Full Length Mock Test-02	29-12-2021	
Test-15 (Paper-I)	Full Length Mock Test-03	05-01-2022	
Test-16 (Paper-II)	Full Length Mock Test-04	12-01-2022	

Note:

The Syllabus considered as per Notifivcation of UPPSC. ACE Engineering Academy does not take any responsibility for deviations in syllabus in the final UPPSC exam. As per Notification of UPPSC each question carries '3' marks and negative marking of 1/3rd (i.e. one mark) for each wrong answer.

The Dates of above Tests may Change according to the UPPSC Exam schedule.

Tests will be activated at 6:00 pm on scheduled day