AP EAMCET Syllabus || Download Engineering/ Agriculture & Medical Exam Pattern

AP EAMCET Exam Pattern

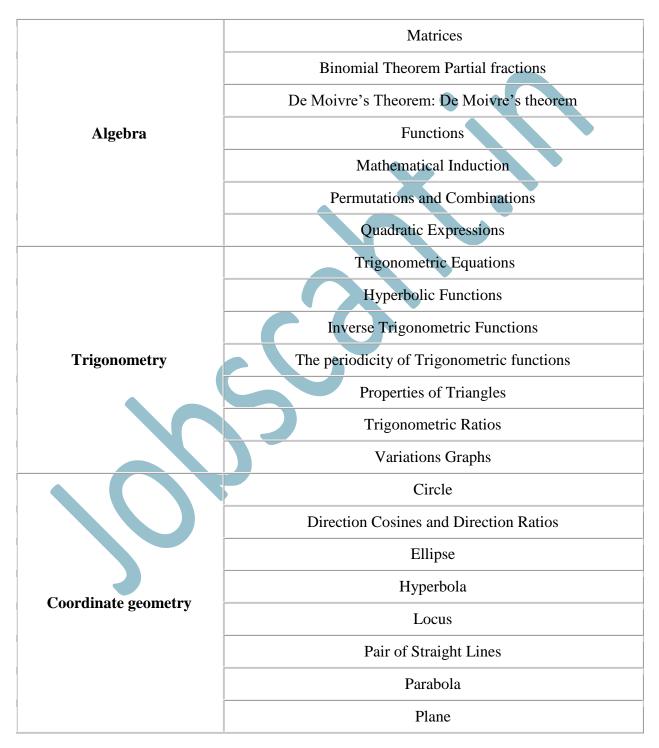
Sr. No.	Subject	Marks	Duration	Exam Type
1	Mathematics	80		
2	Physics	40	3 Hours Object	Objective type
3	Chemistry	40		
	Total		160 Mar	ks

AP EAMCET Exam Pattern for Medical Stream (Common for all branches sack)

Sr. No.	Subject	Marks	Duration	Exam Type
1	Botany	40		
2	Zoology	40	3 Hours	Objective type
3	Chemistry	40		
4	Chemistry	40		
Total		160 Marks		

AP EAMCET Syllabus

AP EAMCET Syllabus for Mathematics



	System of circles		
	The Straight Line		
	Three-Dimensional Coordinates		
	Transformation of Axes		
	Applications of Derivatives		
	Definite Integrals		
	Differential equations		
Calculus	Differentiation		
	Integration		
	Limits and Continuity		
	Buyer's theorem,		
	The classical definition of probability		
Duckshillter	Independent and dependent events conditional probability		
Probability	Probability Distributions		
	Random experiments and events		
	Random Variables		
	Range		
Measures of Dispersion	Mean deviation		
	Coefficient of variation		

Syllabus for Chemistry:

Atomic structure
Biomolecules
Chemical bonding and molecular structure
Chemical equilibrium and acids-bases
Chemistry in everyday life

Classification of elements and periodicity in properties
D and f block elements & coordination compounds
Electrochemistry and chemical kinetics
Environmental chemistry
General principles of metallurgy
Hydrogen and its compounds
Organic chemistry-some basic principles and techniques and hydrocarbons
P- block elements group 13 (boron family)
P-block elements – group 14 (carbon family)
P-block elements
Polymers
Solid state
Solutions
States of matter: gasses and liquids
Stoichiometry
Surface chemistry
The s – block elements
Thermodynamics
abus for Physics:
Alternating current
Atoms
Communication systems

Current electricity

Dual nature of radiation and matter

Electric charges and fields

Electromagnetic induction		
Electromagnetic waves		
Electrostatic potential and capacitance		
Gravitation		
Kinetic theory		
Laws of motion		
Magnetism and Matter		
Mechanical properties of fluids		
Mechanical properties of solids		
Motion in a plane		
Motion in a straight line		
Moving charges and magnetism		
Nuclei		
Oscillations		
Physical-world		
Ray optics and optical instruments		
Semiconductor electronics		
Systems of particles and rotational motion		
Thermal properties of matter		
Thermodynamics		
Units and measurements		
Wave Optics		
Waves		
Work, Energy, and power		

Syllabus For Zoology

- Zoology
- Structural organization in animals
- Animal diversity-i: invertebrate phyla
- Animal diversity-ii: Phylum: Chordata
- Locomotion & reproduction in protozoa
- Biology & human welfare
- Type study of Periplaneta americana
- Ecology & Environment
- Human anatomy and physiology-i
- Human anatomy and physiology ii
- Human anatomy and physiology-iii
- Human anatomy and physiology-iv
- Human reproduction
- Genetics
- Organic evolution
- Applied biology

Syllabus for Botany:

- Diversity in the living world
- Structural organization in plants- morphology
- Reproduction in plants
- Plant Systematics
- Cell structure and function
- Internal organization of plants
- Plant ecology
- Plant physiology
- Microbiology
- Genetics
- Molecular biology
- Biotechnology
- Plants, microbes and human welfare