

Syllabus for Sandip University Joint Entrance Exam(SU-JEE)

Exam Name – SU-JEE Diploma Engineering

Sr. No.	Topic	Syllabus	No. of questions
1	Chemistry	Acids and Bases	20
		Atomic Structure	
		Classification of Elements	
		Elements, mixtures and Compounds	
		Chemical Reactions	
		Metals and Non-Metals	
		Oxidation and Reduction	
		Common chemicals used in daily life	
		Mole Concept	
		Carbon Compounds	
2	Mathematics	Arithmetic Progression	20
		Quadratic Equations	
		Linear Equations in two variables	
		Probability	
		Statistics	
		Mensuration	
		Trigonometry	
		Circle	
		Co-ordinate Geometry	
		Similarity	
3	English	Vocabulary building	20
		Comprehension	
		Punctuation marks	
		Parts of speech	
		Tenses	
4	Physics	Properties of light	20
		Effect of electric current	
		Electromagnetism	
		Heat	
		Matter	

		Natural Resources	
		Units and Measurements	
		Work Power and Energy	
5	Biology	Life's Internal Secrets Life processes, Nutrition, Respiration, Transportation, Excretion	20
		The Regulators Of Life Meaning Of Co-Ordination, Co-Ordination Of Plants, Co-Ordination In Human Beings, The Central Nervous System, The Chemical Control	
		The Life Cycle Reproduction, Modes Of Reproduction, Human Reproduction And Reproductive Health	
		Mapping Of Genes Heredity, The Parental Generation, Darwin's Theory Of Natural Selection	
		Striving For Better Environment -1 Types Of Pollution Sources, Pollutant And Effects, Air Pollution, Soil Pollution, Noise Pollution, Radioactive Pollution, Abatement Pollution	
		Striving For Better Environment -1 Use Of Efficient And Eco Friendly Technology, Sustainable Use Of Resources, Enforcement Of Acts Laws And Policies.	
Total			100