

**SANGAMESHWAR COLLEGE, SOLAPUR**

Topic wise CET Test Series 2016-2017

XII — Science only (Junior Section)

JEE &amp; NEET - 2016-2017

Test No	Day & Date	Subject	Topics	
			XI - Topics	XII - Topics
1.	Monday 30/08/2016	PHYSICS	Measurement , Scalars and Vectors.	Circular Motion, Rotational Motion.
		CHEMISTRY	Some basic concepts of chemistry, States of matter.	Solution and colligative properties, Electrochemistry.
2.	Tuesday 31/08/2016	MATHS	Determinants, Matrices.	Logic, Matrix.
3.	Wednesday 01/09/2016	BIOLOGY	Diversity in organisms, Kingdom – Animalia.	Photosynthesis, Origin and Evolution of life.
4.	Tuesday 06/09/2016	PHYSICS	Refraction of light, Ray Optics.	Wave Theory of Light, Interference and Diffraction.
		CHEMISTRY	Alkane, Alkene, Alkyne.	Halogen derivatives of alkanes and arenes.
5.	Wednesday 07/09/2016	MATHS	Limits, Differentiation, Sequence and series,	Continuity, Differentiations.
6.	Thursday 08/09/2016	BIOLOGY	Kingdom – Plantae, Organization of cell.	Respiration in plants, Chromosomal Basis of inheritance, Genetic engineering and Genomics.
7.	Monday 19/09/2016	PHYSICS	Force, Projectile Motion.	Gravitation, Oscillations.
		CHEMISTRY	Structure of atom, Redox reaction.	Chemical Thermodynamics & Energetic, General principle and Process of isolation of Elements.
8.	Tuesday 20/09/2016	MATHS	Angle and its measurements, Trigonometric fuctions, compound angles, Factorization formulae.	Trigonometric functions, Pair of straight line.
9.	Wednesday 21/09/2016	BIOLOGY	Biochemistry of cell , Study of animal tissue.	Genetic Basis of Inheritance, Human Health and Diseases.
10.	Tuesday 27/09/2016	PHYSICS	Electrostatics, Current electricity.	Electrostatics, Current Electricity, Communication Systems.
		CHEMISTRY	Hydrogen, Aromatic compounds.	Aldehydes, ketones and carboxylic acids, Alcohols, Phenols and Ethers, Chemistry in everyday life.
11.	Wednesday 28/09/2016	MATHS	Integration, Permutations & combinations, Methods of induction	Integration and definite integral
12.	Thursday 29/09/2016	BIOLOGY	Plant growth and Development. Study of animal type (cockroach)	Reproduction in plants, Circulation.

13.	Wednesday 05/10/2016	PHYSICS	Friction in solids and liquids.	Elasticity, Surface Tension, Wave motion.
		CHEMISTRY	Surface chemistry, Nature of chemical bond.	Solid State, Chemical Kinetics.
14.	Thursday 06/10/2016	MATHS	Vectors, Linear in equations.	Vectors, LPP
15.	Friday 07/10/2016	BIOLOGY	Plant water relation and mineral nutrition, Human nutrition.	Biotechnology: Process and Application. Excretion and osmoregulation.
16.	Thursday 24/11/2016	PHYSICS	Magnetic effect of electric current, Magnetism	Magnetic effect of Electric Current, Magnetism, Semiconductors,
		CHEMISTRY	Basic principles and techniques in organic chemistry, Environmental chemistry.	Compounds containing Nitrogen, Biomolecules, Polymers.
17.	Friday 25/11/2016	MATHS	Sets , Relations & functions, Logarithms Complex number.	Application of derivatives , Applications of definite integrals.
18.	Saturday 25/11/2016	BIOLOGY	Cell division, Human respiration.	Gene: its nature, Expression and regulation, Control and Coordination.
19.	Monday 05/12/2016	PHYSICS	Sound waves, Thermal expansion.	Stationary Waves, Kinetic Theory gases and Radiation.
		CHEMISTRY	Periodic table , Chemical equilibrium.	P-block element.
20.	Tuesday 06/12/2016	MATHS	Locus, Straight line, Circle & conics.	3 D Geometry ,Line, Plane.
21.	Wednesday 07/12/2016	BIOLOGY	Morphology of flowering plants. (Root, stem and leaf modification) Locomotion in animals.	Enhancement in food production, Human reproduction & Reproductive health.
22.	Wednesday 14/12/2016	PHYSICS	Electromagnetic waves.	Electromagnetic Induction Atoms, Molecules and Nuclei Electrons and Photons.
		CHEMISTRY	s-block elements, p-block elements,	'd' and ' f ' - block elements, Co-ordination compounds.
23.	Thursday 15/12/2016	MATHS	Statistics, Probability, & Binomial theorem.	Differential Equations, Probability distribution, Binomial distribution.
24.	Friday 16/12/2016	BIOLOGY	Morphology of flowering plants, (Inflorescence , Fruits, Seeds Plant tissues, Families) Human skeleton.	Microbes in Human welfare, Organisms and Environment -I, Animal Husbandry, Organisms an Environment - II.

**Topic wise Test Series is compulsory with best performance for all XII - Science students.**

**\* Place: Place will be display before exam.**

**\*Time: 3.00 pm Onwards (CET-Test and Discussion)**

**\*Note: Two full tests will be conducted after H.S.C Board Examination.**

**Exact dates will be announced in due course of time.**

**CET Cell in charge**

**Vice Principal**

**Principal**