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FOR ASSAM TET PREPARATION

Special Assam TET 2026 Paper II Science Syllabus

EXAM	YEAR	TYPE
Assam TET	**2026**	**Syllabus**

Syllabus for Special TET, 2026
Science [Physics, Chemistry and Biology]
Paper II (For Classes VI-VIII)
Total Marks: 30

Physics—Total marks--10

Measurement: Standard system of measurement—Length, time, volume, weight and density

Motion and Laws of Motion: Speed and velocity, average speed, Relationship between speed distance and time, uniform acceleration, graphical representation of motion, periodic motion, Oscillatory motion. Newton's laws (1st, 2nd and 3rd) of motion and their example, The concept of force, Uniform circular motion, Acceleration due to Gravity, Relationship between Mass and Weight.

Heat and temperature: Measurement of temperature, Celsius scale, Fahrenheit scale and Kelvin scale of temperature, transfer of heat, land and sea

Properties of Magnet: Magnetic and non-magnetic substances, Geomagnet,

Climate: Weather and Climate, Climatic zones of India, Climate change,

Light: Laws of reflection, Transparent, opaque and translucent objects, plane and spherical mirrors, Laws of refraction, refractive index, refraction in lenses, Image formed by Plane mirror, spherical mirrors and lenses, Kaleidoscope, Periscope, Telescope, Microscope

Electricity: Electric Cell, Electric circuit, Electric charge and Coulomb's law, Conductors, Insulators, Electric field, Electric intensity and electric potential, potential difference, Electric current, Ohm’s law, Resistances, Heating effects of electric current, Magnetic effects of electric current.

Facts about Space : Our Solar System, Constellation, The heavenly bodies, The Milky Way Galaxy, Eclipse, Artificial satellite, Rotation and Revolution of Earth

Natural Resources: Different types of Natural Resources, Renewable and non-renewable Natural Resources.

Chemistry--Total Marks--7

Metals and Non-Metals: Physical and chemical properties of Metals and Non-Metals, The reactivity series, Use of Metals and Non-Metals. Rusting of Iron, Galvanization**,** Corrosion

Physical and Chemical Change: Differences between chemical and physical change, Chemical equation Crystallization**,** colloids, Chromatography, Centrifugation.

Acids, Bases and Salts: Acids and Bases, Indicators, Reaction of Acids and Bases with each other, Neutralization in daily life,

Substances: Difference between matter, substance and mixture ; Separation of substances

BIOLOGY—Total marks—8

Organism and Biodiversity: Significance of Biodiversity, Adaptation of Animal and Plants,

Characteristics of Living things: Growth and movement, Nutrition, Respiration, Reproduction, Excretion, Transportation (circulation) in animal, Transportation of substances and water in plants.

Reproduction in plants: Reproduction in plants, Modes of reproduction, vegetative propagation, Fragmentation, Sexual Reproduction, Fertilization, Seed Dispersal.

Photosynthesis in plants: The concept, word equation.

Food for Healthy Life: The major nutrients in human's food and its sources, functions of nutrients, Balanced diet, Deficiency diseases in human.

Human digestive and respiratory system: The structure and functions

Adolescence: Growth and changes, Measures to ensure overall well-being of Adolescents

Contribution of India to the field of Science--Total marks-2

India's significant contribution in science through history and the present time to all matters (concepts, explanation)that are studied within the School curriculum up to secondary level.

Teaching of Science-- Total Marks--3

Methods of science teaching,

Importance of ICT in changing human life and society

Use of ICT in teaching Science.

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