

JGM OLYMPIAD SYLLABUS

Class : XI
(Biology/ Maths)



30 Questions

PHYSICS

- Unit & Measurements
- Motion
- Work
- Energy & Power
- Rotational Motion
- Gravitation
- Mechanical Properties of Solids & Gas
- Thermal Properties of Matter
- Thermodynamics
- Kinetic Theory
- Wave & Oscillations.

Biology 30 Questions

- Living World
- Biological Classification (Five kingdom classification Monera
- Protista
- Fungi
- Plantae
- Animalia)
- Plant and animal Kingdom,
- Structural Organisation in Animals
- Cell & cell structure
- Cell cycle

Human Physiology -

- Breathing and Exchange of gases
- Body fluids
- Neural control & coordination
- Skeletal system and Muscles
- excretory system

30 Questions

Chemistry

- Basic concepts of Chemistry
- Structure of Atom
- Elements & Periodicity
- Thermodynamics
- Equilibrium
- Redox Reactions
- Hydrocarbon

Maths 30 Questions

- Set
- Relation & Function
- Trigonometric Functions
- Complex Number
- Inequalities
- Permutation & Combination
- Probability
- Binomial Theorem
- Sequence & series
- Straight line
- Limits & Derivatives

10 Questions

Mantel Ability

- Coding decoding
- Directions and distance
- Seating Arrangement
- Blood Relations
- Analogy
- Mathematical operations
- Cube test
- The Dices