



# BIHAR TALENT SEARCH EXAMINATION-2017

## Syllabus for class-9

### MATH

1. Algebraic Expressions and Identities
2. Visualising Solid Shapes
3. Mensuration
4. Exponents and Powers
5. Direct and Inverse Proportions
6. Factorisation
7. Introduction to Graphs
8. Playing with Numbers
9. Number systems
10. Polynomials
11. Coordinate geometry
12. Linear equations in two variables
13. Introduction to Euclid's geometry
14. Lines and angles
15. Triangles

## SCIENCE

1. Micro-organisms: Friend and Foe
2. Materials: Metals and Non-Metals
3. Combustion and Flame
4. Cell - Structure and Functions
5. Reaching The Age of Adolescence
6. Friction
7. Chemical Effects of Electric Current
8. Light
9. Pollution of Air and Water
10. Matter in our surroundings
11. Is matter around us pure
12. Atoms and Molecules
13. Structure of the atom
14. Basic Mathematics Application in Physics
15. Element, Mixture and Compounds
16. The fundamental unit of life
17. Tissues
18. Diversity in living organisms

## ENGLISH

1. Proverbs
2. Figures of speech
3. Homonyms
4. Phrasal Verbs
5. Omission
6. Jumbled Words
7. Verb Form
8. Determiners
9. Future Time Reference
10. Modals
11. Active and passive voice

## GENERAL SCIENCE

**It includes Geography, History, Civics and current affairs.**

50% questions of this section will be from class **8th** last term and 50% questions of this section will be from class **9th** first term.

