



SRI **VIDYA**  
**ARADHANA**  
**ACADEMY**  
| LATUR | NANDED  
**P G M B**

**11th | 12th | Repeater**

**NEET**

**CET**

**JEE**  
(Mains/Adv.)



## SCHOLARSHIP TEST SYLLABUS FOR 10th MOVING 11th STUDENTS

**Fundamental Unit of Life** : Shape & Size of cells, Plasma membrane, Cell wall, Nucleus, Cytoplasm, Cell organelles-ER, Golgi, Lysosome, Mitochondria, Plastid, Vacuole

**Cell Division** : Mitosis, Meiosis

**Animal Tissues** : Epithelial, Connective, Muscular, Neural

**Plant Tissue** : Meristematic, Permanent, Parenchyma, Collenchyma, Sclerenchyma, Xylem, Phloem

**Life Processes** :

**Nutrition** : Autotrophic, Heterophic, Nutrition in Human beings

**Respiration** : Various respiratory pathways, ATP, Human Respiratory System

**Circulation** : Transportation in human beings, Human heat, blood vessels, Transportation of oxygen & CO<sub>2</sub>, Blood pressure, Maintenance by platelets, Lymph

**Excretion** : Excretion in human beings, Artificial kidney

**Control & Coordination** : Animal's nervous system, Reflex actions, Human brain

**Hormones in Animals** : Endocrine glands in human beings

**Reproduction in Organisms** : Importance of variation, Reproduction by fission, Fragmentation, Regeneration, Budding, Vegetative propagation, Spore formation

**Sexual reproduction in Flowering plants**

**Reproduction in Human beings** : Male Reproductive System, Female Reproductive System, Post fertilisation events

**Reproductive Health**

**Transportation in Plants** : Transport of water, Transport of food & other substances

**Co-ordination in Plants** : Immediate response to stimulus, Movement due to growth

**Our Environment** : Ecosystem, Food chains & food web, Ozone layer depletion, Disposable cups in trains

**Classification of Plants** : Basis for classification, 5 kingdom classification, Bryophyta, Pteridophyta, Gymnosperm, Angiosperm

**Microbes in Human welfare :** Lactobacillus, Rhizobium, Yeast, Antibiotics - Penicillin, Clostridium, Some common viral/bacterial diseases

**Herdity & variation :** Herdity, Chromosome type, Str. Of DNA, Str. Of RNA, Mendel's monohybrid, dihybrid cross, Genetic disorder - Downs syndrome Klinefelter's Syndrome, Turners Syndrome, Monogenic disorder - Albinism, Sickle cell anaemia, Mitochondrial disorder, Polygenic disorders

**Biotechnology :** Tissue culture, Floriculture, nurseries & forestry, Agro-tourism

**Evolution :** Theories, Evidences, Darwin's theory, Lamark's theory, Speciation, Human evolution

**Animal Classification :** History, Traditional method, Basis of classification, Phylum porifera to chordata

**Social health :** Mental stress, Addiction, Chronic diseases, Cyber crimes, Stress management, Counselling