

## SET # 02

Dear Student, We are sending following modules alongwith this checklist.  
 Kindly check whether you have got all the modules mentioned in this checklist.

### PHYSICS

| Module No. | S. No. | TOPIC  | CLASS            |
|------------|--------|--|------------------|
| P-03       | 1      | Thermal Physics  | 11 <sup>th</sup> |
|            | 2      | Oscillations (S.H.M.)                                  |                  |
|            | 3      | Wave Motion  |                  |
| P-05       | 1      | Magnetic effect of current and Magnetism               | 12 <sup>th</sup> |
|            | 2      | Electromagnetic Induction (EMI)                        |                  |
|            | 3      | Alternating Current                                    |                  |
|            | 4      | Electromagnetic Waves (EMW)                            |                  |
| P-06       | 1      | Ray optics and optical Instruments                     | 12 <sup>th</sup> |
|            | 2      | Wave Optics  |                  |
|            | 3      | Modern physics-I (Dual nature of radiation and matter) |                  |
|            | 4      | Modern physics-II (Nuclei)                             |                  |
|            | 5      | Modern physics-III (Atoms)                             |                  |
|            | 6      | Semiconductor & Digital Electronics                    |                  |
|            | 7      | <b>Modules 3, 5, 6 (Solutions)</b>                     |                  |

### CHEMISTRY

|      |   |  |                  |
|------|---|--|------------------|
| C-03 | 1 | Classification & Nomenclature  | 11 <sup>th</sup> |
|      | 2 | Isomerism  |                  |
|      | 3 | Fundamental concept in organic reaction mechanism                                |                  |
|      | 4 | Hydrocarbons   |                  |
|      | 5 | Purification methods, Qualitative and Quantitative analysis of organic compounds |                  |
|      | 6 | Hints and Solutions  |                  |
| C-05 | 1 | p-Block Elements   | 12 <sup>th</sup> |
|      | 2 | d and f-Block Elements   |                  |
|      | 3 | Co-ordination Compounds  |                  |
|      | 4 | Hints and Solutions  |                  |
| C-06 | 1 | Haloalkanes and Haloarenes   | 12 <sup>th</sup> |
|      | 2 | Alcohol, Phenol and Ether  |                  |
|      | 3 | Aldehydes, Ketones and Carboxylic acids  |                  |
|      | 4 | Amines   |                  |
|      | 5 | Biomolecules   |                  |
|      | 6 | Hints and Solutions  |                  |

### BIOLOGY

|      |                         |   |                  |
|------|-------------------------|---|------------------|
| B-03 | <b>PLANT PHYSIOLOGY</b> |   | 11 <sup>th</sup> |
|      | 1                       | Enzymes   |                  |
|      | 2                       | Photosynthesis in Higher plants                               |                  |
|      | 3                       | Respiration in plants   |                  |
|      | 4                       | Plant growth and Development                                  |                  |
| Z-05 | 1                       | Breathing and exchange of gases                               | 11 <sup>th</sup> |
|      | 2                       | Body fluids and circulation                                   |                  |
|      | 3                       | Excretory products & their elimination                        |                  |
| Z-06 | 1                       | Neural control and coordination (Nervous System)              | 11 <sup>th</sup> |
|      | 2                       | Chemical co-ordination and integration (endocrine System)     |                  |
|      | 3                       | Locomotion and movement (Skeletal system)                     |                  |
|      | 4                       | Locomotion and movement (Limb muscles)                        |                  |
| B-09 | 1                       | Genetics : Principals of Inheritance and variations           | 12 <sup>th</sup> |
|      | 2                       | Genetics : Molecular basis of inheritance                     |                  |
| B-10 | 1                       | Biotechnology : Principles and Processes and its applications | 12 <sup>th</sup> |
|      | 2                       | Microbes in human welfare                                     |                  |