

**BASAVA INTERNATIONAL SCHOOL
SYLLABUS BREAKUP SESSION 2026-27**

**CLASS XII
SUBJECT-BIOLOGY**

NEW SESSION BEGINS ON 18th MARCH 2026

| S.NO | DURATION | NO. OF TEACHING DAYS | THEORY | PRACTICAL/ ACTIVITY | WEIGHTAGE IN BOARD |
|--|---|----------------------|---|---|---|
| 1 | 18 th March – 28 th March | 4 | Ch. 1- Sexual Reproduction in plants | Expt – To Study pollen germination on a slide. Spot - Pollen germination on stigma through a permanent slide Spot - Flowers adapted to pollination by different agencies (wind, insect). | Unit VI - Reproduction 16 marks |
| 2 | 1 st April-15 th April | 9 | Ch. 2 – Human Reproduction Ch. 3 – Reproductive Health | Spot – Exercise on controlled pollination - emasculation, tagging and bagging Spot - Identification of stages of gamete development i.e., T.S. testis, and T.S. ovary through permanent slides (from any mammal). Spot - T.S. of blastula through permanent slides | Unit VII Genetics and Evolution- 20 marks |
| 3 | 16 th April- 30 th April | 13 | Ch. 4 – Principles of inheritance Ch. 5 – Molecular basis of inheritance | Expt - To prepare a temporary slide of mitosis from onion root tips | |
| 4 | 1 st May- 15 th May | 12 | Ch. 5 – Molecular basis of inheritance(cont.) | Spot-Models/specimens of symbiotic association | |
| 5 | 16 th May – 22 nd May | 5 | Ch-6 Evolution | Spot-flash cards showing examples of homologous and analogous organs. | |
| SUMMER VACATIONS: 22nd MAY – 30th JUNE 26 | | | | | |
| 6 | 1 st July- 15 th July | 11 | Ch-6 Evolution (CONTD) Ch.9- Biotechnology: Principles | Spot - Study prepared pedigree charts of any one of the genetic traits such as rolling of tongue, blood groups, ear lobes, widow's peak and colour blindness. Spot-Mendelian inheritance using seeds | Unit IX Biotechnology 12 marks |

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| 7 | 16 th July-31 st July | 14 | Ch. 10 – Biotechnology and its application | Isolate DNA from available plant material. | |
| UNIT TEST I: 27th JULY 2026 | | | | | |
| 8 | 1 st Aug- 15 th Aug | 10 | Ch.7 – Human health and diseases Ch.8- Microbes in Human Welfare | Spot- Disease causing microbes | Unit VIII Biology in Human Welfare- 12 marks |
| 9 | 16 th Aug- 31 st Aug | 11 | Ch.11-Organisms and population Ch.12- Ecosystem | Specimens of animals and plants adapted to land and water Expt -. Study of plant population density and population frequency by quadrat method | Unit X Ecology- 10 marks |

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| SYLLABUS COMPLETION FOR TERM I EXAMINATION: 29thAUG 2026 | | | | | |
| 10 | 1 st Sept-8 th Sept | 4 | REVISION | | |
| TERM I EXAMINATION – 10th SEPT- 30th SEPT 26 | | | | | |
| 11 | 1 st Oct- 15 th Oct | 11 | Ch.13 – Biodiversity and conservation | | |
| SYLLABUS COMPLETION FOR BOARD EXAMINATION – 31st OCT 26 | | | | | |
| 12 | 16 th Oct-31 st Oct | 10 | REVISION | | |
| AUTUMN BREAK- 17th– 20th OCT 26 | | | | | |
| 13 | 1 st Nov -15 th Nov | 7 | REVISION | | |
| DIWALI BREAK: 6 TH NOVEMBER 2026 - 11 TH NOVEMBER 2026 | | | | | |
| PRE BOARD I EXAMINATION (NOVEMBER) PRE BOARD II EXAMINATION (DECEMBER) WINTER BREAK- 30th DEC – 14th JAN 26 | | | | | |

TOTAL TEACHING DAYS: 142

SYLLABUS FOR ASSESSMENT

| EXAM | DATE | SYLLABUS |
|--------------------------------|---------------------------|--|
| UNIT TEST 1 | JULY 20,2026 | Unit VI Reproduction Unit VII Genetics and Evolution |
| TERM I EXAMINATION | SEPTEMBER 2026 | Unit VI Reproduction Unit VII Genetics and Evolution Unit IX Biotechnology |
| PRE BOARD 1 EXAMINATION | NOVEMBER 2026 | Full Syllabus Unit VI -Reproduction Unit VII-Genetics and Evolution Unit VIII-Biology in Human Welfare Unit IX-Biotechnology Unit X-Ecology |
| PRE BOARD 2 EXAMINATION | DECEMBER 2026 | Full Syllabus Unit VI -Reproduction Unit VII-Genetics and Evolution Unit VIII-Biology in Human Welfare Unit IX-Biotechnology Unit X-Ecology |