

# महाराणा प्रताप पी.जी. कालेज, जंगल धूसड़, गोरखपुर

| कक्षा : बी.एस-सी. भाग-दो |           |                   | पाठ्यक्रम योजना : सत्र २०१५-२०१६ |                                     | विषय : वनस्पति विज्ञान                        |
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| दिनांक                   | व्याख्यान | प्राध्यापक का नाम | प्रश्नपत्र                       | अध्याय                              | शीर्षक                                        |
| 16.07.2015               | 1         | Dr. A.K.S.        | I                                | Taxonomy                            | Bentham & hooker system of classification     |
| 20.07.2015               | 2         | Dr. A.K.S.        | I                                | Taxonomy                            | Bentham & hooker system of classification     |
| 21.07.2015               | 1         | Dr. A.K.S.        | II                               | Genetics                            | Cellular & sub cellular structure             |
| 22.07.2015               | 2         | Miss Amrapali     | II                               | Ecology                             | Introduction & ecological factor              |
| 23.07.2015               | 1         | Miss Amrapali     | III                              | Soil water in relation to plants    | W. potential, diffusion Osmosis, permeability |
| 24.07.2015               |           |                   |                                  | <b>Class Teaching</b>               |                                               |
| 25.07.2015               | 3         | Dr. A.K.S.        | I                                | Taxonomy                            | Merit & demerit of B & H classification       |
| 27.07.2015               | 4         | Dr. A.K.S.        | I                                | Taxonomy                            | Ranunculaceae                                 |
| 28.07.2015               | 3         | Dr. A.K.S.        | II                               | Genetics                            | Chromosome morphology & chemistry             |
| 29.07.2015               | 4         | Miss Amrapali     | II                               | Ecology                             | Com. morphology of hydro, EPI, Xerophytes     |
| 30.07.2015               | 2         | Miss Amrapali     | III                              | Soil water in relation plants       | Wilting, water absorption & loss of water     |
| 31.07.2015               |           |                   |                                  | <b>Class Teaching</b>               |                                               |
| 01.08.2015               | 5         | Dr. A.K.S.        | I                                | Taxonomy                            | Cucurbitaceae                                 |
| 03.08.2015               | 6         | Dr. A.K.S.        | I                                | Taxonomy                            | Asteraceae                                    |
| 04.08.2015               | 5         | Dr. A.K.S.        | II                               | Genetics                            | Cell division                                 |
| 05.08.2015               | 6         | Miss Amrapali     | II                               | Ecology                             | Comp. morphology of hydro, EPI Xerophytes     |
| 06.08.2015               | 3         | Miss Amrapali     | III                              | Soil water in relation to plants    | Transpiration                                 |
| 07.08.2015               |           |                   |                                  | <b>Class Teaching</b>               |                                               |
| 08.08.2015               | 7         | Dr. A.K.S.        | I                                | Taxonomy                            | Scrophulariaceae                              |
| 10.08.2015               | 8         | Dr. A.K.S.        | I                                | Taxonomy                            | Lamiaceae                                     |
| 11.08.2015               | 7         | Dr. A.K.S.        | II                               | Genetics                            | Cell division                                 |
| 12.08.2015               | 8         | Miss Amrapali     | II                               | Ecology                             | Brief idea of population & community          |
| 13.08.2015               | 4         | Miss Amrapali     | III                              | Soil minerals in relation to plants | Micro & macronutrients, Absorption of         |
|                          |           |                   |                                  |                                     | Nutrients                                     |
| 14.08.2015               |           |                   |                                  | <b>Class Teaching</b>               |                                               |
| 17.08.2015               | 9         | Dr. A.K.S.        | I                                | Taxonomy                            | Euphorbiaceae                                 |
| 18.08.2015               | 10        | Dr. A.K.S.        | I                                | Taxonomy                            | Arecaceae                                     |
| 20.08.2015               | 9         | Dr. A.K.S.        | II                               | Genetics                            | Pre mendal concept                            |
| 21.08.2015               | 10        | Miss Amrapali     | II                               | Ecology                             | Xerosere                                      |
| 22.08.2015               | 5         | Miss Amrapali     | III                              | Soil minerals in relation to plants | Ascent of SAP                                 |

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| 23.08.2015               |           |                   |                                  | <b>Monthly Evaluation</b>           |                                        |
| 24.08.2015               | 11        | Dr. A.K.S.        | I                                | Taxonomy                            | Rutaceae, Acanthaceae                  |
| 25.08.2015               | 12        | Dr. A.K.S.        | I                                | Taxonomy                            | Verbenaceae, Apocyanaceae              |
| 26.08.2015               | 11        | Dr. A.K.S.        | II                               | Genetics                            | Mendalism                              |
| 27.08.2015               | 12        | Miss Amrapali     | II                               | Ecology                             | Hydrosere                              |
| 31.08.2015               | 6         | Miss Amrapali     | III                              | Soil minerals in relation to plants | Translocation of solutes & Assimilates |
| 01.09.2015               |           |                   |                                  | <b>Class Teaching</b>               |                                        |
| 03.09.2015               | 13        | Dr. A.K.S.        | I                                | Taxonomy                            | Rubiceae, Asclapiadaceae               |
| 04.09.2015               | 14        | Dr. A.K.S.        | I                                | Taxonomy                            | Amaranthaceae, liliaceae Musaceae      |
| 07.09.2015               | 13        | Dr. A.K.S.        | II                               | Genetics                            | Interaction of gene                    |
| 08.09.2015               | 14        | Miss Amrapali     | II                               | Ecology                             | ECO. succession                        |
| 09.09.2015               | 7         | Miss Amrapali     | III                              | Photosynthesis                      | Mechanism of light reaction            |
| 10.09.2015               |           |                   |                                  | <b>Class Teaching</b>               |                                        |
| 11.09.2015               | 15        | Dr.A.K.S.         | I                                | Taxonomy                            | Brassicaceae, Capparidaceae            |
| 12.09.2015               | 16        | Dr. A.K.S.        | I                                | Taxonomy                            | Caryophyllaceae, Malvaceae             |
| 14.09.2015               | 15        | Dr. A.K.S.        | II                               | Genetics                            | Linkage and crossing over              |
| 15.09.2015               | 16        | Miss Amrapali     | II                               | Ecology                             | Str. of ecosystem                      |
| 16.09.2015               | 8         | Miss Amrapali     | III                              | Photosynthesis                      | Mechanism of light reaction            |
| 18.09.2015               |           |                   |                                  | <b>Class Teaching</b>               |                                        |
| 19.09.2015               | 17        | Dr. A.K.S.        | I                                | Taxonomy                            | Poaceae                                |
| 21.09.2015               | 18        | Dr. A.K.S.        | I                                | Taxonomy                            | Diagnostics of Papaveraceae            |
| 22.09.2015               | 17        | Dr. A.K.S.        | II                               | Genetics                            | Chromosomal anomaly                    |
| 23.09.2015               | 18        | Miss Amrapali     | II                               | Ecology                             | Ecological pyramid                     |
| 24.09.2015               | 9         | Miss Amrapali     | III                              | Photosynthesis                      | C <sub>3</sub> cycle                   |
| 26.09.2015               |           |                   |                                  | <b>Monthly Evaluation</b>           |                                        |
| 28.09.2015               | 19        | Dr. A.K.S.        | I                                | Anatomy                             | Variation in pri. structure of stem    |
| 29.09.2015               | 20        | Dr. A.K.S.        | I                                | Anatomy                             | Anamalous sec. growth                  |
| 01.10.2015               | 19        | Dr.A.K.S.         | II                               | Genetics                            | Chromosomal anomaly                    |
| 03.10.2015               | 20        | Miss Amrapali     | II                               | Ecology                             | Energy flow                            |
| 05.10.2015               | 10        | Miss Amrapali     | III                              | Photosynthesis                      | C <sub>4</sub> cycle                   |

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| 06.10.2015               |           |                   |                                  | <b>Class Teaching</b>     |                                            |
| 07.10.2015               | 21        | Dr. A.K.S.        | I                                | Anatomy                   | Eco. variation in stem                     |
| 08.10.2015               | 22        | Dr. A.K.S.        | I                                | Anatomy                   | Mechanical tissue                          |
| 09.10.2015               | 21        | Dr. A.K.S.        | II                               | Genetics                  | Polyploidy                                 |
| 10.10.2015               | 22        | Miss Amrapali     | II                               | Ecology                   | Carbon cycle                               |
| 14.10.2015               | 11        | Miss Amrapali     | III                              | Photosynthesis            | Camcycle, factors affecting photosynthesis |
| 15.10.2015               |           |                   |                                  | <b>Class Teaching</b>     |                                            |
| 16.10.2015               | 23        | Dr. A.K.S.        | I                                | Embryology                | Microsporangium, male gametophyte          |
| 17.10.2015               | 24        | Dr. A.K.S.        | I                                | Embryology                | Megasporangium and embryo sac              |
| 19.10.2015               | 23        | Dr. A.K.S.        | II                               | Genetics                  | Mutation                                   |
| 28.10.2015               | 24        | Miss Amrapali     | II                               | Ecology                   | N <sub>2</sub> cycle, General Discussion   |
| 29.10.2015               | 12        | Miss Amrapali     | III                              | Respiration               | Mechanism of glycolysis                    |
| 30.10.2015               |           |                   |                                  | <b>Monthly Evaluation</b> |                                            |
| 31.10.2015               | 25        | Dr. A.K.S.        | I                                | Embryology                | Def., type & dev. of embryo                |
| 02.11.2015               | 26        | Dr. A.K.S.        | I                                | Embryology                | Def., type, use & nature of endosperm      |
| 03.11.2015               | 25        | Dr. A.K.S.        | II                               | Genetics                  | Sex linked inheritance                     |
| 04.11.2015               | 25        | Miss Amrapali     | II                               | Ecology                   | AIR pollution, General Discussion          |
| 05.11.2015               | 13        | Miss Amrapali     | III                              | Respiration               | KREBs cycle                                |
| 06.11.2015               |           |                   |                                  | <b>Class Teaching</b>     |                                            |
| 07.11.2015               | 27        | Dr. A.K.S.        | I                                | Embryology                | Seed formation & fertilisation             |
| 14.11.2015               | 28        | Dr. A.K.S.        | I                                | Embryology                | Experimental embryology                    |
| 16.11.2015               | 27        | Dr. A.K.S.        | II                               | Genetics                  | Sex determination                          |
| 18.11.2015               | 28        | Miss Amrapali     | II                               | Ecology                   | Air pollution, General Discussion          |
| 19.11.2015               | 12        | Miss Amrapali     | III                              | Respiration               | Electron transport system                  |
| 20.11.2015               |           |                   |                                  | <b>Class Teaching</b>     |                                            |
| 21.11.2015               | 29        | Dr. A.K.S.        | I                                | Embryology                | Parthenocarpy, anther culture              |
| 23.11.2015               | 30        | Dr. A.K.S.        | I                                | Embryology                | Female gametophyte                         |
| 24.11.2015               | 29        | Dr. A.K.S.        | II                               | Genetics                  | Sex determination                          |
| 25.11.2015               | 30        | Miss Amrapali     | II                               | Ecology                   | Biological Magnification Imp. Que.         |
| 26.11.2014               | 15        | Miss Amrapali     | III                              | Respiration               | Factors affecting respiration R.Q.         |

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| 27.11.2015               |           |                   |                                  | <b>Monthly Evaluation</b> |                                                  |
| 28.11.2015               | 31        | Dr. A.K.S.        | I                                | Economic Bot.             | Sunhemp & Coir                                   |
| 30.11.2015               | 31        | Dr. A.K.S.        | II                               | Genetics                  | Cytoplasmic inheritance                          |
| 01.12.2015               | 16        | Miss Amrapali     | III                              | Respiration               | Photores piration                                |
| 03.12.2015               | 17        | Miss Amrapali     | III                              | Fat metabolism            | Str. & properties of fat & fatty acids           |
| 07.12.2015               | 18        | Miss Amrapali     | III                              | Fat metabolism            | Synthesis of fats                                |
| 08.12.2015               |           |                   |                                  | <b>Class Teaching</b>     |                                                  |
| 09.12.2015               | 32        | Dr. A.K.S.        | I                                | Economic bot.             | Jute and cotton                                  |
| 11.12.2015               | 32        | Dr. A.K.S.        | II                               | Genetics                  | Concept of gene                                  |
| 12.12.2015               | 19        | Miss Amrapali     | III                              | Fat metabolism            | Breakdown of fats                                |
| 14.12.2015               | 20        | Miss Amrapali     | III                              | Growth                    | El. idea of growth regulators auxins, Gibber lin |
| 15.12.2015               | 21        | Miss Amrapali     | III                              | Growth                    | Aba, ethylene, cytokinin                         |
| 16.12.2015               |           |                   |                                  | <b>Class Teaching</b>     |                                                  |
| 17.12.2015               | 33        | Dr. A.K.S.        | I                                | Economic bot.             | Castor & mustard                                 |
| 18.12.2015               | 33        | Dr. A.K.S.        | II                               | Genetics                  | Recon, muton, cistron                            |
| 19.12.2015               | 22        | Miss Amrapali     | III                              | Growth                    | Photo periodism                                  |
| 21.12.2015               | 23        | Miss Amrapali     | III                              | Growth                    | Vernalisation                                    |
| 22.12.2015               | 24        | Miss Amrapali     | III                              | Vitamins                  | Type & Role in Pl. Metabolism                    |
| 28.12.2015               |           |                   |                                  | <b>Monthly Evaluation</b> |                                                  |
| 29.12.2015               | 34        | Dr. A.K.S.        | I                                | Economic bot.             | Coconut, ground nut                              |
| 30.12.2015               | 34        | Dr. A.K.S.        | II                               | Genetics                  | Chemistry of nucleolus                           |
| 31.12.2015               | 25        | Miss Amrapali     | III                              | Vitamins                  | Type & Role in Pl. Metabolism                    |
| 01.01.2016               | 26        | Miss Amrapali     | III                              | Proteins                  | Str. of proteins & Chemical Composition          |
| 02.01.2016               | 27        | Miss Amrapali     | III                              | Proteins                  | Transcription                                    |
| 04.01.2016               |           |                   |                                  | <b>Class Teaching</b>     |                                                  |
| 06.01.2016               | 35        | Dr. A.K.S.        | I                                | Economic bot.             | Teak and sal                                     |
| 07.01.2016               | 35        | Dr. A.K.S.        | II                               | Genetics                  | General discussion                               |
| 08.01.2016               | 28        | Miss Amrapali     | III                              | Proteins                  | Translation                                      |
| 09.01.2016               | 29        | Miss Amrapali     | III                              | Proteins                  | Biological significance of proteins              |
| 11.01.2016               | 30        | Miss Amrapali     | III                              | Carbohydrate              | Gen. account & classification                    |

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