

# MAHARANA PRATAP P.G. COLLEGE, JUNGLE DHUSAN, GORAKHPUR

| Class: B. Sc. II |             | Lesson plan: Session 2019-2020 |                |                      | Subject: Zoology                   |
|------------------|-------------|--------------------------------|----------------|----------------------|------------------------------------|
| Date             | Lecture No. | Teacher's Name                 | Paper          | Chapter              | Topic                              |
| 16.07.2019       | 1           | R. N. Singh                    | I              | Embryology           | Placentation in Mammal             |
| 17.07.2019       | 1           | R. N. Singh                    | II             | Cyclostomata         | Classification                     |
| 18.07.2019       | 1           | V.K . singh                    | III            | Functional group     | Alcohols and thio alcohol          |
| 19.07.2019       |             |                                | <b>CLASS</b>   | <b>Teaching</b>      |                                    |
| 20.07.2019       | 2           | R. N. Singh                    | I              | Embryology           | Placentation in mammal             |
| 22.07.2019       | 2           | R. N. Singh                    | II             | Cyclostomata         | Petromyzon and ammocete larva str. |
| 23.07.2019       | 3           | R. N. Singh                    | II             | Pisces               | Scoliodon digestive system         |
| 24.07.2019       | 2           | V.K.S                          | III            | Functional gp.       | Acids                              |
| 25.07.2019       | 3           | V.K.S                          | III            | Functional gp.       | Aldehyde & ketone                  |
| 26.07.2019       |             |                                | <b>CLASS</b>   | <b>Teaching</b>      |                                    |
| 27.07.2019       | 3           | R. N. Singh                    | I              | Embryology           | Placentation in mammal             |
| 29.07.2019       | 4           | R. N. Singh                    | II             | Pisces               | Digestive system scoliodon         |
| 30.07.2019       | 5           | R. N. Singh                    | II             | Pisces               | Respiratory system scoliodon       |
| 31.07.2019       | 4           | Vks                            | III            | Functional gp.       | Amines                             |
| 01.08.2019       | 5           | Vks                            | III            | H <sup>+</sup> conc. | pH                                 |
| 02.08.2019       |             |                                | <b>CLASS</b>   | <b>Teaching</b>      |                                    |
| 03.08.2019       | 4           | R. N. Singh                    | I              | Embryology           | Development of chick               |
| 06.08.2019       | 6           | R. N. Singh                    | II             | Pisces               | Circulatory sys. Scoliodon         |
| 07.08.2019       | 7           | R. N. Singh                    | II             | Pisces               | Circulatory sys. Scoliodon         |
| 08.08.2019       | 6           | Vks                            | III            | H <sup>+</sup> conc. | Buffer sol.                        |
| 09.08.2019       | 7           | Vks                            | III            | Carbohydrate         | Monosaccharide                     |
| 10.08.2019       |             |                                | <b>CLASS</b>   | <b>Teaching</b>      |                                    |
| 13.08.2019       | 5           | R. N. Singh                    | I              | Embryology           | Development of chick               |
| 14.08.2019       | 8           | R. N. Singh                    | II             | Pisces               | Urinogenital sys.                  |
| 16.08.2019       | 9           | R. N. Singh                    | II             | Pisces               | Urinogenital sys.                  |
| 17.08.2019       | 8           | VKS                            | III            | Carbohydrate         | Monosaccharide                     |
| 19.08.2019       | 9           | VKS                            | III            | Carbohydrate         | Disaccharide                       |
| 20.08.2019       |             |                                | <b>CLASS</b>   | <b>Teaching</b>      |                                    |
| 21.08.2019       | 1           | SK                             | I              | Embryology           | Development of Ascidian            |
| 22.08.2019       | 10          | R.N.Singh                      | II             | Amphibia             | Classification                     |
| 24.08.2019       | 1           | SK                             | II             | Amphibia             | Classification                     |
| 26.08.2019       | 10          | VKS                            | III            | Carbohydrate         | Disaccharide                       |
| 27.08.2019       | 11          | VKS                            | III            | Carbohydrate         | Disaccharide                       |
| 28.08.2019       |             |                                | <b>Monthly</b> | <b>Evaluation</b>    |                                    |
| 29.08.2019       | 6           | R.N.Singh                      | I              | Embryology           | Development of Amphioxus           |
| 30.08.2019       | 2           | SK                             | II             | Amphibia             | Parental care                      |
| 02.08.2019       | 3           | SK                             | II             | Amphibia             | Neoteny                            |
| 03.09.2019       | 12          | VKS                            | III            | Carbohydrate         | Polysaccharide                     |
| 04.09.2019       | 13          | VKS                            | III            | Amino acid           | Classification                     |
| 05.09.2019       |             |                                | <b>CLASS</b>   | <b>Teaching</b>      |                                    |
| 06.09.2019       | 7           | R.N.Singh                      | I              | Embryology           | Development of Amphioxus           |
| 07.09.2019       | 11          | R.N.Singh                      | II             | Reptilia             | Classification                     |
| 09.09.2019       | 12          | R.N.Singh                      | II             | Reptilia             | Poisonous Apparatus of Snake       |
| 11.09.2019       | 14          | VKS                            | III            | Amino acid           | Classification                     |
| 13.09.2019       | 15          | VKS                            | III            | Amino acid           | Peptide Linkage                    |
| 14.09.2019       |             |                                | <b>CLASS</b>   | <b>Teaching</b>      |                                    |
| 16.09.2019       | 8           | R.N.Singh                      | I              | Embryology           | Development of Frog                |
| 17.09.2019       | 13          | R.N.Singh                      | II             | Reptilia             | Snake Biting Mechanism             |
| 19.09.2019       | 14          | R.N.Singh                      | II             | Reptilia             | Snake Venom & Antivenom            |

# MAHARANA PRATAP P.G. COLLEGE, JUNGLE DHUSAN, GORAKHPUR

|            |    |           |                |                        |                                   |
|------------|----|-----------|----------------|------------------------|-----------------------------------|
| 20.09.2019 | 16 | VKS       | III            | Amino acid             | Zwitter ion                       |
| 21.09.2019 | 1  | NK        | III            | Lipids                 | Types                             |
| 23.09.2019 |    |           | <b>Monthly</b> | <b>Evaluation</b>      |                                   |
| 24.09.2019 | 9  | R.N.Singh | I              | Histology              | Stomach of Frog & Mammal          |
| 25.09.2019 | 15 | R.N.Singh | II             | Reptilia               | Snake Poisonous and Non poisonous |
| 26.09.2019 | 26 | R.N.Singh | II             | Reptilia               | Uromastix: Respiratory System     |
| 27.09.2019 | 2  | NK        | III            | Lipids                 | Types                             |
| 30.09.2019 | 3  | NK        | III            | Fat                    | Hydrolysis                        |
| 01.10.2019 |    |           | <b>CLASS</b>   | <b>Teaching</b>        |                                   |
| 03.10.2019 | 10 | R.N.Singh | I              | Histology              | Intestine of Frog & Mammal        |
| 04.10.2019 | 17 | R.N.Singh | II             | Reptilia               | Uromastix: Digestive System       |
| 05.10.2019 | 18 | R.N.Singh | II             | Reptilia               | Uromastix: Circulatory System     |
| 12.10.2019 | 4  | NK        | III            | Enzyme                 | Nomenclature and Classification   |
| 14.10.2019 | 5  | NK        | III            | Enzyme                 | Mechanism of Enzyme action        |
| 15.10.2019 |    |           | <b>CLASS</b>   | <b>Teaching</b>        |                                   |
| 16.10.2019 | 11 | R.N.Singh | I              | Histology              | Liver of Frog & Mammal            |
| 17.10.2019 | 19 | R.N.Singh | II             | Reptilia               | Uromastix: Circulatory System     |
| 18.10.2019 | 20 | R.N.Singh | II             | Reptilia               | Uromastix: Urogenital system      |
| 21.10.2019 | 6  | NK        | III            | Enzyme                 | Factor affecting enzyme activity  |
| 22.10.2019 | 7  | NK        | III            | Vitamins               | Water soluble vitamins            |
| 23.10.2019 |    |           | <b>Monthly</b> | <b>Evaluation</b>      |                                   |
| 30.10.2019 | 12 | R.N.Singh | I              | Histology              | Pancrease of Frog & Mammal        |
| 31.10.2019 |    | R.N.Singh | I              | Histology              | Bone of Frog & Mammal             |
| 01.10.2019 | 21 | R.N.Singh | II             | Aves                   | Columba: Feathers                 |
| 04.11.2019 | 22 | R.N.Singh | II             | Aves                   | Columba: Feathers                 |
| 05.11.2019 | 8  | NK        | III            | Vitamins               | Fat soluble vitamins              |
| 06.11.2019 |    |           | <b>CLASS</b>   | <b>Teaching</b>        |                                   |
| 07.11.2019 | 13 | R.N.Singh | I              | Histology              | Pituitary of Frog & Mammal        |
| 09.11.2019 | 14 | R.N.Singh | I              | Histology              | Kidney of Frog & Mammal           |
| 11.11.2019 | 23 | R.N.Singh | II             | Aves                   | Columba: Digestive system         |
| 13.11.2019 | 24 | R.N.Singh | II             | Aves                   | Columba: Digestive system         |
| 14.11.2019 | 9  | NK        | III            | Micronutrients         | Micronutrients                    |
| 15.11.2019 |    |           | <b>CLASS</b>   | <b>Teaching</b>        |                                   |
| 16.11.2019 | 15 | R.N.Singh | I              | Histology              | Gonad of Frog & Mammal            |
| 18.11.2019 | 16 | R.N.Singh | I              | Histology              | Gonad of Frog & Mammal            |
| 19.11.2019 | 25 | R.N.Singh | II             | Aves                   | Columba: Respiratory system       |
| 20.11.2019 | 26 | R.N.Singh | II             | Aves                   | Columba: Circulatory system       |
| 21.11.2019 | 1  | SK        | III            | Respiration            | Breathing                         |
| 22.11.2019 |    |           | <b>CLASS</b>   | <b>Teaching</b>        |                                   |
| 23.11.2019 | 2  | SK        | I              | Urochordata            | Classification                    |
| 25.11.2019 | 3  | SK        | I              | Urochordata            | Herdmania: Structure              |
| 26.11.2019 | 27 | R.N.Singh | II             | Aves                   | Columba: Circulatory system       |
| 27.11.2019 | 28 | R.N.Singh | II             | Aves                   | Columba: Circulatory system       |
| 28.11.2019 | 2  | SK        | III            | Digestion & Absorption | Carbohydrate                      |
| 29.11.2019 |    |           | <b>Monthly</b> | <b>Evaluation</b>      |                                   |
| 30.11.2019 | 4  | SK        | I              | Urochordata            | Herdmania: Digestive system       |
| 02.11.2019 | 29 | R.N.Singh | II             | Aves                   | Columba: Urogenital system        |
| 03.12.2019 | 30 | R.N.Singh | II             | Mammalia               | Osteology of Rabbit               |
| 07.12.2019 | 3  | SK        | III            | Digestion & Absorption | Lipids                            |
| 09.12.2019 | 4  | SK        | III            | Digestion &            | Protein                           |

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|            |    |           |                |                     |                                                                                    |
|------------|----|-----------|----------------|---------------------|------------------------------------------------------------------------------------|
|            |    |           |                | Absorption          |                                                                                    |
| 11.12.2019 |    |           | <b>CLASS</b>   | <b>Teaching</b>     |                                                                                    |
| 13.12.2019 | 5  | SK        | I              | Urochordata         | Herdmania: Circulatory system                                                      |
| 14.12.2019 | 31 | R.N.Singh | II             | Mammalia            | Osteology of Rabbit                                                                |
| 16.12.2019 | 32 | R.N.Singh | II             | Mammalia            | Osteology of Mammals                                                               |
| 18.12.2019 | 5  | SK        | III            | Respiration         | Oxygen transport                                                                   |
| 19.12.2019 | 6  | SK        | III            | Respiration         | Carbon dioxide transport                                                           |
| 20.12.2019 |    |           | <b>CLASS</b>   | <b>Teaching</b>     |                                                                                    |
| 21.12.2019 | 6  | SK        | I              | Urochordata         | Herdmania: Neural complex                                                          |
| 23.12.2019 | 33 | R.N.Singh | II             | Mammalia            | Osteology of Mammals                                                               |
| 26.12.2019 | 34 | R.N.Singh | II             | Mammalia            | Classification                                                                     |
| 27.12.2019 | 7  | SK        | III            | Blood & circulation | Blood and blood group                                                              |
| 28.12.2019 | 8  | SK        | III            | Blood & circulation | Rh Factor and Blood pressure                                                       |
| 30.12.2019 |    |           | <b>Monthly</b> | <b>Evaluation</b>   |                                                                                    |
| 31.12.2019 | 7  | SK        | I              | Urochordata         | Herdmania: Reproductive system                                                     |
| 01.12.2019 | 35 | R.N.Singh | II             | Mammalia            | Classification                                                                     |
| 02.12.2019 | 36 | R.N.Singh | II             | Mammalia            | Adaptive radiation                                                                 |
| 03.12.2019 | 9  | SK        | III            | Blood & circulation | Structure and function of Heart                                                    |
| 04.12.2019 | 10 | SK        | III            | Blood & circulation | Blood coagulation                                                                  |
| 06.01.2020 |    |           | <b>CLASS</b>   | <b>Teaching</b>     |                                                                                    |
| 07.01.2020 | 17 | R.N.Singh | I              | Cephalochordata     | Classification                                                                     |
| 08.01.2020 | 37 | R.N.Singh | II             | Mammalia            | Adaptive radiation                                                                 |
| 09.01.2020 | 11 | SK        | III            | Endocrine           | Pituitary gland                                                                    |
| 10.01.2020 | 12 | SK        | III            | Endocrine           | Thyroid and Parathyroid                                                            |
| 11.01.2020 | 13 | SK        | III            | Endocrine           | Adrenal gland                                                                      |
| 13.01.2020 |    |           | <b>CLASS</b>   | <b>Teaching</b>     |                                                                                    |
| 16.01.2020 | 18 | R.N.Singh | I              | Cephalochordata     | Classification                                                                     |
| 17.01.2020 | 38 | R.N.Singh | II             | Mammalia            | Affinity of Prototheria                                                            |
| 18.01.2020 | 14 | SK        | III            | Excretion           | Structure of Kidney                                                                |
| 20.01.2020 | 15 | SK        | III            | Excretion           | Physiology of excretion                                                            |
| 22.01.2020 | 16 | SK        | III            | Excretion           | Physiology of excretion                                                            |
| 23.01.2020 |    |           | <b>CLASS</b>   | <b>Teaching</b>     |                                                                                    |
| 24.01.2020 | 19 | R.N.Singh | I              | Cephalochordata     | Amphioxus: Digestive system                                                        |
| 25.01.2020 | 39 | R.N.Singh | II             | Mammalia            | Affinity of Metatheria and Eutheria                                                |
| 27.01.2020 | 17 | SK        | III            | Nervous system      | Structure of nerve cell                                                            |
| 28.01.2020 | 18 | SK        | III            | Nervous system      | Nerve impulse/ synaptic transmission                                               |
| 29.01.2020 | 19 | SK        | III            | Muscular system     | Structure and chemical composition of muscles and Mechanism of muscles contraction |
| 30.01.2020 |    |           | <b>Monthly</b> | <b>Evaluation</b>   |                                                                                    |
| 31.01.2020 | 20 | R.N.Singh | I              | Cephalochordata     | Amphioxus: Circulatory system and Excretory system                                 |