Ambegaon Taluka Vidya Vikas Mandal's

B. D. KALE MAHAVIDYALAYA, GHODEGAON
DEPARTMENT OF ZOOLOGY

S.Y.B.Sc. COURSE OUTCOME NEP 2020

Semester- III

COURSE TITLE: ZOO MN- 242: AMAZING WORLD OF INVERTEBRATES- I (T)

Course Outcome
1: Explain key concepts and levels of taxonomy and systematics, including various modern approaches such as Alpha, Beta, and Gamma taxonomy. **2:** Apply principles of binomial nomenclature and taxonomic hierarchy to classify organisms accurately up to species level. **3:** Differentiate between the characteristics of unicellular and multicellular animals, highlighting the evolutionary significance of Metazoa. **4:** Describe structural and functional adaptations in Protozoans, with emphasis on locomotion, reproduction, and economic importance. **5:** Classify and compare the major classes of lower invertebrate phyla such as Porifera, Cnidaria, and Platyhelminthes based on morphology and anatomy. **6:** Interpret polymorphism in Cnidarians and its ecological role in coral reef formation and marine biodiversity. **7:** Analyse parasitic adaptations in flatworms and discuss their impact on human and animal health.

SEMESTER- IV

COURSE TITLE: ZOO MN- 292: AMAZING WORLD OF INVERTEBRATES- II (T)

Course Outcome
1: Describe and classify major invertebrate phyla including Nematoda, Annelida, Arthropoda, Mollusca, and Echinodermata. **2:** Identify diagnostic features and representative organisms of each phylum. **3:** Explain ecological roles and economic importance of selected invertebrates. **4:** Illustrate adaptive features like segmentation, mouthparts, locomotion, and parasitism. **5:** Analyse life processes such as reproduction, digestion, and locomotion in key invertebrate models. **6:** Compare morphological and functional characteristics across phyla. **7:** Interpret structural adaptations in parasitic and free-living invertebrates.

Head
Department of Zoology