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G. VENKATASWAMY NAIDU COLLEGE (AUTONOMOUS), KOVILPATTI – 628 502.



UG DEGREE END SEMESTER EXAMINATIONS - NOVEMBER 2024.

(For those admitted in June 2023 and later)

PROGRAMME AND BRANCH: B.Sc., CHEMISTRY AND BOTANY

SEM	CATEGORY	COMPONENT	COURSE CODE	COURSE TITLE
I	PART - III	ELECTIVE GENERIC	U23ZO1A1	ANIMAL DIVERSITY- I & II

Date &amp; Session: 14.11.2024/FN

Time : 3 hours

Maximum: 75 Marks

Course Outcome	Bloom's K-level	Q. No.	SECTION – A (10 X 1 = 10 Marks)
			Answer <u>ALL</u> Questions.
CO1	K1	1.	Who introduced the binomial nomenclature system? a) Charles Darwin    b) Gregor Mendel c) Aristotle    d) Carl Linnaeus
CO1	K2	2.	Which of the following is NOT a rule of binomial nomenclature? a) The genus is always capitalized     b) The species name is capitalized c) Both names are italicized                        d) None of the above
CO2	K1	3.	Which of the following protozoa belongs to the class Rhizopodea? a) Amoeba                        b) Plasmodium                        c) Trypanosoma                        d) Euglena
CO2	K2	4.	Adult echinoderms have generally includes..... symmetry a) Spherical     b) Bilateral                        c) Radial                        d) Biradial
CO3	K1	5.	Which type of coelom formation is observed in echinoderms and chordates? a) Schizocoelous    b) Enterocoelous c) Pseudocoelous    d) Acoelomate formation
CO3	K2	6.	Water vascular system is the characteristic of which group of the following? a) Porifera     b) Ctenophora                        c) Echinodermata                        d) Chordata
CO4	K1	7.	Which respiratory pigment is commonly found in arthropods? a) Hemoglobin    b) Haemocyanin    c) Myoglobin                        d) Chlorocruorin
CO4	K2	8.	Which class includes bony fishes? a) Chondrichthyes    b) Osteichthyes    c) Holostei                        d) Chondrostei
CO5	K1	9.	How do most reptiles reproduce? a) Viviparous                        b) Oviparous                        c) Asexual                        d) Budding
CO5	K2	10.	What is the role of the clitellum in earthworms? a) Locomotion    b) Sensory reception    c) Reproduction    d) Digestion

Course Outcome	Bloom's K-level	Q. No.	<b>SECTION - B (5 X 5 = 25 Marks)</b> <b>Answer ALL Questions choosing either (a) or (b)</b>
CO1	K3	11a.	Illustrate the binomial system of nomenclature and its rules with examples. <b>(OR)</b>
CO1	K3	11b.	Construct the animals based on the types of symmetry.
CO2	K3	12a.	Write in your own words about characteristic features of phylum arthropod. <b>(OR)</b>
CO2	K3	12b.	Classify molluscs into respective classes based on characteristics.
CO3	K4	13a.	Analyze the characteristics and classification of prochordates. <b>(OR)</b>
CO3	K4	13b.	Differences between class-chondrichthyes and class osteichthyes.
CO4	K4	14a.	Examine the characteristic features of reptilian belongs to two orders. <b>(OR)</b>
CO4	K4	14b.	Identify the key characteristics and flight adaptation of birds.
CO5	K5	15a.	Assess the earthworm's external morphology, burrowing and movement. <b>(OR)</b>
CO5	K5	15b.	Discuss the different types of scales in fishes.

Course Outcome	Bloom's K-level	Q. No.	<b>SECTION - C (5 X 8 = 40 Marks)</b> <b>Answer ALL Questions choosing either (a) or (b)</b>
CO1	K3	16a.	Comment general characteristics and classification of Phylum Protozoa. <b>(OR)</b>
CO1	K3	16b.	Explain the morphology, digestive system and life cycle of helminth, Ascaris.
CO2	K4	17a.	Categorize the process of torsion in gastropods and its significance. <b>(OR)</b>
CO2	K4	17b.	Comment on water vascular system of starfish and role in locomotion and feeding.
CO3	K4	18a.	Categorize the classification of amphibian and their unique characteristics. <b>(OR)</b>
CO3	K4	18b.	Analyze the general characteristics of Pisces.
CO4	K5	19a.	Discuss the classification of reptilia up to orders with examples. <b>(OR)</b>
CO4	K5	19b.	Select two orders of mammals and based on their key characteristics.
CO5	K5	20a.	Discuss the reproductive system of an Earthworm. <b>(OR)</b>
CO5	K5	20b.	Assess the excretory system and osmoregulation of fish.