

--	--	--	--	--	--	--	--	--	--



GIET UNIVERSITY, GUNUPUR – 765022
M. Sc. (Fourth Semester) Examinations, May' 2021
LSPC 401 – ANIMAL PHYSIOLOGY, EVOLUTION AND TAXONOMY
(Life Science – Animal Science)

Time: 2 hrs

Maximum: 50 Marks

PART – A**(2 x 10 = 20)**

Q.1. Answer all the questions

- a. Give an account on absorption of food.
- b. Write a note on cardiac cycle.
- c. Explain conduction of nerve impulse.
- d. Write short notes on Indian fossils.
- e. Explain the role of continental drift.
- f. Write an account on Allopatric speciation.
- g. Classify the levels of Taxonomy.
- h. Write a note on applications of numerical Taxonomy.
- i. State Hardy-Weinberg's Law.
- j. Write about the Significance of Chemotaxonomy.

PART – B**(6 x 5 = 30 Marks)**Answer ANY FIVE questions

Marks

- | | |
|--|-----|
| 2. Explain the role of breathing in gaseous exchange. | (6) |
| 3. Describe about the organs in the urinary system. | (6) |
| 4. Describe the difference between convergent and divergent evolution. | (6) |
| 5. Explain the important role of molecular evolution. | (6) |
| 6. Describe cosmopolitan and discontinuous animal distribution. | (6) |
| 7. Give an account on bipolar and isolated animal distribution. | (6) |
| 8. Discuss about the species concept. | (6) |
| 9. Write about the Cytotaxonomy and its significance. | (6) |

--- End of Paper ---