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GIET UNIVERSITY, GUNUPUR – 765022
M. Sc(Third Semester) Examinations, December' 2020
LSPC 301 – BIOLOGY OF NON-CHOR DATA
(ANIMAL SCIENCE)

Time: 3hrs

Maximum: 50 Marks

(The figures in the right hand margin indicate marks.)

Q.1. Answer **ALL** the questions (2 x 10 = 20)

- Polyp in Coelenterata
- Fission in protozoa
- Nauplius larva
- Adaptive features of helminth parasites
- Significance of torsion
- Bipinnaria larva
- Wag-tail dance in honey bee
- Life cycle of silk worm
- Sporulation in Protozoa
- Amoeboid locomotion in protozoa

PART – B (6 x 5 = 30 Marks)

Answer **ANY FIVE** questions

Marks

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| 2. Discuss the structure and affinities of Ctenophora. Add a note on its evolutionary significance. | (6) |
| 3. What are parasites? Discuss the parasitism in Protozoa with a suitable example, its pattern of infection and life cycle. | (6) |
| 4. Enumerate structure, characteristics and affinities of Peripatus | (6) |
| 5. What is a compound eye? Explain the mechanism of insect vision? | (6) |
| 6. Discuss the respiratory organs in Mollusca and add a note on mechanism of respiration in Mollusca | (6) |
| 7. Discuss the various patterns of water vascular pattern shown in Echinodermata with suitable diagrams | (6) |
| 8. Write an essay on the techniques, scientific approach and economic prospective associated with Pearl culture. | (6) |
| 9. Discuss the structure, affinities and evolutionary significance of Gastrotricha. | (6) |

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