



मैट्स विश्वविद्यालय मुक्त एवं दूरवर्ती शिक्षा कार्यक्रम आरंग, रायपुर (छ0ग0)

MATS UNIVERSITY OPEN & DISTANCE LEARNING CENTRE ARANG, RAIPUR (C.G.)

सत्रीय कार्य / Assignment Work – 2012-13

M.Sc. (Zoology)

Max Marks – 30

Min Marks-12

निर्देश : सत्रीय कार्य के प्रत्येक विषय में कुल 30 अंक हैं। सभी प्रश्नों के अंक समान होंगे। सभी प्रश्न हल कीजिए। (Assignment Work of each paper carries 30 Marks. All questions carry equal marks. Attempt all questions.)

Paper-I (Biosystematics, Taxonomy and Biostatistics)

1. Explain the different cases in short when the Biological species concept is applied.
2. Differentiate (i) Histogram from bar diagram.(ii) Frequency polygon from frequency curve.
3. The mean of a Binomial distribution is 20 and standard deviation 4.find out n.p and q.

Paper-II (Structure and Function in Invertebrate)

1. What is the significance of animal classification write of importance of modern classification system.
2. Classify the phylum metazoan, up to order.
3. Describe the Reproductive system of Arthropoda.

Paper-III (Endocrinology and Molecular Cell Biology)

1. Describe the structure and Function of plasma membrane.
2. Give an account of the structure and function of Golgi Complex.
3. plain the mechanism of DNA Repleiction in Eukaryotes.

Paper-IV (Population-Genetics, Evolution and Gamete Biology)

1. Write a brief note on polymorphism.
2. Write brief note on assertive mating.
3. Write short note an natural selection.

Paper-V (Tools and Techniques for Biology and Environmental Physiology)

1. What is Microscope write the various type and function of Microscope?
2. What do you mean by Biogeochemical cycle.
3. What is a Ecosystem. Explain by fresh Water Ecosystem.
