

**MIZORAM PUBLIC SERVICE COMMISSION**  
**MIZORAM CIVIL SERVICES (COMBINED COMPETITIVE)**  
**MAIN EXAMINATION, 2023**

**ZOOLOGY PAPER-I**

Time Allowed : 3 hours

FM : 100

*Marks for each question is indicated against it.*

*Attempt any 5 (five) questions taking not more than 3 (three) questions from each Part.*

**PART - A**

1. Elaborate with diagrams on the different modes of locomotion in Protozoa with respect to different locomotor organelles and cite suitable examples. **(20)**
2. Give an account of the classification and characteristics of Platyhelminthes. **(10+10=20)**
3. Discuss locomotion and migration in pisces. **(8+12=20)**
4. What are the functions and significance of teeth? Discuss the different dentition found in mammals with diagrams. **(5+15=20)**

**PART- B**

5. What are the attributes of a population? Describe population growth curves and population regulation? **(3+10+7=20)**
6. What is the Continental Drift theory? Describe its significance and impact on global animal diversity? **(5+15=20)**
7. What is integrated pest management? Discuss the different elements of IPM program in the control of insect pests along with the advantages of IPM? **(2+12+6=20)**
8. Describe correlation, regression and analysis of variance. Briefly explain the application of each in scientific research. **(15+5=20)**

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