

M.Sc. Zoology Semester –I Examination
October – November- ~~2011~~ CODE: 20468 **Paper MSc Zoo 01**
[Cell biology and Animal diversity]

Time: **2.5** Hours

Total Marks – **70**

Instruction: 1) Attempt all questions.
2) Figures on right indicate the marks.
3) Draw labelled diagram wherever required.

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| Que. 1 | Describe different types of epidermal glands of vertebrate. | 14 |
| | OR | |
| Que. 1 | Give Comparative account of Ear of aves and mammals. | 14 |
| Que. 2 | Write down the principle of centrifugation along with its types and applications in the field of cell biology. | 14 |
| | OR | |
| Que. 2 | Write notes: a. Flurochromes. | 07 |
| | b. Sonication. | 07 |
| Que. 3 | Describe ultra structure of cell membrane | 14 |
| | OR | |
| Que. 3 | Write notes: a. Peroxisome. | 07 |
| | b. Structure and functions of Golgi body. | 07 |
| Que. 4 | Describe taxonomy of invertebrate. | 14 |
| Que. 4 | Give comparative account of Eye of aves and mammals. | 14 |
| Que. 5 | Give detail comparative account of water vascular system of any two class of Echinodermata. | 14 |
| | OR | |
| Que. 5 | Describe locomotory organ of lower phylum of invertebrates. | 14 |