

UNIVERSITY OF JAMMU

Notification

Syllabus of Entrance/Screening Test for the post of Museum Cum Animal Keeper (Zoology)

| S.No. | Examination Type | Units | No. of Questions | Marks | Duration |
|-------|--------------------------|---------------------------------------|------------------|-------|----------|
| 1. | Multiple Choice question | Microscopy and Cell Characteristics | 10 | 10 | 2hrs |
| 2. | | Taxonomic hierarchy and Terminology | 20 | 20 | |
| 3. | | Biodiversity and its conservation | 40 | 40 | |
| 4. | | Preservation and Staining techniques | 20 | 20 | |
| 5. | | Fundamentals of Computer Applications | 10 | 10 | |

I. Microscopy and Cell Characteristics

- Types of microscopes and their function.
- Cell structure and its functions.

II. Taxonomic hierarchy and Terminology

- Taxonomic hierarchy
 - a. Ranks, Categories and Taxonomic groups
 - b. Zoological Nomenclature
- Terminology used in classification of Animals
 - a) Genus b) Species c) Sub-species

III. Biodiversity and its conservation

- General characters of chordates with examples
- General characters of non-chordates with examples
- Biosphere reserve
- Faunal diversity of J&K
 - a) Fishes b) Birds c) Mammals
- Wildlife sanctuaries and National parks of J&K
- Red Data Book
- Endemic species

IV. Preservation and Staining techniques

- Preservation techniques

Insects, Fishes, Amphibians, Reptiles, Birds

- Staining Techniques

Blood smear, Tissue preparation, Gram staining, chromosome preparation

V. Fundamentals of Computer Applications

- a) Fundamentals of computer Science
- b) Basic applications of computer and its components
- c) Hardware and software
- d) Input and output devices
- e) Knowledge of MS Word, MS Excel, MS Power point, MS Access and Email

No. Estab/C&R-NTW/21/1081

Dated: 31-12-2021

Masrobia
REGISTRAR
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