

# ***SYLLABUS FOR CLINICAL RESEARCH OFFICER UNDER HEALTH & FAMILY WELFARE DEPARTMENT***

The examination will comprise of the following papers:

<b><i>Sl. No.</i></b>	<b><i>Subject</i></b>	<b><i>Marks Allotted</i></b>	<b><i>Duration</i></b>
(1)	Paper - I	: 200	3 hrs.
(2)	Paper - II	: 200	3 hrs.
(3)	Paper - III	: 200	3 hrs.
(4)	Paper - IV	: 200	3 hrs.
	Total	: 800	
	Personal Interview	: 100	

## **DETAILS OF SYLLABUS :**

### **(1) Paper-I**

- (a) Current events of national and international importance
- (b) History of India and Indian National Movement
- (c) Indian and World Geography - Physical, Social, Economic Geography of India and the World
- (d) Indian Polity and Governance - Constitution, Political System, Panchayati Raj, Public Policy, Rights Issues, etc.
- (e) Economic and Social Development Sustainable Development, Poverty, Inclusion, Demographics, Social Sector initiatives, etc.
- (f) General issues on Environmental Ecology, Bio-diversity and Climate Change - that do not require subject specialization
- (g) General Science
- (h) General awareness on Mizo culture, its heritage and society

### **(2) Paper-II**

- (a) Comprehension
- (b) Interpersonal skills including communication skills
- (c) Logical reasoning and analytical ability
- (d) Decision-making and problem-solving
- (e) General mental ability
- (f) Basic computer knowledge
- (g) Basic numeracy (numbers and their relations, orders of magnitude, etc.), Data interpretation (charts, graphs, tables, data sufficiency etc.) (Class X level)
- (h) English Language Comprehension skills (Class XII level)

### **(3) Paper - III**

- (a) General Immunology
- (b) Cell Biology and organization
- (c) Microbiology especially pertaining to common disease causing organisms.
- (d) Human genetics
- (e) Molecular biology
- (f) Bio informatics and general statistics.

### **(4) Paper - IV**

- (a) Diagnostics in microbiology including molecular tests
- (b) Applied biology – cytogenetics, molecular etc.
- (c) Applied biochemistry
- (d) Cancer biology, pathology
- (e) Clinical trials – types and phases
- (f) Basic treatment modalities – including cancer treatment

### **PERSONAL INTERVIEW**

Total marks : 100