



**GOVERNMENT OF MIZORAM
HEALTH & FAMILY WELFARE DEPARTMENT
MIZORAM SECRETARIAT BUILDING, MINECO, KHATLA
AIZAWL-796001**

...
Dated Aizawl, the 8th September, 2023

NOTIFICATION

No.A.42011/6/2022-HFW: In the interest of public service, the competent authority is pleased to notify Syllabus for Direct Recruitment to the post of Junior Administrative Grade of MHS under Super Specialist Sub-Cadre (Department of Surgical Oncology) under Health & Family Welfare Department as per Appendix.

Sd/-ESTHER LAL RUATKIMI
Principal Secretary to the Govt. of Mizoram
Health & Family Welfare Department

Memo No.A.42011/6/2022-HFW : Dated Aizawl, the 8th Sept., 2023

Copy to:

1. P.S. to Minister, Health & Family Welfare Department.
2. P.S. to Principal Secretary, Health & Family Welfare Department.
3. Principal Director, Health & Family Welfare Department.
4. Director of Health Services.
5. Director, Hospital & Medical Education.
6. Controller, Printing & Stationary Department with 6 (six) spare copies for publication in the Mizoram Gazette.
7. Guard file.



Under Secretary to the Govt. of Mizoram
Health & Family Welfare Department

**SYLLABUS FOR DIRECT RECRUITMENT TO THE POST OF SURGICAL ONCOLOGY
(LEVEL 12) UNDER HEALTH & FAMILY WELFARE DEPARTMENT**

1) Paper – I General English	:	100 Marks
2) Paper - II General Studies	:	100 Marks
3) Paper – III (Technical Paper)	:	200 Marks
4) Paper – IV (Technical Paper)	:	200 Marks
5) Paper – V (Technical Paper)	:	200 Marks
Total	:	800 Marks

Notes:

1. Question in Paper – I shall be set either in multiple type questions or conventional type question.
2. Questions in Paper II shall be set in multiple type questions only.
3. 50% of questions in Paper III, IV and V (Technical Papers) shall be set in multiple type questions and the remaining 50% in conventional type questions.

DETAILS OF SYLLABUS:**PAPER – I (General English) – 100 marks**

(a) Précis Writing	:	14 Marks
(b) Letter Writing	:	10 Marks
(c) Comprehension of given passages	:	10 Marks
(d) Grammar: Parts of Speech (MCQ)	:	30 Marks
(e) Correct usage and Vocabularies (MCQ)	:	16 Marks
(f) Formation of Sentence (MCQ)	:	20 Marks

(i) Verbs

Tenses :

Present/past forms, Simple/continuous forms, Perfect forms, Future time reference

(ii) Sentence Structure

*Connectors**Types of sentences:* Affirmative/interrogative sentences, Negation, Exclamations*Types of Phrases and Clauses:* finite and non-finite subordinate clauses, noun clauses and phrases, adjective clauses and phrases, adverb clauses and phrases*Narration (Direct and Indirect speech)***PAPER – II (General Studies) - 100 Marks**

- (a) Current events of state, national and international importance : 12 marks
- (b) History of India and Indian National Movement : 12 marks
- (c) Indian and World Geography - Physical, Social, Economic Geography of India and the World : 12 marks
- (d) Indian Polity and Governance - Constitution, Political System, Public Policy, Duties & Rights Issues: 12 marks
- (e) Economic and Social Development Sustainable Development, Poverty, Inclusion, Demographics, Social Sector initiatives, and other related issues : 12 marks
- (f) General issues on Environmental Ecology, Bio-diversity and Climate : 12 marks
- (g) General Science: 12 marks
The topics listed above shall cover the State of Mizoram wherever applicable.
- (h) General awareness on Mizo culture, its heritage and society – 16 marks

Note: Paper III, IV, V are classified as Technical Papers. 50% of questions in Technical Papers shall be set in multiple choice questions and the remaining 50% shall be set in conventional type questions.

PAPER – III (TECHNICAL PAPER) – 200 marks

Basic Sciences and Molecular Biology of Cancer

1. Etiology of Cancer – 40 marks
2. Cancer Biology and Tumour Immunology – 30 marks
3. Molecular Methods in Cancer – 30 marks
4. The Cancer Genome – 30 marks
5. Cancer Susceptibility Syndromes – 30 marks
6. Cancer Prevention, Screening and Early Detection – 40 marks

PAPER – IV (TECHNICAL PAPER) – 200 marks

Cancer Therapeutics

1. Cancer Pathology – 25 marks
2. Radio-Imaging for Cancer – 25 marks
3. Neoadjuvant and Adjuvant Therapy, and Multi-Disciplinary management of Cancer - 25 marks
4. Pharmacokinetics and Pharmacodynamics of Anticancer Drugs – 25 marks
5. Principles of Endocrine Therapy and Bio-Therapeutics – 25 marks
6. Radiation Biology and Essentials of Radiation Therapy – 25 marks
7. Principles of Surgical Oncology – 25 marks
8. Palliative Care in Surgical Oncology – 25 marks

PAPER – V (TECHNICAL PAPER) – 200 marks

Systemic Surgical Oncology

1. Head and Neck
 - 1) Common Cancers of the Head and Neck – 4 marks
 - 2) Management of Neck Nodes – 4 marks
 - 3) Rehabilitation after Treatment – 4 marks
2. Thoracic
 - 1) Lung and Bronchus – 4 marks
 - 2) Esophagus – 4 marks
 - 3) Neuroendocrine Tumours of the Lung – 4 marks
 - 4) Chest Wall and Mediastinum – 4 marks
3. Breast
 - 1) Early – 4 marks
 - 2) Locally-Advanced and Metastatic – 4 marks
 - 3) Breast Conservation, Reconstruction and Onco-Plastic Surgery – 4 marks
 - 4) Sentinel Lymph Node Biopsy – 4 marks
4. Gastrointestinal Tract
 - 1) Stomach – 4 marks
 - 2) Pancreas - 4 marks
 - 3) Liver – 4 marks
 - 4) Gallbladder and Biliary Tract – 4 marks
 - 5) Small Bowel – 4 marks
 - 6) Colon -4 marks
 - 7) Rectum 4 marks
 - 8) Anal Canal - 4 marks
 - 9) Gastrointestinal Stromal Tumor (GIST) – 4 marks

5. Genitourinary System
 - 1) Kidney – 4 marks
 - 2) Bladder, Ureter, Renal Pelvis – 4 marks
 - 3) Prostate – 4 marks
 - 4) Urethra and Penis – 4 marks
 - 5) Testis – 4 marks

6. Gynecologic Cancers
 - 1) Cervix, Vagina and Vulva – 4 marks
 - 2) Uterine Body – 4 marks
 - 3) Ovary – 4 marks
 - 4) Gestational Trophoblastic Neoplasia – 4 marks

7. Endocrine System
 - 1) Thyroid and Parathyroid – 4 marks
 - 2) Adrenal – 4 marks
 - 3) Carcinoid Tumours and Carcinoid Syndrome – 4 marks
 - 4) Multiple Endocrine Neoplasia – 4 marks

8. Sarcomas of Soft Tissue and Bone
 - 1) Soft Tissue Sarcoma – 4 marks
 - 2) Skeletal Malignancies – 4 marks

9. Cancers of the Skin
 - 1) Squamous Carcinoma and Basal Cell Carcinoma – 4 marks
 - 2) Melanoma – 4 marks

10. Neoplasms of the Central Nervous System – 7 marks
11. Cancers in Adolescence and Young Adults – 7 marks
12. Cancers of Unknown Origin – 7 marks
13. Oncologic Emergencies – 10 marks
14. Reconstruction and Restorative Techniques – 7 marks
15. Rehabilitation in Cancer – 7 marks
16. Recent Advances in Cancer Management – 7 marks
