



College of Physicians and Surgeons of Mumbai

Syllabus for CPS-PG-Course

DIMM-DIPLOMA IN IMMUNOLOGY

College of Physicians and Surgeons of Mumbai

CPS House, Dr. E. Borges Marg, Parel, Mumbai – 400012.

DIMM-DIPLOMA IN IMMUNOLOGY

COURSE DESCRIPTION

Eligibility Criteria for Candidates:

- i. A candidate should possess MBBS degree/ equivalent degree as per provisions of Indian Medical Council Act.
&
- ii. Candidates having a recognized 3 years degree Qualification (MD/MS/DNB) any General Medicine or Pathology
or 2 years Diploma Qualification in General Medicine or Pathology specialty

Duration of the Course : 2 years

Components of the immune system

- _ Innate and acquired immunity
- _ Cells involved in immune response
- _ Antigens
- _ Immunoglobulins
- _ Mucosal immunity
- _ Complement
- _ Antigen & antibody reactions
- _ Hypersensitivity
- _ Humoral & Cell mediated immunity
- _ Cytokines
- _ Immunodeficiency
- _ Auto-immunity
- _ Immune tolerance
- _ MHC complex
- _ Transplantation immunity
- _ Tumor immunity
- _ Vaccines and immunotherapy
- _ Measurement of immunological parameters
- _ Immunological techniques
- _ Immunopotentiality & immunomodulation

Laboratory training

-Collection of blood by venepuncture, separation of serum and preservation of serum for short and long periods.

Performance of serological tests viz. Widal, Brucella tube agglutination, indirect hemagglutination, VDRL, ASO, Rose Waaler test, IFA. Enzyme linked immunosorbent assay

Latex agglutination tests

_ Separation of lymphocytes by centrifugation, gravity sedimentation etc.

Posting

-Bacteriology

-Mycology

Immunology

Parasitology

-Mycobacteriology

-Serology and Virology

DIMM-DIPLOMA IN IMMUNOLOGY**EXAMINATION PATTERN****Theory Examination:**

PAPER I	PAPER II	PAPER III
ANATOMY PHYSIOLOGY	THERAPEUTICS	Applied Sciences
Section I	Section I	Section I
Q.1. 10 Marks	Q.1. 10 Marks	Q.1. 10 Marks
Q.2. 10 Marks	Q.2. 10 Marks	Q.2. 10 Marks
Q.3. 10 Marks	Q.3. 10 Marks	Q.3. 10 Marks
Q.4. 10 Marks	Q.4. 10 Marks	Q.4. 10 Marks
Q.5. 10 Marks	Q.5. 10 Marks	Q.5. 10 Marks
Total 50 Marks	Total 50 Marks	Total 50 Marks
Section II	Section II	Section II
Q.6. 10 Marks	Q.6. 10 Marks	Q.6. 10 Marks
Q.7. 10 Marks	Q.7. 10 Marks	Q.7. 10 Marks
Q.8. 10 Marks	Q.8. 10 Marks	Q.8. 10 Marks
Q.9. 10 Marks	Q.9. 10 Marks	Q.9. 10 Marks
Q.10. 10 Marks	Q.10. 10 Marks	Q.10. 10 Marks
Total 50 Marks	Total 50 Marks	Total 50 Marks
Section I + II = 100 Marks	Section I + II = 100 Marks	Section I + II = 100 Marks
Total Theory = 300 Marks, Passing = 150 (i.e. 50%) Marks in aggregate		

Practical Examination:		Marks
Paper - IV	Clinical Practical	100
Paper - V	Oral & Viva	100
Paper - VI	Case	100
Total Marks	(Aggregate marks for passing is 50% out of total.)	300