

VEER NARMAD SOUTY GUJARAT UNIVERSITY, SURAT.

M.D.

MICROBIOLOGY

The degree will be called M.D. (Microbiology).

The Cariculum will consist of a programme of Lecture , Seminar, Symposium, demonstration, practiclas etc. on following topics.

FOR THEORY

- (1) General Microbiology
- (2) Applied Basic Science related to Microbiology & Immunology.
- (3) Systemic Medical Microbiology.
- (4) Medical Mycology
- (5) Medical Parasitology.
- (6) Medical Virology
- (7) Immunology.
- (8) Clinical Pathology & Hematology.

FOR PRACTICAL TRAINIG

A course of Practical training will be in

- Diagnostic Microbiology
- Diagnostic Immunology
- Clinical Microbiology
- Mycology and Parasitology and Virology
- Medical Preparation
- Care of Laboratory Animal experiments
- Field investigation at the time of disease out break.
- Knowledge of Principle and careful use of instruments.
- Microbiology visiting reference center during the study tour.

After Completion of three years or six terms at recognized department Microbiology at recognized Institution .

Each candidate will have to submit a dissertation according to the existing rules of South Gujarat University .

At the end of the course an examination shall be conducted under South Gujarat University rules.

Admission of candidate for M.D. Microbiology will be taken as per MCT Rules and South Gujarat University Rules.

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APPENDIX - III

The following modification in the Ordinances regarding postgraduate degrees (M.D. / M.S.) are suggested in order to separate the two postgraduate subjects of pathology and Microbiology.

- Q. 1 The degree of doctor of Medicine shall be conferred examination and a dissertation in the following branches.
1. Medicine and Therapeutics.
 2. Pathology (The word Bacteriology should be deleted from O.I. 2.)
 3. Obsterics , Gynaecology and diseases of the newborn.
 4. Pharmacology .
 5. Anaesthesiology
 6. Paediatrics .
 7. Preventive and social Medicine.
 8. Physiology.
 9. Microbiology.
 10. XI should be modified as follows :-
 - a) For M.D. Br. II (Pathology) and Br. IX Microbiology the examination shall be as under :-
M.D. Br. II (Pathology)
 - b) Theory examination :-
Paper I. Basic Medical Sciences.
Paper II Pathology and immunology.
Paper III Pathology including Haematology.
Paper IV Essay.

Note :- Each paper will be of three hours duration Option theme shall be given for the essay.

Practicals and viva voce will extend over not less than two days and not more than four days.

- a) M.D. Br. IX (Microbiology).
- " Theory examination :-

Paper I Applied Basic Medical Sciences as related to Microbiology.

Paper II General Microbiology including Immunology.

Paper III Systemic Microbiology and Helminthology.

Paper IV Virology and Medical Mycology etc.

Noted : 1 Each paper shall be of three hours duration.

2 Optional theme shall be given for essay.

B. Practical and viva voce will extend over not less than two days and not more than four days.

O.XII. Approved appointment for M.D. Br. II and M.D. Br. IX.

1. Junior lecturer or an equivalent posts in a recognized department of Microbiology.
2. Resident Pathologist .
3. Research Officers, working in recognized department of Microbiology.

4. (A) A candidate for M.D. (Br.II) will be required to put in one academic term in Microbiology.

(B) A candidate for M.D. (Br. IX) will be required to put in one academic term training in clinical pathology.

Reference Books Available :-

1. Principles of Bacteriology , Virology, and Immunology Topology and Wilson's in five volumes.
2. Dignestic Microbiology by S.M. Finegold and W.J. Martin.
3. Clinical Immunology - Brosteff scadding Male and Reitt.
4. Text book of Human virology by R.B. Belshe.
5. Medical Mycology - Kwon chang and Bennett.
6. Parasitology - Clinical parasitology. Beaver Jung and cupp.

And more than 100 books readily available in departmental library at Deptt. of Microbiology , Govt. Medical College , Surat.

Objective of starting P.G. Centre to produce more and more experience degree candidate in Microbiology.