

M.Sc. (Microbiology)

1st Year

Paper Code	Subject	Evaluation Scheme			
		Univ. Exam.	IA	Viva	Total
0106101	Basics of Anatomy	100	20	20	140
0106102	Basics of Physiology	100	20	20	140
0106103	Basics of Biochemistry	100	20	20	140
0106104	Biostatistics & Research Methodology	80	20	-	100
0106105	Basics of Anatomy (Practical)	40	20	-	60
0106106	Basics of Physiology (Practical)	40	20	-	60
0106107	Basics of Biochemistry (Practical)	40	20	-	60
Total		500	140	60	700

2nd Year

1. Course prescribed in the 3rd year will be taught in both 2nd & 3rd years, but there will be no formal examination in 2nd year.
2. The student will conduct Research, collect literature for Dissertation, and give seminars during second year.

3rd Year

Paper Code	Subject	Evaluation Scheme			
		Univ. Exam	IA	Viva	Total
0106301	General Bacteriology & Immunology	75	60	40	100
0106302	Systematic Bacteriology and Mycology	75			100
0106303	Virology & Parasitology	75			100
0106304	Applied Microbiology and Recent Advances in Microbiology	75			100
0106305	Microbiology (Practical)	150	50	-	200
Total		450	110	40	600

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Guidelines for Paper Setting:

- (i) **Theory**
- (a) Duration of theory Paper shall be 03 hours.
- (b) Maximum marks shall be as given under relevant Sections of Clause 1 (Distribution of Marks) above.
- (c) **The pattern of question paper in all courses except Research Methodology and Biostatistics shall consist of questions as under:**
- (d) **M.Sc. 1st year- The Question paper of 100 marks will be divided into Section A and Section B, each section will have the following pattern of questions:**
- 1 long structured question of 10 marks = 10 marks
 - 1 question with 3 short notes of 5 marks each = 15 marks.
 - 1 question with 5 sub questions of 3 marks each = 15 marks.
 - 10 MCQs of 1 mark each = 10 marks
- (e) **M.Sc. 3rd year- Each question paper of 75 marks will have the following pattern of questions.**
- 3 long structured questions of 10 marks each = 30 Marks.
 - 1 question with 4 short notes of 5 marks each = 20 Marks.
 - 1 question with 5 sub questions = 25 Marks.
(conceptual/ logical/ applied aspect/ Reasoning)
of 5 marks each
- (f) All the questions in all courses except Research Methodology and Biostatistics are compulsory.
- (g) The question paper of Research Methodology and Biostatistics will consist of five Sections. Sections I-IV each will have two questions from the corresponding Sections of the syllabus. Candidates will be required to attempt one question from each Section. Each question in Sections I-IV will carry 15 marks. Section V will compulsory. It will carry 20 marks and will consist of 10 questions of short answer type questions (not more than five lines or fifty words), each of 2 marks. The questions in this Section will be set from the entire syllabus i.e. all Sections. The student will be required to attempt all the questions in Section V.
- (h) Question paper should be set from the entire syllabus.
- (i) Marks should be indicated against the question.
- (j) There should be no repetition of question.
- (k) Half of the question papers will be set by the External Examiners and half by Internal Examiners **M.Sc. 1st year papers will be divided into 2 parts, part A**

and part B. One part will be set by external examiner and other by the internal examiner.

- (l) In M.Sc. 3rd year out of four question papers, two question papers will be set by the external examiner and other two question papers will be set by the internal examiner on rotation basis every year.
- (m) Examination will be coordinated and moderated by the senior most Internal Examiner.
- (n) Papers set by the External Examiners and the Internal Examiners will be evaluated by them jointly.
- (o) Paper Setter should refer to the sample question papers for guidance to be sent by the Controller of Examinations to the examiner.
- (ii) Practicals:
Maximum marks and their distribution shall be as given under relevant Sections of Clause 1 (Distribution of Marks) above.
- Board of two examiners, one internal and one external, shall conduct the practical examinations in M.Sc. 1st year.
 - Board of 04 examiners shall conduct the practical examinations in M.Sc. 3rd year. The Board shall consist of 02 internal and 02 external examiners.
 - Pattern of practical examination shall be as per decision by the concerned Departments.

Ganesh

DISSERTATION

Guidelines

- i) Each M.Sc. Medical student will carry, out research work under the supervision of a faculty member (Guide) with post-M.D./ Ph.D. teaching experience of three years or more in the subject. However, a teacher with M.D/Ph.D. degree in the subject or related subjects shall be qualified for being taken in as Co-guide.
- ii) Allotment of topic and guide: The thesis topic and guide will be decided by the head of the Department in cónsultation with other faculty member within first 2 months of joining M.Sc.
- iii) **Writing of Thesis Protocol:** The M.Sc. Student will write the protocol as per guideline of the University and submit to the guide.
- iv) **Presentation in the Department:** The guide will then with the permission of HOD ask the student to make a presentation of dissertation synopsis in front the Department faculty around four month of joining M.Sc. programme. If there are any changes suggested then final presentation of thesis synopsis will be made and the protocol will be finalized in next 15 days. After correction and approval from the department the dissertation synopsis will be forwarded to Sectional Committees which will review the synopsis and forward the same after approval to the Institutional Research Committee.
- v) In case, the Plan is disapproved, a fresh Plan must be submitted within one month to the Sectional Committee for approval. The protocol will be then presented by the candidate to Institutional Research Committee and this will be done in next 1 month.
- vi) **Ethical Clearance:** after the Institutional Research Committee approves the synopsis it will be forwarded to Institutional Ethical Committee for approval.
- vii) **Final protocol submission:** After the Ethical Committee Clearance, the copy of synopsis is to be forwarded to the Dean Research and Development who will forward the synopsis to the controller of Examination by end of next month i.e. by end of February/March next year.
- viii) The progress of work will be monitored regularly by the Guide. The Dissertation not exceeding 100 pages typed on A4 paper on one side only in double spacing, bound indicating on the outside cover its title and name of the candidate, is to be submitted to the University through the Guide six months before the 3rd year University examination. Vancouver style of citations will be followed for citation of references in the Dissertation. A student is required to submit four hard copies of the Dissertation along with the soft copy in the prescribed format given by the University.
- ix) If the circumstances so, warrant, a change in supervisor may be carried out at the request of the candidate or supervisor to the Head of Department who will convene the meeting of DRC to decide the change.

DRC will review the request and recommend the proposal to the Dean, FMHS for approval. The change will be duly communicated to the Registrar & Controller of Examination.

- x) The Dissertation will be evaluated by one external examiner and one internal examiner as approved by the Vice-Chancellor. The approval of the thesis by the panel will be a pre-requisite for the candidate to appear in the written/practical examination of 3rd year. The examiner shall report whether the dissertation is accepted or rejected or returned for revision. If the Dissertation is returned for revision, the suggested revision must be done and the revised Dissertation submitted for evaluation to the examiner(s) who has/have suggested for the revision. After approval the dissertation shall become the property of SGT University.
- xi) After approval of revised thesis, the candidate can appear in the next 3rd year examination provided the approval is received one month before the examination. If the thesis is disapproved, the entire process from submission of a new Plan to submission of Thesis is to be repeated. On approval of new thesis, the candidate can appear in the next 3rd year examination provided there is a one month gap between the receipt of approval and commencement of examination.

