

SUMANDEEP VIDYAPEETH

(Declared as Deemed to be University under Section 3 of the UGC Act 1956)

Accredited by NAAC with a CGPA of 3.53 out of four-point scale at 'A' Grade

At & Post Piparia, Tal: Waghodia 391760 (Gujarat) India.

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CURRICULUM

BACHELOR OF MEDICINE & BACHELOR OF SURGERY (M.B.B.S.)

Attested CTC

Charaney
15/2/2021

Vice-Chancellor

Sumandeep Vidyapeeth

An Institution Deemed to be University

Vill. Piparia, Taluka: Waghodia.

Dist. Vadodara-391 760. (Gujarat)



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SUMANDEEP VIDYAPEETH

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FACULTY OF MEDICINE

Based on Regulations of Graduate Medical Education, Medical Council of India, 1997.

Program Outcomes (M.B.B.S.)

The undergraduate medical education program is designed with a goal to create an "Indian Medical Graduate" (IMG) possessing requisite knowledge, skills, attitudes, values and responsiveness, so that she or he may function appropriately and effectively as a physician of first contact of the community while being globally relevant. To achieve this, the following goals for the learner of the Indian Medical Graduate training program are hereby prescribed:-

Program Specific Outcomes (M.B.B.S.)

At the end of undergraduate program, the Indian Medical Graduate should be able to:

POS 1: Recognize "health for all" as a national goal and health right of all citizens and by undergoing training for medical profession fulfill his/her social obligations towards realization of this goal.

POS 2: Learn every aspect of National policies on health and devote herself/himself to its practical implementation.

POS 3: Achieve competence in practice of holistic medicine, encompassing promotive, preventive, curative and rehabilitative aspects of common diseases.

POS 4: Develop scientific temper, acquire knowledge and educational experience for proficiency in profession and promote healthy living.

POS 5: Become exemplary citizen by observance of medical ethics and fulfilling social and professional obligations, so as to respond to national aspirations.

POS 6: Be competent in diagnosis and management of common health problems of the individual and the community, commensurate with his/her position as a member of the health team at the primary, secondary or tertiary levels, using his/her clinical skills based on history, physical examination and relevant investigations.

POS 7: Be competent to practice preventive, promotive, curative and rehabilitative medicine in respect to the commonly encountered health problems.

POS 8: Appreciate rationale for different therapeutic modalities, be familiar with the administration of the "essential drugs" and their common side effects.

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POS 9: Be able to appreciate the socio-psychological, cultural, economic and environmental factors affecting health and develop humane attitude towards the patients in discharging one's professional responsibilities.

POS 10: Be familiar with the basic factors which are essential for the implementation of the National Health Programs including practical aspects.

POS 11: Acquire basic management skills in the area of human resources, materials and resource management related to health care delivery, General and hospital management, principal inventory skills and counseling.

POS 12: Be able to identify community health problems and learn to work to resolve these by designing, instituting corrective steps and evaluating outcome of such measures.

POS 13: Be able to work as a leading partner in health care teams and acquire proficiency in communication skills.

POS 14: Be competent to work in a variety of health care settings.

POS 15: Have personal characteristics and attitudes required for professional life including personal integrity, sense of responsibility and dependability and ability to relate to or show concern for other individuals.

POS 16: Become a clinician who understands and provides preventive, promotive, curative, palliative and holistic care with compassion.

POS 17: Become a. Leader and member of the health care team and system with capabilities to collect analyze, synthesize and communicate health data appropriately.

POS 18: Become a Communicator with patients, families, colleagues and community.

POS 19: Become a Lifelong learner committed to continuous improvement of skills and knowledge.

POS 20: Become a Professional, who is committed to excellence, is ethical, responsive and accountable to patients, community and profession.

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1. Admission to the MBBS course – Eligibility Criteria

1.1 A candidate for Degrees of MBBS for being eligible for admission to the Medical College affiliated to this University must have:

1.1.1 Passed the Higher Secondary Examination of XII Standard in Science Stream conducted by the Gujarat Higher Secondary Education Board or its equivalent examination recognized by this University with Physics, Chemistry, Biology, and English as Compulsory subjects.

1.1.2 Passed in the subjects of Physics, Chemistry, Biology and English individually and must have obtained a minimum of 50% marks taken together in Physics, chemistry and Biology at the qualifying examination.

1.1.3 Passed the entrance examination conducted by this University at the national level

1.1.4 Completed the age of 17 years at the time of admission or shall complete the same on or before 31st December of the year of admission to the First MBBS course.

1.2 Admission process A student shall be admitted strictly on merit decided by the merit list prepared by this university on basis of the entrance test referred to above 1.1.3.

Notes

- (1) Admission to MBBS course and enrollment of the student with University will be strictly based on rules in vogue and duly framed by the competent authority i.e Medical Council of India / Government of India / Government of Gujarat/SumandeepVidyapeeth.
- (2) Migration of a medical student from college/s of this University to any other medical college in India will be strictly on the basis of rules of Medical Council of India to this effect.
- (3) Any rule modified by a competent authority i.e. Medical Council of India, duly notified through the Gazette of India will take effect from the date of publication in the Gazette, whether the same is adopted or not by University at the given time.

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2. The academic year for the students in the Faculty of Medicine shall consist of two terms. Academic year for I MBBS will start from 1st August of a year and not later than 30th September of that year in any case.

3. Training Period and Time Distribution

3.1 Every student for the degrees of M.B.B.S shall undergo a period of certified study extending over 4 ½ academic years divided into 9 Terms, (i.e of 6 months each) from the date of commencement of his study for the subjects comprising the medical curriculum to the date of completion of examination and followed by one year of compulsory rotating internship. Each term will consist of approximately 135 teaching days of 8 hours each of college working time, including one hour of lunch.

3.2 The period of 4 ½ years is divided into three phases as follows:-

3.2.1 Phase – I (two Terms) - consisting of Pre-clinical subjects (Human Anatomy, Physiology including Bio-Physics, Biochemistry, Introduction to Community Medicine including Humanities and Evidence-based Education system).

3.2.2 Phase – II (three Terms) - consisting of Para-clinical/clinical subjects

3.2.2.1 During this phase teaching of Para-clinical and clinical subjects shall be done concurrently.

3.2.2.2 The Para-clinical subject shall consist of Pathology, Pharmacology, Microbiology, Forensic Medicine including Toxicology, part of Community Medicine and Evidence-based Education system.

3.2.2.3 The clinical subjects shall consist of all those detailed below in Phase III.

3.2.3 Phase – III (Continuation of study of clinical subjects for seven Terms after passing Phase – I)

3.2.3.1 The clinical subjects to be taught during Phase – II & III are Medicine and its allied specialties, Surgery and its allied specialties, Obstetrics & Gynaecology and Community Medicine.

3.2.3.2 Medicine and its allied specialties training will include General Medicine, Pediatrics, Pulmonary Medicine, Skin & Sexually Transmitted diseases, Psychiatry, Infectious diseases etc. Surgery and its allied specialties training will include General Surgery, Orthopedic Surgery including Physio-therapy and Rehabilitation, Ophthalmology, Otorhinolaryngology, Anesthesiology, Dentistry, Radiology etc. Obstetrics & Gynaecology training will also include family medicine, family welfare planning etc.

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3.2.3.3 In addition, students shall continue to learn Evidence-based Education system as a subject.

3.3. First two Terms (approximately 240 teaching days) shall be devoted as the Phase – I (Pre-clinical) subjects and introduction to a broader understanding of the perspectives of medical education leading to delivery of health care. No student shall be permitted to join the Phase – II (Para-clinical/clinical) group of subjects until he has passed in all the Phase – I (Pre-clinical) subjects.

3.4. After passing Pre-clinical subjects, 1 ½ years (3 Terms) shall be devoted to Para-clinical subjects.

Phase II will be devoted to Para-clinical and clinical subjects, along with clinical postings. During clinical phase (Phase – III) Pre-clinical and Para-clinical teaching will be integrated into the teaching of clinical subjects where relevant.

3.5. Didactic lectures will not exceed one third of the time schedule; two third time schedule will include practicals, clinicals or/and group discussions. Learning process will include living experiences, problem oriented approach, case studies and community health care activities.

3.6 University shall organize admission timings and admission process in such a way that teaching in first semester starts by 1st of August each year, but not later than 30th September each year.

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4.PRESCRIBED MINIMUM TEACHING HOURS :

4.1 PRE-CLINICAL SUBJECTS: (Phase-I, First & Second Terms)

No.	Subject	Teaching Hours
I	Anatomy	650
II	Physiology	480
III	Biochemistry	240
IV	Community Medicine	60
V	Evidence-based Education system	50

4.2 PARA-CLINICAL SUBJECTS : (Phase – II, Third, Fourth & Fifth Terms).

No.	Subject	Teaching Hours
I	Pathology	300
II	Pharmacology	300
III	Microbiology	250
IV	Community Medicine	200
V	Forensic Medicine	100
VI	Evidence-based Education system	50

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4.3 CINICAL SUBJECTS: (Phase – II & III, 3rd to 9th Terms)

No.	Subject	Clinical Posting (weeks)	Other Teaching (hours)
1	General Medicine	26	300
2	Paediatrics	10	100
3	Pulmonary Medicine	02	20
4	Psychiatry	02	20
5	Skin & STD	06	30
6	General Surgery	26	300
7	Orthopedics	10	100
8	Radiology	02	20
9	Dentistry	02	10
10	Casualty	02	--
11	Anaesthesiology	02	20
12	Ophthalmology	10	100
13	Otorhinolaryngology (ENT)	08	70
14	Community Medicine	12	50
15	Obstetrics &Gynaecology and Family Planning	24	300
16	Evidence-based Education - System	-	100

- Notes:
1. Total clinical posting of 144 weeks.
 2. This period of training is minimum suggested.
 3. This period of training does not include University examination period, but time spent on internal assessment (examination) shall be composite part of training period.

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5.Phase Distribution and Subjects for examination.

PHASE	PERIOD OF STUDY (Terms)	SUBJECTS FOR EXAMINATION
I	1 and 2	i) Anatomy ii) Physiology iii) Biochemistry iv) Evidence-based Education system
II	3,4 and 5	i) Pathology ii) Microbiology iii) Pharmacology iv) Forensic Medicine v) Evidence-based Education system
III-Part-I	6 and 7	i) Ophthalmology ii) Otorhinolaryngology iii) Community Medicine iv) Evidence-based Education system
III-Part-II	8 and 9	i) Medicine ii) Surgery iii) Obstetrics &Gynaecology iv) Paediatrics v) Evidence-based Education system

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6. EXAMINATION REGULATIONS:

6.1 EXAMINATION SCHEDULE

University examinations shall be held as under:

Name of Examination	Subjects	Time of Examination
First Professional (First M.B.B.S)	Anatomy Physiology and Biochemistry Evidence-based Education System	At the end of 2 nd Term
Second Professional (Second M.B.B.S)	Pathology Microbiology Pharmacology Forensic Medicine Evidence-based Education System	At the end of 5 th Term
Third Professional Part – I (Third M.B.B.S Part – I)	Ophthalmology Oto-rhino-laryngology (ENT) Community Medicine Evidence-based Education System	At the end of 7 th Term
Third Professional Part – II (Third M.B.B.S Part – II)	Medicine Surgery Obstetrics &Gynaecology Paediatrics Evidence-based Education System	At the end of 9 th Term

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Notes : (a) Passing in First Professional (1st MBBS) examination is compulsory before Proceeding to Phase – II (2nd MBBS) training.

(b) A student who fails in the Second Professional examination, shall not be allowed to appear in Third Professional Part – I examination unless he passes all subjects of Second Professional examination.

(c) Passing in Third Professional (Part – I) is not compulsory before entering 8th and 9th Terms for training, however passing of Third Professional (Part – I) is compulsory for being eligible to take Third Professional (Part – II) examination.

6.2 Supplementary Examination

6.2.1 A supplementary examination for first MBBS shall be conducted within 45 days of declaration of result of the main examination. Students passing at this examination shall join the third term of their regular batch who had passed in the main examination. Students failing this examination will appear at the next main examination of first MBBS to be conducted by University.

6.2.2 Supplementary examination for students failing in the main examination of 2nd MBBS, 3rd MBBS part I and 3rd MBBS part II shall be held between 5th and 6th month of the commencement of the main examination.

6.2.3 In short, there shall be only two each year for each phase , one being the main examination and the other as supplementary examination.

6.3 Candidates desirous of appearing at any examination must forward their applications in the prescribed form to the Registrar through the Principal /Dean of the Institution on or before the date prescribed for the purpose under the relevant ordinance.

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7. Following are compulsory for being eligible to appear at any examination.

7.1 Attendance : Seventy five percent attendance in a subject, inclusive of attendance in non-lecture teaching i.e. seminars, group discussions, tutorials, demonstrations, practicals, hospital (primary, secondary, tertiary) posting and bed-side clinics etc.

7.2 Internal assessment: A minimum of 35% marks of the total marks fixed for internal assessment in a particular subject.

Note: Dean/Principal of the college will have to certify for both above in the Examination form, based on continuous performance assessment card (CPA) of the student.

8. Internal Assessment

8.1 It shall be based on day to day assessment, evaluation of student assignment, preparation for seminar, clinical case presentation etc.

8.2 Regular periodical examinations shall be conducted throughout the course. The question of number of examinations is left to the institution

8.3 Day to day evaluation records should be given importance during internal assessment

8.4 Weightage for the internal assessment shall be 20% of the total marks in each subject

8.5 Student must secure at least 35% marks of the total marks fixed for internal assessment in a particular subject in order to be eligible to appear in final university examination of that subject.

Note: Internal assessment shall relate to different ways in which student's participation in learning process during terms is evaluated. Some examples are as follows:

- (i) Preparation of subject for student's seminar.
- (ii) Preparation of a clinical case for discussion
- (iii) Clinical case study/problem solving exercise
- (iv) Participation in Project for health care in the community (planning stage to evaluation)
- (v) Proficiency in carrying out a practical or a skill in small research project i.e. Problem Solving for Better Health (PSBH

Each item tested shall be objectively assessed and recorded. Some of the items can be assigned as Home work/Vacation work.

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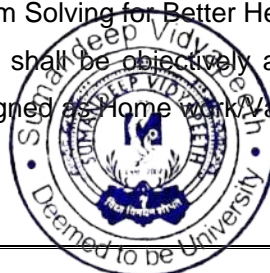
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9. University Examination: General Rules

- 9.1 Theory papers will be prepared by the examiners as prescribed. Nature of questions will be short answer type/objective type and marks for each part indicated separately.
- 9.2 Practical/ clinics will be conducted in the laboratories or hospital wards. Objective will be to assess proficiency in skills, conduct of experiment, interpretation of data and logical conclusion. Clinical cases should preferably include common diseases not esoteric syndromes or rare disorders. Emphasis should be on candidate's capability in eliciting physical signs and their interpretation.
- 9.3 Viva/oral examination shall include evaluation of management approach and handling of emergencies. Candidate's skill in interpretation of common investigative data, x-rays, identification of specimens, ECG, etc. also is to be evaluated.
- 9.4 The examinations are to be designed with a view to ascertain whether the candidate has acquired the necessary knowledge and minimum skills along with clear concepts of the fundamentals which are necessary for him to carry out his professional day to day work competently. Evaluation will be carried out on an objective basis.

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10. Scheme of Examination for First Professional (I M.B.B.S.) Examination (Preclinical subjects):

10.1	<u>Anatomy:</u>	
	Theory paper – I	50 marks
	Theory paper – II	50 marks
	Oral (Viva)	20 marks
	Practical	40 marks
	Internal Assessment	40 marks
	(Theory-20, Practical – 20)	
	TOTAL	200 marks

10.2 Physiology including Biophysics:

	Theory paper – I	50 marks
	Theory paper – II	50 marks
	Oral (Viva)	20 marks
	Practical	40 marks
	Internal Assessment	40 marks
	(Theory-20, Practical – 20)	
	TOTAL	200
		ks

10.3 Biochemistry:

	Theory paper – I	50 marks
	Theory paper – II	50 marks
	Oral (Viva)	20 marks
	Practical	40 marks
	Internal Assessment	40 marks
	(Theory-20, Practical – 20)	
	TOTAL	200 marks

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Notes:

1. Each paper will be of 3 hours duration. Each paper will have 2 Sections.
2. In each of the theory papers, there will be one applied question of 10 marks and one questions of objective nature of 6 marks.
3. For passing in any subject, a candidate must obtain 50% in aggregate with a minimum of 50% in theory and minimum of 50% in practical.
4. Marks of oral (viva) will be clubbed with that of theory only.
5. Grace marks up to a maximum of five marks may be awarded at the discretion of the University to a student who has failed only in one subject but has passed in all other subjects.

10.4 Evidence-based Education System (EBES)

Theory Paper – I	30 marks
Assignments	20 marks
TOTAL	50 marks

Notes:-

1. It is compulsory for a student to take the examination of EBES.
2. Paper shall be of one hour duration containing 15 MCQs and 15 one line answers.
3. The answers shall be entered in the question paper itself.
4. The options of the MCQs shall have an empty circle next to the option number. Candidates shall have to darken the correct option by an HB dark pencil. Ball point or ink pen will not be allowed.
5. Questions shall be selected from a question bank at random.
6. 20 marks will be assigned from two assignments done during the year. Each assignment will carry 10 marks.
7. Marking for assignments will be done as per Check list which will be preserved for one year in the department.
8. Passing Grade:- A student shall be declared pass if he secures 50% i.e. 25 marks out of total 50 marks allotted to the subject.
9. Marks of EBES shall not be considered in the total of subjects in the phase for deciding merit. A separate mark sheet and / or certificate of passing shall be issued to the candidate.

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11. Scheme of Examination for Second Professional (Second M.B.B.S.) Examination

(Para-clinical subjects):

11.1. Pathology:

Theory paper – I	40 marks
Theory paper – II	40 marks
Oral (Viva)	15 marks
Practical	25 marks
Internal Assessment	30 marks
(Theory-15, Practical – 15)	
TOTAL	150 marks

11.2 Pharmacology:

Theory paper – I	40 marks
Theory paper – II	40 marks
Oral (Viva)	15 marks
Practical	25 marks
Internal Assessment	30 marks
(Theory-15, Practical – 15)	
TOTAL	150 marks

11.3 Microbiology:

Theory paper – I	40 marks
Theory paper – II	40 marks
Oral (Viva)	15 marks
Practical	25 marks
Internal Assessment	30 marks
(Theory-15, Practical – 15)	
TOTAL	150 marks

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11.4 Forensic Medicine:

Theory – one paper	40 marks
Oral (Viva)	10 marks
Practical / clinical	30 marks
Internal Assessment	20 marks
(Theory-10, Practical – 10)	
TOTAL	100 marks

Notes:

1. Each paper will be of 2 hours duration. Each paper will have 2 Sections.
2. In each of the theory papers, there will be one applied question of 10 marks and one questions of objective nature of 6 marks.
3. For passing in any subject, a candidate must obtain 50% in aggregate with a minimum of 50% in theory and minimum of 50% in practical.
4. Marks of oral (viva) will be clubbed with that of theory only.
5. Grace marks up to a maximum of five marks may be awarded at the discretion of the University to a student who has failed only in one subject but has passed in all other subjects.

11.5 Evidence-based Education System (EBES)

Theory Paper – II	30 marks
Assignments	20 marks
TOTAL	50 marks

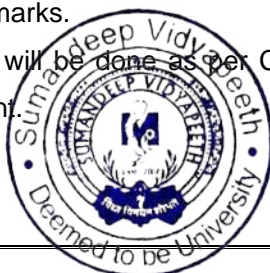
Notes:-

1. It is compulsory for a student to take the examination of EBES.
2. Paper shall be of one hour duration containing 15 MCQs and 15 one line answers.
3. The answers shall be entered in the question paper itself.
4. The options of the MCQs shall have an empty circle next to the option number. Candidates shall have to darken the correct option by an HB dark pencil. Ball point or ink pen will not be allowed.
5. Questions shall be selected from a question bank at random.
6. 20 marks will be assigned from two assignments done during the year. Each assignment will carry 10 marks.
7. Marking for assignments will be done as per Check list which will be preserved for one year in the department.

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8. Passing Grade:- A student shall be declared pass if he secures 50% i.e. 25 marks out of total 50 marks allotted to the subject.
9. Marks of EBES shall not be considered in the total of subjects in the phase for deciding merit. A separate mark sheet and / or certificate of passing shall be issued to the candidate.

12. Scheme of Examination for Third Professional (Third M.B.B.S) Part – I

Examination (Clinical subjects):

12.1 Ophthalmology

Theory – one paper	40 marks
Oral (Viva)	10 marks
Practical / clinical	30 marks
Internal Assessment	20 marks
(Theory-10, Practical – 10)	
TOTAL	100 marks

12.2 Oto-Rhino-Laryngology (ENT) :

Theory-one paper	40 marks
Oral (Viva)	10 marks
Clinical Examination	30 marks
Internal Assessment	20 marks
(Theory-10, Practical – 10)	
TOTAL	100 marks

12.3 Community Medicine including Humanities:

Theory paper – I	60 marks
Theory paper – II	60 marks
Oral (Viva)	10 marks
Practical Examination	30 marks
Internal Assessment	40 marks
(Theory-20, Practical – 20)	
TOTAL	200 marks

Notes:

1. Each paper will be of two hours duration but Community Medicine will be of three hours duration. Each paper shall have two sections.

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2. In papers of Ophthalmology and Oto-Rhino-Laryngology, one question of 10 marks will be devoted to Pre-clinical and Para-clinical aspects and one question of 6 marks will be of objective nature.
3. In each paper of Community Medicine there will be one question each of objective nature of 6 marks.
4. Questions in Community Medicine will include problem solving, applied aspects of management at primary level including essential drugs, occupational (agro based) diseases, rehabilitation and social aspects of community.
5. For passing in any subject, a candidate must obtain 50% in aggregate with a minimum of 50% in theory and minimum of 50% in practical.
6. Marks of oral (viva) will be clubbed with that of theory only.
7. Grace marks up to a maximum of five marks may be awarded at the discretion of the University to a student who has failed only in one subject but has passed in all other subjects.

12.4 Evidence-based Education System (EBES)

Theory Paper – III	30 marks
Assignments	20 marks
TOTAL	50 marks

Notes:-

1. It is compulsory for a student to take the examination of EBES.
2. Paper shall be of one hour duration containing 15 MCQs and 15 one line answers.
3. The answers shall be entered in the question paper itself.
4. The options of the MCQs shall have an empty circle next to the option number. Candidates shall have to darken the correct option by an HB dark pencil. Ball point or ink pen will not be allowed.
5. Questions shall be selected from a question bank at random.
6. 20 marks will be assigned from two assignments done during the year. Each assignment will carry 10 marks.
7. Marking for assignments will be done as per Check list which will be preserved for one year in the department.
8. Passing Grade:- A student shall be declared pass if he secures 50% i.e. 25 marks out of total 50 marks allotted to the subject.

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Marks of EBES shall not be considered in the total of subjects in the phase for deciding merit. A separate mark sheet and / or certificate of passing shall be issued to the candidate

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**13. Scheme of Examination for Third Professional (Third MBBS) Part – II Examination
(Clinical subjects):**

13.1 Medicine

Theory paper – I - General Medicine	60 marks
Theory paper – II - General Medicine (including Psychiatry, Dermatology and STD and T.B & Chest diseases)	60 marks
Oral (Viva) , Interpretation of x-ray, ECG etc.	20 marks
Clinical Examination	100 marks
Internal Assessment (Theory-30, Practical – 30)	60 marks
TOTAL	300 marks

13.2 Surgery

Theory paper – I- General Surgery (section – 1) including Orthopedics (section – 2)	60 marks
Theory paper – II- General Surgery (including Anesthesiology, Radiology and Dental diseases)	60 marks
Oral (Viva) – Interpretation of Investigative data	20 marks
Clinical Examination	100 marks
Internal Assessment (Theory-30, Practical – 30)	60 marks
TOTAL	300 marks

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13.3 Obstetrics & Gynecology

Theory paper – I- Obstetrics including social obstetrics	40 marks
Theory paper – II- Gynaecology, Family Welfare and Demography	40 marks
Oral (Viva) – including record of delivery cases (20 + 10)	30 marks
Clinical Examination	50 marks
Internal Assessment (Theory-20, Practical – 20)	40 marks
TOTAL	200

13.4 Pediatrics including Neonatology

Theory-one paper	40 marks
Oral (Viva)	10 marks
Clinical e	30 marks
Internal assessment (Theory-10, Practical – 10)	20 marks
TOTAL	100 marks

Notes:

1. Each paper will be of 3 hours duration for Surgery & Medicine; Pediatric & Obs&Gynaec will be of 2 hours duration. Each paper will have two sections.
2. In each question-paper of above subjects there shall be a question of objective nature of 6 marks. Additionally in paper – II of Medicine, Surgery and Obstetrics and Gynaecology and the paper of Pediatrics there will be one question each on basic sciences and allied subjects.
3. For passing in any subject, a candidate must obtain 50% in aggregate with a minimum of 50% in theory and minimum of 50% in practical.
4. Marks of oral (viva) will be clubbed with that of theory only.
5. Grace marks up to a maximum of five marks may be awarded at the discretion of the University to a student who has failed only in one subject but has passed in all other subjects.

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13.5 Evidence-based Education System (EBES)

Theory Paper – IV	30 marks
Assignments	20 marks
TOTAL	50 marks

Notes:-

1. It is compulsory for a student to take the examination of EBES.
 2. Paper shall be of one hour duration containing 15 MCQs and 15 one line answers.
 3. The answers shall be entered in the question paper itself.
 4. The options of the MCQs shall have an empty circle next to the option number. Candidates shall have to darken the correct option by an HB dark pencil. Ball point or ink pen will not be allowed.
 5. Questions shall be selected from a question bank at random.
 6. 20 marks will be assigned from two assignments done during the year. Each assignment will carry 10 marks.
 7. Marking for assignments will be done as per Check list which will be preserved for one year in the department.
 8. Passing Grade:- A student shall be declared pass if he secures 50% i.e. 25 marks out of total 50 marks allotted to the subject.
 9. Marks of EBES shall not be considered in the total of subjects in the phase for deciding merit. A separate mark sheet and / or certificate of passing shall be issued to the candidate
- 14. No candidate will be allowed to reappear at any Examination in which he has already passed.**
- 15. The candidate who has passed in any of the subjects be exempted from appearing again in that subject at a subsequent examination and be declared to have passed the examination when he has passed in all the remaining subjects in which he had failed earlier.**
- 16. The subject or subjects in which successful candidates may have distinguished themselves will be shown on the list. In order to obtain distinction in any subject, the candidate should pass the examination at the first attempt in all subjects and obtain 75 percent of the full marks in a subject(s).**

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17. Failure to pass the examination will not debar a candidate from appearing at any subsequent examination on the submission of a new application form with the payment of stipulated fee and the production of certificate showing that he has, during the interval between the declaration of his failure and subsequent reappearance at the examination, pursued a further course of study in the subjects of the examination to the satisfaction of the Principal/Dean of the Medical College. A candidate shall be deemed to have failed to pass an examination under the above clause if his name has been submitted to the Principal of his college for inclusion in the list of candidates appearing for the examination and if the candidate has failed to pass examination because he has not attained the standard of passing or has not appeared in the examination.

18. Broad guidelines on the goal and objectives (covering imparting of knowledge, training in skills and integration) of teaching each subject are laid down in various Annexure as under:

Annexure No	Subject
I	Human Anatomy
II	Human Physiology including Biophysics
III	Biochemistry
IV	Pathology
V	Microbiology
VI	Pharmacology
VII	Forensic Medicine including Toxicology
VIII	Community Medicine
IX	Otorhinolaryngology (ENT)
X	Ophthalmology
XI	Medicine & Allied Subjects
	(a) Medicine
	(b) Psychiatry
	(c) Dermatology & Sexually transmitted diseases
	(d) Tuberculosis & Respiratory diseases
XII	Surgery & Allied subjects
	(a) Surgery – including pediatrics surgery
	(b) Orthopedics
	(c) Radio-diagnosis & Radiotherapy
	(d) Anesthesiology

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	(e) Dentistry
XIII	Paediatrics – including neonatology
XIV	Obstetrics and Gynaecology including Family Welfare Planning
XV	Evidence-based Education System (EBES)

19. All examinations will be conducted by duly appointed qualified examiners. For rules relating to appointment of examiners please refer to Annexure No. XVI

INTERNSHIP

1. GENERAL :

Internship is a phase wherein a graduate is expected to conduct actual practice of medical and health care and acquire skills under supervision so that he/she may become capable of functioning independently.

2. SPECIFIC OBJECTIVES:

At the end of the internship training, the student will be able to:

- (i) Diagnose clinically common disease conditions encountered in practice and make timely decision for referral to higher level;
- (ii) Use discreetly the essential drugs, infusions, blood or its substitutes and laboratory services;
- (iii) Manage all types of emergencies-medical, surgical, obstetric, neonatal and pediatric, by rendering first level care;
- (iv) Demonstrate care in monitoring of the National Health Programmes and schemes, oriented to provide preventive and promotive health care services to the community;
- (v) Develop leadership qualities to function effectively as a leader of the health team organized to deliver the health and family welfare service in existing socio economic, political and cultural environment.
- (vi) Render services to chronically sick and disabled (both physical and mental) and to communicate effectively with patient and the community.

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3. INTERNSHIP: TIME DISTRIBUTION:

Community Medicine	2 months
Pediatrics	1 month
Medicine	1.5 months
Casualty	15 days
Surgery	1.5 months
Ophthalmology	15 days
Obst./Gynaec.	2 months
ENT	15 days
Orthopedics	1 month
Anesthesia	15 days
Elective Posting (one)	15 days
Psychiatry	15 days

Elective Postings:

Elective Posting will include one of the following for 15 days in subject.

- i) Dermatology and Sexually Transmitted Diseases
- ii) Psychiatry
- iii) Tuberculosis and Respiratory Diseases
- iv) Radio – diagnosis
- v) Forensic Medicine and Toxicology
- vi) Blood bank and Transfusion Department

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4. OTHER DETAILS:

- (i) All parts of the internship shall be done as far as possible in the parent institution & allied hospitals or centers duly approved by the SumandeepVidyapeeth.
- (ii) Every candidate will be required, after passing the final MBBS examination, to undergo compulsory rotating internship to the satisfaction of the college authorities and university concerned for a period of 12 months so as to be eligible for the award of the degree of Bachelor of Medicine and Bachelor of Surgery (MBBS) and full registration.
- (iii) The University shall issue a provisional MBBS pass certificate on passing the final examination.
- (iv) The State Medical Council will grant provisional registration to the candidate on production of the provisional MBBS passing certificate. The provisional registration will be valid for a period of one year. In the event of shortage or unsatisfactory work, the period of provisional registration and the compulsory rotating internship may be suitably extended by the appropriate authorities.
- (v) The intern shall be entrusted with clinical responsibilities under direct supervision of Senior Medical Officer. They shall not be working independently.
- (vi) Interns will not issue a medical certificate or a death certificate or a medico-legal document under their signature.
- (vii) Leave & Posting: Maximum 12 casual leave will be allowed per year. Posting will be done before starting of internship. No change will be entertained except in special situation where Authority finds it necessary for institutional circumstances.

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5. ASSESSMENT OF INTERNSHIP :

- (i) The intern shall maintain a record of work (log book) which is to be verified and certified by the medical officer under whom he works. Apart from scrutiny of the record of work, assessment and evaluation of training shall be undertaken by an objective approach using situation tests in knowledge, skills and attitude during and at the end of the training. Based on the record of the work and date of evaluation, the Dean/Principal shall issue certificate of satisfactory completion of training, following which the University shall award the MBBS degree or declare him eligible for it.
- (ii) Satisfactory completion shall be determined on the basis of the following.
1. Proficiency of knowledge required for each case Score 0 to 5
 2. The competency in skills expected to manage each case:
 - a) Competency of self performance
 - b) Of having assisted in procedures
 - c) Of having observed procedures Score 0 to 5
 3. Responsibility, punctuality, work up of case, involvement in treatment, follow-up reports Score 0 to 5
 4. Capacity to work in a team (behaviour with colleagues, nursing staff and relationship with paramedics). Score 0 to 5
 5. Initiative, participation in discussions, research aptitude Score 0 to 5

Explanation:

- 0-poor
- 1-fair
- 2-below average
- 3-average
- 4-above average
- 5-excellent

A score of less than 3 in any of the above items will mean unsatisfactory completion of internship.

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Personal note.

Full registration shall be given only by the State Medical Council/Medical Council of India on the award of the MBBS degree by the University or its declaration that the candidate is eligible for it.


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CURRICULAM

- 1 Give title as Annexure – I, II, III etc. as per list
- 2 At the end of Annexure – XV put the following notes :
 - (1). Latest editions of text-books and reference books should be used and consulted for each subject.
 - (2). Broad guidelines, as laid down by Medical Council of India, are provided for framing curricula. Each department should work out the detailed curriculum using these guidelines and implement the same. The curriculum should be revised and updated from time to time based on need and recommendations of MCI.

ANNEXURE – XVI

Following rules shall apply for appointment of examiners by the University for any professional examinations i.e. First, Second and Third professional examination.

1. No person shall be appointed as an examiner in any of the subjects of the professional examination leading to and including the final professional examination for the award of the degrees of M.B.B.S unless he has taken at least five years after obtaining a doctorate degree from a recognized university or an equivalent qualification in the particular subject as per recommendations of the Medical Council of India on teachers' eligibility qualifications and has had at least five years of total teaching experience as assistant professor in the subject concerned in a college affiliated to a recognized university at a faculty position.
2. There shall be at least four examiners for up to 100 students, out of whom not less than 50% must be external examiners. Of the four examiners, the senior most internal examiner will act as the Chairman and coordinator of whole examination programme so that uniformity in the matter of assessment of candidates is maintained. Where candidates appearing are more than 100, two additional examiners for every additional 50, or part thereof, candidates appearing be appointed.

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Non medical scientists engaged in the teaching of medical students as whole time teachers, may be appointed examiners in their concerned subjects provided they possess requisite doctorate qualification and five years teaching experience of medical students

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after obtaining their post graduate qualifications. Provided further that the 50% of the examiners (internal & external) are from the medical qualification stream.

4. External examiners shall not be from the same University and preferably be from outside the state.
5. The internal examiners in a subject shall not accept external examiner ship for a college from which external examiner is appointed in his subject.
6. Same examiners shall not be appointed continuously for more than 2 consecutive examinations.
7. There shall be a three paper setters, each paper setter will give one set of paper and one set of paper will be selected by university authority for examination. Each paper setter shall be provided style of paper & syllabus.
8. All staff of the department of subject concerned in a college/institution, with requisite qualifications and experience shall be appointed internal examiners by rotation, in their subjects provided that where there are no post of Associate Professors, then an Assistant Professor of five years standing as Assistant Professor after a doctorate degree may be considered for appointment as examiner.
9. The grace marks up to a maximum of five marks may be awarded at the discretion of the University to a student who has **failed only in one subject** but has passed in all other subjects. However the grace marks shall not be considered for assigning merit to the student.

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