



(Established u/s 3 of the UGC Act, 1956)

**GHAZIABAD-201 009 (U.P.)**

**REGULATIONS AND SYLLABUS FOR THE BACHELOR OF MEDICINE AND  
BACHELOR OF SURGERY DEGREE COURSE  
MBBS DEGREE COURSE**

**REGULATIONS**

In exercise of the powers conferred under sub rule (5) of Rule 31 of the Rules and Bye Laws of the Santosh University, Ghaziabad the Academic Council is hereby makes the following regulations:

**1. SHORT TITLE OF THE COURSE:**

These regulations shall be called "REGULATIONS AND SYLLABUS FOR THE FIRST YEAR M.B.B.S. DEGREE COURSE – 2007 of the Santosh University, Ghaziabad".

The regulations framed are subject to modification by the Academic Council of the Santosh University, Ghaziabad from time to time.

**1. ELIGIBILITY CRITERIA FOR ADMISSION:**

**(A) For Indian Nationals:**

**Nationality :** He / She should be an Indian citizen.

**Age Limit:** He / She should have attained or will attain the age of 17 (Seventeen) years as on the 31<sup>st</sup> of December of the year of admission.

**Essential Qualifications** (a) He/she should have passed the 12<sup>th</sup> Class under the 10+2 Scheme /Senior School Certificate Examination or intermediate Sciences (I.Sc.) or and equivalent examination of a recognized University / Board of any Indian State with ENGLISH, PHYSICS, CHEMISTRY and BIOLOGY.

(Or)

- (b) Graduate candidates should have qualified for the B.Sc. degree of an Indian University recognized by the Association of Indian Universities and accepted as equivalent by the Academic Council and Board of Management of this University subject to the conditions as may be prescribed with one of the following subjects as major subject, viz. Physics, Chemistry, Botany, Zoology and another science subject of study at least up to the ancillary level; provided that such candidates shall have passed the earlier qualifying examination ( HSE or an Equivalent ) with the subjects - Physics, Chemistry, Biology ( Botany & Zoology ) / Bio-technology and English individually and must have obtained a minimum of 50% marks taken together in Physics, Chemistry and Biology/Biotechnology;
- (c) Wherever the State Board / Body of appropriate authority has taken into account only the +2 level marks to determine the class of the candidate and issue the statement of marks accordingly, it alone would be taken into consideration;
- (d) Wherever the State Board / Body or appropriate authority has taken into account the marks obtain at the +1 and +2 level to determine the class of the candidate and furnish the statement of marks, accordingly, the aggregate of the two shall be taken into consideration;
- (e) Candidates who have passed the Senior Secondary School Examination of National Open School with minimum five subjects with any of the following groups of subjects (a) English, Physics, Chemistry, Botany, Zoology; (b) English, Physics, Chemistry, Biology/Bio-technology and any other Language (to be read with "Qualification for admission (a) & (b) above );
- (f) Any criteria not covered under the above provisions, the ruling of the

Eligibility Committee shall be adopted;

**Minimum**

He/she should have obtained a minimum of 50% marks for General Category 40% Marks for SC/ST/OBC and 45% Marks for the persons with locomotors disability (OPH) of lower limbs as per MCI norms, in **aggregate** in ENGLISH, PHYSICS, CHEMISTRY AND BIOLOGY.

**(B) For Indian Nationals (NRI):**

Candidates who have studied abroad, the equivalent qualification has determined by the Association of Indian Universities, New Delhi, shall form the guidelines to determine the eligibility and should have passed individually in the subjects of the Physics, Chemistry, Biology (Botany and Zoology) / Bio-technology and English upto the 12<sup>th</sup> Standard level with 50% marks aggregate taken together.

**2. PROCEDURE OF SELECTION:**

Students for I Year MBBS degree course shall be admitted on merit basis based on the result of the Common Entrance Examination.

**3. CUT - OFF DATE FOR ADMISSION :**

The candidates admitted upto 30th September shall be registered to take up their First year examination on 1st August of the next year. All kinds of admissions shall be completed on or before 30<sup>th</sup> September of the Academic Year.

**4. MEDICAL EXAMINATION AND FEE:**

The selected candidates will have to undergo medical examination by a Medical Board set up by the Santosh University. Consisting of Faculty Members of the Santosh Medical College. If, in the assessment of the Medical Board, a candidate is found medically unfit to be admitted to the course, then he/she will be rejected and not admitted and the decision of the Board shall be final. In that

case, in his/her place next candidate in order of merit will be admitted after found fit by the Medical Board and **after deposition of the requisite Fee.**

#### **5. COMMENCEMENT OF THE COURSE:**

The first MBBS degree course shall commence in August of the every academic year.

#### **6. REGISTRATION OF CANDIDATES:**

A candidate admitted to the 1<sup>st</sup> year M.B.B.S. degree course of this University shall register his / her name by submitting the prescribed application form for Registration / Enrollment duly filled along with the copies of all the documents, prescribed fee and an Affidavit / Declarations attached with the Registration Form to the University through the Dean of the Medical College within 60 days from the cut-off date prescribed for admission to the M.B.B.S. degree course i.e. on or before 30<sup>th</sup> November of the year of admission.

#### **7. DEPOSITION OF ORIGINAL TESTIMONIALS / CERTIFICATES:**

The following original testimonials / certificate are deposited with the Academic Section till the candidate **completes/leaves** the course:-

1. 10<sup>th</sup> Certificate
2. 10+2 mark sheet
3. 10+2 certificate
4. Migration Certificate – Migration certificate can be deposited within a period of 30 days after taking admission.

## **8. DURATION OF THE COURSE OF STUDY:**

Duration of this course is 5½ years i.e. 4½ + one year Compulsory Rotatory Resident Internship [ CRR I ].

(a) **PHASE - I (I MBBS) ONE YEAR consisting of Pre-clinical subjects of -**

- i) Human Anatomy,
- ii) Physiology,
- iii) Bio-Chemistry, and
- iv) Introduction to Humanities & Community Medicine.

Besides 60 hours for introduction to Community Medicine including Humanities, rest of the time shall be somewhat equally divided between Anatomy and Physiology plus Bio-chemistry combined (Physiology 2/3 and Bio-Chemistry 1/3). ( PSM 60 hrs.+ Anatomy 650 hrs. + Physiology / Biochemistry 720 hrs).

(b) **PHASE - II (II MBBS) 1 ½ YEARS consisting of following para-clinical / clinical subjects -**

- i) Pathology,
- ii) Microbiology,
- iii) Pharmacology,
- iv) Forensic Medicine including Toxicology, and
- v) Part of Community Medicine.

During this phase, teaching of para-clinical and clinical subjects are all those detailed under Phase III below which shall be done concurrently.

Out of the time for Para-clinical teaching, approximately equal time shall be allotted to Pathology, Microbiology, Pharmacology and Forensic Medicine and Community Medicine combined (1/3 Forensic Medicine and 2/3 Community Medicine).

**(c) PHASE - III (III MBBS Part – I & II ) TWO YEARS - Each Part one year of study –**

The clinical subjects to be taught during Phase III are -

**I. III MBBS – Part : I - 1 year :**

- i) Ophthalmology
- ii) Oto – Rhino-Laryngology
- iii) Community Medicine including Humanities.

### **I. III MBBS – Part : II - 1 year :**

- i) General Medicine and its allied specialities.
  - ii) Surgery and its allied specialities.
  - iii) Obstetrics and Gynaecology, and
  - iv) Paediatrics including Neonatology.
- Besides clinical posting the rest of the teaching hours should be divided between didactic lectures, demonstrations, seminars, group discussions etc. in various subjects.
  - The training in Medicine and its allied specialties will include General Medicine, Paediatrics, Tuberculosis and Chest, Skin and Sexually Transmitted Diseases, Psychiatry, Radio-Diagnosis, Infectious diseases etc.
  - The training in Surgery and its allied specialties will include General Surgery, Orthopaedic Surgery including Physiotherapy and Rehabilitation, Ophthalmology, Oto-Rhino-Laryngology, Anaesthesia including Emergency Medicine, Dentistry, Radio-therapy etc.
  - The Obstetrics & Gynaecology training will include Family Medicine, Family Welfare Planning, etc.
  - No student shall be permitted to join the Phase II [para clinical / clinical] group of subjects until he / she has passed in all the Phase I [Pre-clinical] subjects.
  - After passing pre-clinical subjects 1 ½ years 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 shall be integrated into the teaching of clinical subjects wherever relevant.

### **9. CURRICULUM:**

The Curriculum and the Syllabi for the course shall be as specified in the I, II and III MBBS degree Course Regulations.

## **10. MEDIUM OF INSTRUCTION :**

English shall be the medium of instruction for all the subjects of study and for examinations.

## **11. SUBMISSION OF LABORATORY RECORD NOTE BOOKS:**

At the time of practical/clinical examination each candidate shall submit to the Examiners his/her laboratory note books duly certified by the Head of the Department as a bona fide record of the work done by the candidate.

The practical record shall be evaluated by the concerned Head of the Department (Internal Evaluation) and the practical record marks shall be submitted to the University 15 days prior to the commencement of the theory examinations.

No other materials, handwritten, cyclostyled or printed guides are allowed for reference during the practical examinations.

In respect of failed candidates the marks awarded for records at previous examinations will be carried over to the next examinations. If a candidate desires he/she may be permitted to improve his/her performance by submission of fresh records.

## **12. WORKING DAYS IN AN ACADEMIC YEAR:**

Each academic year shall consist of not less than 240 teaching days of eight hours each college working time, including one hour of lunch.

### **13. ESSENTIALITIES FOR QUALIFYING TO APPEAR IN PROFESSIONAL EXAMINATIONS:**

#### **(1) INTERNAL ASSESSMENT:**

- a) The Internal Assessment examinations shall be conducted throughout the course on regular intervals.
- b) It shall be based on day to day assessment relate to different ways in which students participation in learning process during the course of study is evaluated as follows:
  - (i) Theory & Preparation of subject for students' seminar;
  - (ii) Practical / Clinical & Preparation of clinical case for discussion;
  - (iii) Viva Voce & Clinical case study / problem solving exercise.

The student must secure at least 50% 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.

- (i) (a) The Internal Assessment marks and the attendance percentage must be exhibited periodically on the Notice Board of the college and sent to the parent, in duplicate, after completion of the each I.A. examination for the knowledge of the parent / students and to his / her parent with a request to acknowledge the receipt of the same in the duplicate copy duly signed and sent back to the office for record.
- (b) After the second terminal examination the IA marks and Attendance per centage shall be sent to the parents about those students who have not improved their performance, in duplicate with a request to acknowledge the receipt of the same in the duplicate copy for office record.
- (c) Finally, after the 3<sup>rd</sup> Terminal or Pre-Professional Examination, the parent of such students who have still not improved his/her performance in securing the minimum required IA Marks and Attendance percentage shall be called by the respective Deans and

get an Affidavit from the student and the parent clearly informing that he/she is allowed in the University Examination of the respective year or Phase of study after improving the same.

- (ii) A failed candidate in any subject should be provided an opportunity, if need be, to improve his / her internal assessment marks by conducting a minimum of two examinations in theory and practical separately and the average, be considered for improvement.
- (iii) The consolidated internal assessment marks scored out of the total marks (both in theory, practical and viva taken together) should be submitted to the University duly endorsed by the Dean of the College, at least fifteen days prior to the commencement of the theory examinations.
- (iv) A candidate should obtain a minimum of 50% of marks in internal in a subject assessment to become eligible to appear for the University examination.

**(2) ATTENDANCE REQUIRED FOR ADMISSION TO EXAMINATION :**

- a) 75% of attendance in a subject for appearing in the examination is compulsory provided he/she has 80% attendance in non lecture teaching, i.e. seminars, group discussion, tutorials, demonstrations, practicals, Hospital [ Tertiary, Secondary, Primary ] postings and bed side clinics, etc.
- b) A candidate lacking in the prescribed attendance in any one subject in the first appearance shall be denied admission to the entire examination.
- c) No candidate will be permitted to anyone of the parts of MBBS Examinations unless he / she has attended the course in the subject for the prescribed period and produces the necessary certificate of study, attendance and progress from the Dean of the college.

- d) Attendance earned by the student will be displayed on the Notice Board of the concerned Department and college at the end of every 3 months and a copy of the same should be sent to the University and also to the parent of the student concerned.
- f) The monthly attendance of the students shall be received by the Dean of the college from the HODs concerned on or before second of every month and the consolidated percentage of attendance will be displayed on the college notice board.
- g) The parents of the candidate who have secured less than 80% of attendance in the first month shall be informed. If such candidate has not improved his/her attendance in the subsequent month also, the parent concerned would be called for to meet the Dean of the college along with the student concerned to get an undertaking, both from the parent and the student concerned, that his/her ward will improve the attendance at 80%, failing which the student is not eligible to apply for the University examinations.

#### **14. CONDONATION OF LACK OF ATTENDANCE:**

The Condonation of shortage of attendance up to a maximum of 10% in the prescribed eligible attendance for admission to an examination rests with the discretionary powers of the Vice Chancellor. A candidate lacking the attendance shall submit an application in the prescribed form and remit the stipulated fee, at least 15 days prior to the commencement of theory examination. The Head of the Department and the Dean of the college should satisfy themselves on the reasonableness of the candidate's request while forwarding the application with their recommendations to the Controller of Examinations who would obtain the Vice-Chancellor's approval for condonation of attendance and admission to the examination. No application would be reviewed if it is not recommended and forwarded through proper channel.

Condonation for lack of attendance shall be taken up for consideration under the following circumstances:

- (a) Any illness afflicting the candidate. The candidate should submit to the Dean of the college a Medical Certificate from a registered Medical Practitioner soon after he/she returns to the institutions after treatment.
- (b) Any unforeseen tragedy in the family. The parent / guardian should give in writing the reasons for the ward's absence to the Dean of the college;
- (c) 35% of marks in Internal Assessment as per MCI are compulsory for condonation of lack of attendance.

## **15. UNIVERSITY EXAMINATIONS:**

### **(1) COMMENCEMENT OF EXAMINATION:**

- a. The University Examinations will be held twice in a year i.e. in **August 1<sup>st</sup>** (MBBS Phase I) and in **March 1<sup>st</sup>** (MBBS Phase II, MBBS Phase III-Part-I & MBBS Phase – III – Part-II).
- b. The University **Supplementary** examinations also held twice in a year i.e. in **October** (MBBS Phase I) and in **1<sup>st</sup> August** (MBBS Phase II, MBBS Phase III-Part-I & MBBS Phase – III – Part-II).
- c. Theory examinations not to be held on Sundays. If the date of commencement of the examination falls on a public holiday, the next working day will be the date of commencement of examination.

### **(2) TIMING OF EXAMINATIONS:**

- (a) Phase I - Professional examination:  
At the end of one academic year in the month of August of the next year.

*As per MCI Amendment Notification dated 19<sup>th</sup> April, 2010 – 'The Supplementary examination for 1<sup>st</sup> professional MBBS examination may be conducted within 6 months so that the students who pass can join the main batch and the failed students will have to appear in the subsequent year provided that the students who pass the supplementary examination shall be*

*allowed to appear in the second professional MBBS examination only after he/she completes the full course of study of three semesters [i.e. 18 months] for the second professional MBBS examination irrespective of the examination of the main batch.'*

- (b) Phase II - Professional examination  
At the end of 1 ½ years from the commencement of Phase II in the month of March of the subsequent year.
- (c) Phase III – Part I Professional examination:  
At the end of one year of Phase III in the month of March of the next year.
- (d) Phase III – Part II Professional (Final Professional) examination:  
At the end of 2nd year of the Phase III in the month of March of the next year.
- (e) Internship – 1 Year  
From 1<sup>st</sup> April after passing Phase III – Part-II Examinations in March.

**(3) EXEMPTION IN PASSED SUBJECTS:**

Candidates who fails in an examination but obtain pass mark in any subject(s), shall be exempted from re-examination in that subject (s).

**(4) CARRY OVER OF FAILED SUBJECTS :**

- (a) Passing in First MBBS Professional examination is compulsory before proceeding to Phase II training.
- (b) A student who fails in the II MBBS professional examination, shall be permitted to carry the failed subjects to Phase III of the M.B.B.S. course but shall not be allowed to appear in III MBBS Professional Part I examination unless he / she passes all the subjects of the Phase II MBBS Professional examination.
- (c) Passing in II MBBS Professional examination is compulsory before entering Part II of Phase III (final year) of the course.
- (d) Passing in III MBBS Professional ( Part I ) examination is not compulsory before entering for Part II training; however passing of III MBBS Professional (Part I) is compulsory for being eligible to appear for III MBBS Professional, (Part II) examination.

## **6. REVALUATION OF ANSWER PAPERS:**

There is no provision for revaluation of answer papers. However, re-totalling only is allowed in the failed subjects on payment of prescribed fee within 15 days from the date of receipt of Mark sheet through the Principal / Dean of the college.

## **17. CLASSIFICATION OF SUCCESSFUL CANDIDATES:**

Distinction will be awarded to successful candidates who secure 75% marks or more as a course aggregate in the first appearance taking University theory, practical and viva alone.

## **18. APPOINTMENT OF EXAMINERS :**

- (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 MBBS degree unless he has taken atleast 5 years previously, a doctorate degree of the recognised university or an equivalent qualification in the particular subjects as per recommendation of the Council on teachers eligibility qualifications and has had atleast 5 years of total teaching experience in the subject concerned in the college affiliated to recognised university at a faculty position.
- (2) There shall be atleast four examiners for 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 the whole examination programme so that uniformity in the matter of assessment of candidates is maintained where candidates appearing are more than 100, one additional examiner, for every additional 50 or part thereof candidates appearing, be appointed.
- (3) Non-medical scientist engaged in the teaching of medical students as whole time teachers, may be appointed as examiners in their concerned subjects provided they possess requisite doctorate qualifications and five years teaching experience of medical students after obtaining their post-graduate qualification.

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 examiner in a subject shall not accept external examinership for a college from which external examiner is appointed in his subject.
- (6) The External examiners shall rotate at an interval of 2 years;
- (7) Except Head of the department of subject concerned in a college, all others with the rank of Reader or equivalent and above with requisite qualifications and experience shall be appointed as internal examiners by rotation in their subjects; provided that where there are no posts of Reader, then an Assistant Professor of 5 years standing as Assistant Professor may be considered for appointment as examiner.

#### **19. RE-ADMISSION AFTER BREAK OF STUDY:**

As per the procedure laid down in a common Regulation for all the Under-graduate and Post-graduate courses of this University.

#### **20. MIGRATION / TRANSFER OF CANDIDATES:**

Migration from one recognised Medical College to another recognised Medical College is not a right of a student. However, migration of students from one recognised medical college to another recognised medical college within India may be considered by the Medical Council of India only in exceptional cases on extreme compassionate grounds, provided the following criteria are fulfilled: (Routine migrations on other grounds shall not be permitted).

- i) Both the Colleges, i.e. one at which the student is studying at present and the one to which migration is sought for are recognised by the Medical Council of India.
- ii) The applicant should have passed first professional M.B.B.S. examination.

- iii) The application for Migration, complete in all respects, along with the Proforma as in **Annexure-V** is to be submitted to all the authorities concerned within a period of one month of passing the first professional Bachelor of Medicine and Bachelor of Surgery (MBBS) examination, the period being counted from the date of declaration of the results.
- iv) The applicant must submit an affidavit (as in **Annexure - VI**) duly sworn in before the 1st Class Magistrate stating that he/she will pursue 18 months of prescribed study before appearing for the for the II professional Bachelor of Medicine and Bachelor of Surgery (MBBS) examination at the transferee Medical College. The affidavit should be duly certified by the Dean of the College concerned and the Registrar of the concerned University to which transfer is sought.

**NOTE :**

- (i) Migration during clinical course of study will not be allowed on any grounds.
- (ii) All applications for migration will be referred to Medical Council of India. The University will not consider for migrations without the approval of the Medical Council of India.
- (iii) The number of student migrating/transferring from one medical college to another medical College during one year will be kept to the minimum so that the training of the regular students of that college is not adversely affected. The number of students migrating/transferring from or to any one medical college shall not exceed the limit of 5% of its sanctioned intake in one year.
- (iv) Issue of N.O.C. for all Migrations/Transfers are subject to the approval of the Vice-Chancellor.
- (v) The following compassionate grounds shall be considered for the purpose of Migration.
  - a) Death of a supporting guardian.
  - b) Illness of the candidate causing disability.
  - c) Disturbed conditions declared by Government in the Medical College area.