



**Sai Tirupati University,
Udaipur (Raj.)**

**Ph. D. Programme
Ordinances and Regulations
w.e.f. 2019**

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Introduction

The Sai Tirupati University, Umarda, Udaipur, established by Government of Rajasthan, Jaipur vide its Gazette notification No F 2(46)/Vidhi/2/2015 dated 21st April 2016 (Act No 9 of 2016) offers Ph.D. (Doctoral Research) in Faculties of (i) Medical Sciences and (ii) Nursing. As on date University is imparting Post Graduate programmes in both the faculties viz faculty of Medical Sciences and Nursing.

The enrolment and award of Ph.D degree in any discipline shall totally be in accordance with UGC regulations – minimum standards and Procedure for award of M. Phil/Ph.D degree amended from time to time through Gazette notification of Government of India. Herewith appended the details of Ordinance and Regulations for Ph. D including :-

Eligibility Criteria for Ph.D Supervisor/Co Supervisor

Procedure for Admission

Allocation of Supervisor/Co Supervisor/Industry Supervisor

Course work

Procedure for Synopsis Approval

Fees

Evaluation and Assessment Methods

Format for Thesis Preparation

Withdrawal from the Programme

Cancellation of Registration

General

The aim of introduction of Research programme is to explore research talent of the candidates and come up with research finding beneficial for society and community. Quality research work will be undertaken and candidates will be motivated to publish research work in referred and indexed journals with high impact factor, All assistance and guidance will be provided to file patents for research findings wherever applicable.

Definition

- (i) **"Applicant"** shall mean an individual who applies for admission to the Ph.D. Programme of the Sai Tirupati University on a prescribed Application Form.
- (ii) **"Research Student/Candidate/ Scholar"** shall mean a person registered for the Ph.D. Degree and devotes his/her full/ part time for completing the degree requirements.
- (iii) **"Supervisor"** shall mean a member of the academic staff of the University or any qualified teacher of another University/College duly approved on the recommendation of the Research Committee of the University to guide/supervise the student/candidate for doctoral research.
- (iv) **"Co-supervisor"** shall mean an additional supervisor approved by the Dean Post Graduate Studies on the recommendation of the research committee/ board to help in the accomplishment of the research work of the student/candidate.
- (v) **"Course Advisor"** shall mean a faculty member nominated by the Faculty/ Dean Post Graduate Studies to chalk-out the Programme of study of a student registered for the Ph.D. and to advise him/her on the courses to be taken by him/her. If a supervisor has already been appointed, he/she shall be the Course Advisor for that student.
- (vi) **"Course Work"** shall mean courses of study prescribed in the Faculty through the Course Advisor to be undertaken by a student registered for the Ph.D. Degree.
- (vii) **"Degree"** shall mean the Degree of Doctor of Philosophy (Ph.D.) of the Sai Tirupati University.
- (viii) **"Dean Post Graduate Studies"** shall mean the Dean Post Graduate Studies to be appointed by the authority. All the matters related to the Ph.D. degree shall be routed through the Dean Post Graduate Studies.
- (ix) **"Industry Advisor"** shall mean a person from industry included in the panel of industry advisor for Ph.D. by the University having minimum 15 years of industry experience and at middle level and above.
- (x) **"Registration Period"** shall mean the length of time span commencing with the date of initial registration at the University.
- (xi) **"Research Board"** shall mean the Research Board of the University comprising of at least three members representing the Dean Post Graduate Studies, Dean Faculty, two senior faculty members from faculty of the Sai Tirupati University, Udaipur and one External Expert if necessary and as deemed fit by the Dean Post Graduate Studies.
- (xii) **"Research Committee"** shall mean the research committee of at least two members of the Sai Tirupati University, Udaipur comprising the Dean Post Graduate Studies, Dean Faculty, Head of the Department to look into the matters relating to giving recognition as approved Ph.D. Supervisor of the Sai Tirupati University.

- (xiii) **“Research Methodology Advisor”** mean a person who possesses knowledge of Research Methods to be applied in various types of researches and so approved and included in the panel of Research Methodology Advisor.
- (xiv) **“Sponsored Research”** mean a research for which researcher is receiving grant from any professional body/UGC/ICSSR/CSIR/Organization etc. for conducting the research study.
- (xv) **“Term”** for the purpose of the Research Programme a term shall be of six months.
- (xvi) **“Research Advisory Committee”** shall mean a committee which shall look into the matters of research progress of the candidate comprising –Research supervisor as Convener and two other faculty members.
- (xvii) **“Full time scholars”** Scholars who shall be devoting there full time for the pursuant of research work shall be termed as full time.
- (xviii) **“Part Time Scholars”** a person who is registered for the Ph.D. degree and will devote a part of his/her time towards this pursuit and devote part of time towards the discharge of his/her official obligations.

Ordinances

O.1) The minimum educational qualification for the admission to the Ph.D. Programme shall be a Master degree as specified by any competent authority of Central/ State Government or by any Council specified for any particular Faculty/ Subject in relevant discipline from a recognized University/ Institute. The qualification for admission in Ph.D. Programme in various Faculties is specified in the Eligibility criteria for admission to the Ph.D. Programme.

O.2) The students will seek admission through an Entrance Test followed by an interview.

O.3) Every candidate will be required to remit the admission fee, the requisite term fee, the final thesis submission fee or any such other fee as specified in the Schedule IV.

O.4) A student shall be required to earn prescribed minimum CGPA in the course work before he/ she starts research work and carry out his/her research work under the guidance of supervisor/s appointed by the University to guide the candidate.

O.5) The minimum period of registration for Ph.D. candidate shall be of 36 months (3 Years).

O.6) If a student withdraws from Ph.D. Programme then his/her registration is deemed to be terminated and his/ her status as Ph.D. student ceases. If such a candidate is re-admitted within a period of five years he/she may be given weightage to the credits acquired during the previous registration on the recommendation of the Research Committee except in the case of termination on disciplinary grounds.

O.7) The award of the Ph.D. to an eligible candidate shall be made in accordance with the regulations of the Sai Tirupati University.

Candidate on completion of Research work and completing all formalities for the award of Ph.D degree will be awarded Ph.D in Faculty of Medical Sciences./Nursing.

Regulations

R.1. Eligibility Criteria for Ph.D. Supervisor/ Co-Supervisor

R.1.1 Any regular Professor of the University/Institution with at least five research publications in refereed journals may be recognized as a Research Supervisor or any regular Associate/Assistant Professor of the University/Institution with a Ph.D. degree and at least two research publications in refereed journals may be recognized as Research Supervisor or Ph.D. qualified Teachers/ Scientists/ other Academic staff in Research laboratories of Government of India/ State Government with at least two research publications in refereed journals may be recognized as Research Supervisor/ Co-Supervisor.

R.1.2 (A) Any person, who has already supervised 5 or more candidates for doctoral research from any recognized University, can be approved as Ph.D. Supervisor by the Dean Post Graduate Studies on scrutiny by himself/herself.

R.1.2 (B) Any person who is already a registered Guide/Supervisor in any approved University, can be approved Ph.D. Supervisor/ Co-Supervisor by the Dean Post Graduate Studies on scrutiny by himself/ herself.

R.1.3 The University will constitute Research Committee of at least two members comprising the Dean Post Graduate Studies, Dean of the Faculty and Head of Department of the University to look into the fulfillment of the above criteria before giving recognition as Ph.D. Supervisor.

R.1.4 A Supervisor/ Co-Supervisor shall not have, at any given point of time, more than the following number of Ph.D. scholars (including students from all universities wherever he/ she is registered for such purpose) –

Professor: 8

Associate Professor: 6

Assistant Professor: 4

R.1.5 Its up to Research Committee to approve a person to be recognized as a Supervisor/ Co-Supervisor.

R.2. Procedure for Admission

R.2.1. Candidates desirous to pursue Ph.D. should have Master's degree as specified by any competent authority of Central/ State Government or by any Council specified for any particular Faculty/ Subject from a recognized university/Institute by UGC, PCI, AICTE, MCI, DCI, NCI etc. in the relevant discipline. The qualification for admission in the Ph.D. Programme in various faculties is specified in the eligibility criteria for admission to the Ph.D. Programme (**Schedule I**).

R.2.2. University shall admit Doctoral students through an Entrance Test.

R.2.3. An Entrance Test shall be qualifying with qualifying marks as 50%. The syllabus of the Entrance Test shall consist of 50% of research methodology and 50% shall be subject specific. (**Schedule II**)

R.2.4. The Entrance Test shall be followed by an interview by the Research Committee/ Board appointed by the university.

R.2.5. At the time of interview/ viva-voce, candidates are expected to discuss their research interest/ area through a presentation before a duly constituted Department Research Committee/ Board.

R.2.6 During the interview/viva voce the following aspects should be considered, viz. whether:

R.2.6.1 the candidate possesses the competence for the proposed research;

R.2.6.2 the research work can be suitably undertaken at the Institution/College;

R.2.6.3 the proposed area of research can contribute to new/additional knowledge.

R.2.7. Candidates who have qualified UGC-NET (including JRF)/UGC-CSIR NET, AYUSH/ICMR/DBT/DST (including JRF)/SLET/GATE/teacher fellowship holder or have passed M.Phil Programme as per the UGC Regulations 2009/2016 for the award of Ph.D./ M.Phil. degree or work in funded research projects as JRF/SRF in this university are exempted from Entrance Test but all other conditions for admission in Ph.D. would remain same as specified in these regulations.

R 2.8 Candidates can register for admission to Ph.D. program under one of the following categories:-

- Full time
- Part Time: Internal

- Part Time : Internal Independent
- Part Time : External

R 2.8.1 Full Time Candidates (common provision)

All the applicants can register as Full time Ph. D. Scholar including candidates who are stipendiary/recipient of any Fellowship/ Integrated MD/MS-Ph.D. program (ICMR-TSS Fellowships)/or Fellowships in project positions from funding agencies.

R 2.8.2 Full Time candidates in Faculty of Medicine

Every candidate who presents himself/herself for registration for the Degree of Doctor of Philosophy (Ph.D.) in Medicine, Surgery and other specializations must possess any one of the following educational qualifications, awarded by this University or of any other University or any other qualification recognized by this University as equivalent thereto:-

- Degree of Doctor of Medicine (D.M.);
- Degree of Master of Chirurgie (M.Ch.);
- Degree of Doctor of Medicine (M.D.);
- Degree of Master of Surgery (M.S.);
- Postgraduate Diploma in the Faculty of Medicine and
- Diplomate of National Board of Examinations of India

2.8.3 Full Time Candidates (Non-Medical Disciplines)

A candidate who presents himself/herself for registration for the Degree of Doctor of Philosophy (Ph.D.) must possess any one of the following educational qualifications, awarded by this University or of any other recognised University or any other qualification recognized by this University as equivalent thereto:

- Master of Science in the Faculty of Medicine (M.Sc. - Non-medical 3 years course);
- Master's Degree in the Faculty of Nursing.

2.8.4 Part Time Research Candidates (Internal)

2.8.4.1 A candidate who fulfills the regulations as per the qualifications specified in the Regulations and is a researcher in a Department/Constituent college / Research

Centre of this University on the date of provisional registration, may be permitted to register himself/herself as a part time scholar (internal) for Ph.D. Degree.

- 2.8.4.2 Notwithstanding anything contained in these regulations, those who are working in this University as clinical instructor involved in clinical training may apply as part time internal candidate on approval of appropriate authorities of the University
- Attendance requirement: Part time Internal candidate shall be required to work under the Research Supervisor directly at least for 60 days/year for instruction/discussion etc. during the prescribed period of research work. Research Supervisor at this University shall submit the certificate of attendance (with dates) to the Controller of Examinations along with six monthly progress reports within the stipulated time frame.

2.8.5 Part Time Candidates (Independent Research)

- 2.8.5.1 Professor, Additional Professor or Associate Professor who is working in any department of this University with not less than fifteen years of teaching experience of which at least five years shall be at the postgraduate level and having a minimum of three research publications in peer reviewed indexed (Scopus/ Web of Science/ PubMed) /UGC approved list of Journals as first or corresponding author, is eligible to register for the Ph.D. Degree without a supervisor as "Part time Independent Research Candidate".
- 2.8.5.2 Such candidates shall seek the guidance/assistance of not less than three experts in the concerned field, who shall be members of faculties not below the rank of Associate Professors and possess the qualifications and eligibility prescribed by the University for being a supervisor.
- 2.8.5.3 The said three experts shall be members of the 'Research Advisory Committee' for the respective 'Part time Independent Research Candidate' and conduct the Research Methodology Examination for him/her at the end of the first year and send the report to the Controller of Examinations as provided in these regulations. Out of the three members of the Research Advisory Committee, one shall be the Convener of the Committee as may be indicated by the candidate. At the end of the prescribed period of research, the Research Advisory Committee shall submit a panel of examiners for evaluation of Thesis and for conducting the public viva-voce examination for the independent research candidate concerned.
- 2.8.5.4 He/she will be abiding by all regulations as applicable for part time candidates.

2.8.6 Part Time Research Candidates (External)

Notwithstanding anything contained in these regulations, candidates may be permitted to register for the Ph.D. program on a part-time basis as external candidates if they satisfy the following:-

Any one of the qualifications prescribed under regulations from this University or from any other university recognized as equivalent thereto and

- employed as a teacher or scientist in regulatory Bodies approved college/Institute, National/State level institutions/Laboratories/ Research and Development (R&D) Centers/ Industries/ Universities in India and abroad, satisfying the stipulations under Regulation 8;
- with experience as prescribed under regulations 2.4.1;and
- are permitted by their respective organizations to pursue research leading to the Ph.D. Degree of this University on a part-time basis while continuing in employment.

2.8.6.1 Such external candidates shall necessarily have the Research Supervisor from this University.

2.8.6.2 Attendance requirement: External candidates are expected to do research in their place of employment and in addition, should undergo such course work, examinations and research work as that is within one year from the date admission to Ph. D. in this university. The Research Co-Supervisor of the candidate and the Research Supervisor at this University shall submit the certificate of attendance (with dates) to the Dean Post Graduate Studies along with six monthly progress reports within the stipulated time frame. The minimum duration of attendance with supervisor/Co-supervisor shall be 200 days for complete duration of Ph.D work.

2.8.7 DURATION OF RESEARCH WORK

2.8.7.1 Full Time Candidates:

Candidates registered for the Degree of Doctor of Philosophy (Ph.D.) as full time research scholars shall undergo research work for a minimum period of THREE years from the date of provisional registration.

However, for candidates with MD/ MS/ DNB/ MDS/ DM/ M.Ch. qualifications, the period of research would be a minimum of TWO years.

He/she shall attend the department full time for research on all working days, except for periods when he/she is allowed to visit other institutions/laboratories for activities connected with research for short period as may be permitted by the Research Supervisor based on recommendations of RAC.

R.3. Allocation of Supervisor/Co- Supervisor/Industry Advisor

R.3.1. Only a full time regular teacher of the concerned University/Institution can act as a supervisor. The external supervisors are not allowed. However, Co-Supervisor can be allowed in inter-disciplinary areas from other departments of the same institute or from other related institutions with the approval of the Research Committee/ Board.

R.3.2. The allocation of the University recognized Supervisor for the selected students shall be decided by the Dean Faculty and Dean Post Graduate Studies and Department concerned, in a formal manner depending on the number of students per Supervisor, the available specialization among the supervisors and the research interest of the student as indicated at the time of interview/ Viva-Voce by the student. The allotment/allocation of Supervisor shall not be left to the individual student or Supervisor.

R.3.3. In case of topics which are of inter-disciplinary nature and it is felt that the expertise in the Department has to be supplemented from outside, then Research Supervisor from the Department itself, who shall be known as the Research Supervisor, and a Co-Supervisor from outside the Department/ Faculty/College/Institution may be appointed on such terms and conditions as may be specified and agreed upon by the consenting Institutions/Colleges.

R.3.4. A panel of Industry Advisors would be constituted by the University. The candidate may seek the help of Industry Advisor from the panel (if available) on the recommendation of the supervisor in view and nature of the problem under study. The supervisor may also recommend Research Methodology Advisor in all the faculties in which university is offering Ph.D. degree to help the candidate finalize the research methodology for the research work. However, the final decision in all respects shall be of the supervisor. Industry Advisor/Research Methodology Advisor would only have advisory roles.

R.3.5 An Industry Advisor or Research Methodology Advisor shall be paid an honorarium as recommended by the Dean Post Graduate Studies. However, they shall be paid for maximum 5 sittings.

R.3.6. The doctoral candidate may be allowed to continue to do his/her research work and submit it to the University without a supervisor under extra-ordinary circumstances such as death of the supervisor and non-availability of supervisor within six months from the date of such circumstances. However, an additional grace period of three months can be granted to the candidate by the faculty research committee to complete his/her doctoral research work without a Supervisor. The University shall consider such cases on the basis of their merit and its decision shall be final.

R.4. Course Work

R.4.1. After having been admitted, each Ph. D. candidate, before presenting the synopsis is required by the University to undertake course work as decided by the Dean Post Graduate Studies, Dean Faculty and Research committee within one or at most in two terms that is within one year and shall have to earn minimum Credit/Grade as specified in the schedule from the date of admission. The detail information about the course work in the various faculties is specified in the **Schedule III**.

R.4.2. Candidates already holding M. Phil. Degree as per the UGC Regulation 2009/ 2016 for award of Ph.D. Degree with a minimum CGPA of 5.5 or of marks or its equivalent marks of 55% in the course work and admitted to the Ph.D. Programme, or those who have already completed the course work in M.Phil. and have been permitted to proceed to the Ph.D. in integrated course, may be exempted by the Department from the Ph.D. course work. All other candidates admitted to the Ph.D. Programme shall be required to complete the Ph.D. course work as prescribed.

R.4.3. A Ph.D. scholar has to obtain a minimum CGPA of 5.5 or of marks or its equivalent marks of 55% in the course work in order to be eligible to continue in the Programme and submit the dissertation/thesis. The details of the same are specified in **Schedule III**.

R.5. Procedure Synopsis Approval

R.5.1. The candidate has to draft synopsis in consultation with supervisor and Co-supervisor (if any) and get it approved from him/her or them within the period specified. While preparing synopsis the student may consult an Industry Advisor from the panel of Industry Advisors (if available) and recommended by the supervisor. If necessary then the supervisor may also recommend to the student to consult a Research Methodology Advisor in preparation of the synopsis.

R.5.2. The candidate may from time to time consult the aforesaid two advisors during the course of his/her study. In such case the candidate shall acknowledge the two advisors in his/her synopsis as well as his/her thesis. These two advisors shall have only advisory roles. Final decision shall be of the supervisor/ Co-supervisor (if any) only. The synopsis shall be finally approved by the Supervisor and Co-Supervisor (if any) for the presentation in the Research Board/ Committee on the time/ date allowed by Dean Post Graduate Studies. However, the Ph.D. Scholar would not be able to submit thesis before the prescribed minimum period of 36 Months (3 years).

R.5.3. Once the synopsis is approved by the Supervisor/s, the candidate will have to make a presentation of synopsis before the Research Board/ Committee for the final approval.

R.5.4. In case, any suggestions/alterations are made by the Research Board/ Committee on the synopsis presented for approval, the candidate is required to incorporate the necessary changes and submit the new synopsis duly approved by the research supervisor and co-supervisor. The period for such incorporation shall be of maximum one month from the date of such presentations. The Dean Post Graduate Studies may provide additional period by issuing a notification of the same.

R.5.5. The candidate shall be permitted to present the research proposal before research board/ committee only after completion of Course Work.

R.5.6. In special case such as JRF-NET Qualified candidates may be permitted to present their research proposal for approval before research board/ committee before completion of course work so that they may send the approved proposal to the concerned body for award of fellowship.

R.5.7. Scholars need to submit and defend his/ her synopsis within 3 months from the date of his/her successful completion of the course work.

R.6. Fees

R.6.1. The candidate shall remit the prescribed fee for pursuing Ph.D. in the various Faculties as specified in the **Schedule IV**.

R.6.2. The fee is subject to revision by the university at its discretion and the candidate will have to pay the revised fee as and when made applicable.

R.6.3. Research Scholar will have to pay fee for maximum of 6 terms from the date of his/her registration. However, if he/she does not submit his thesis within 8 terms from the date of his/her provisional registration then the research scholar will have to pay term fee again from 9 term of his/her registration. However, if women candidate availing maternity leave then she would be provided additional 240 days to submit the thesis only once in the entire duration of Ph.D. work.

R.7. Evaluation and Assessment Methods

R.7.1. A research scholar will have to appear before the Research Advisory Committee once in six months to make a presentation of the progress of his/her work for evaluation and further guidance. The six monthly progress reports shall be submitted by the Research Advisory Committee to the Dean Post Graduate Studies with a copy to Institute/ College and the research scholar.

R 7.1 (a) Work book: Every Ph.D. scholar shall maintain a work book of research activities undertaken on the study. The RAC will determine the mechanism for submission and review for scholars both part time and full time. This work book will be reviewed at every RAC meeting.

R.7.2. In case the progress of the research scholar is unsatisfactory, the Research Advisory Committee shall record the reasons for the same and suggest corrective measures. If the research scholar fails to implement these corrective measures within a period of minimum three months or as stipulated by RAC the Research Advisory Committee may recommend to the Institution/ University with specific reasons for cancellation of the registration of the research scholar by the president. This should be submitted to the President through the Dean Post Graduate Studies.

R.7.3. Upon successful completion of the course work which shall form an integral part of the Ph.D. Programme, and upon completion of research work to the satisfaction of the Supervisor/s, the Ph. D. scholar shall draft copy of the thesis, However, he/she have to spend the minimum period of 36 months(3 years).

7.3.1 Women candidates and persons with disability (more than 40%) will be permitted a relaxation of 2 years in the maximum duration.

R.7.4. A Ph.D. scholar will be registered for five years. This may be extended by one year on the recommendation of the Supervisor and duly forwarded by the Dean Faculty concerned, be permitted an extension by the Dean Post Graduate Studies. The President in any special circumstances is authorized to grant an extension up to 1 more year for submitting the Ph.D. thesis. In case student fails to submit the final thesis within this period, he/she will have to get re-registered. For re-registration, immediately on expiry of first/extended registration as the case may be, the fees applicable for fresh students shall be paid by the student, but he/ she shall be exempted from taking the course work. Whereas for re-registration after a gap of one or more years after the first/extended first registration, the fees and rules applicable to a fresh applicant shall be followed, including course work, submission of synopsis, thesis, etc.

R.7.5. In case a student fails to submit the thesis or re-register within the stipulated time, the admission automatically stands cancelled. The concerned Dean Faculty/ Department or a person so authorized shall intimate the Dean Post Graduate Studies the list of all such students.

R.7.5. (A) The research scholar need to publish from his/her thesis minimum of two research paper in peer reviewed refereed journal with ISSN Number of national/ international repute. Similarly scholar will have to make two paper presentations in conferences/seminars pertaining to the research topic selected for the purpose of Ph.D. research work before the submission of the dissertation/thesis for adjudication and produce evidence for the same in the form of acceptance letter and registration receipt of the publication, presentation certificates and/or reprints before the submission of the final drafted thesis for the award of Ph.D. degree.

R.7.5. (B) The Research Paper published by the scholar on Ph.D. Research Work should include the names of the Supervisor/ Co-supervisor as author along with the name of the Scholar

R.7.5. (C) The scholar should write down his designation in the Research Paper published on Ph.D. Research Work as - Research Scholar, Name of Faculty/ Department, Sai Tirupati University, Udaipur.

R.7.5. (D) Prior to Submission of the Thesis, the student shall make a Pre-Ph.D. Presentation in the Faculty/ Research Advisors Committee that may be open to all faculty members and research students, for getting feedback and comments which may be suitably incorporated into the draft thesis under the advice of the Supervisor/s.

R.7.6. The Academic Council (or its equivalent body) of the Institution shall evolve a mechanism using well developed software and gadgets to detect plagiarism and other forms of academic dishonesty. While submitting for evaluation, the dissertation/thesis shall have an undertaking from the research scholar and a certificate from the Research Supervisor attesting to the originality of the work, vouching that there is no plagiarism and that the work has not been submitted for the award of any other degree/diploma of the same Institution where the work was carried out, or to any other Institution.

R.7.7. The Ph. D. student needs to submit five copies of drafted thesis to the University along with four soft copies of thesis through proper channel.

R.7.8. The Ph.D. thesis submitted by a research scholar shall be evaluated by his/her Research Supervisor and at least two external examiners, who are not in employment of the Institution/College. It shall be upto the University to decide to have one examiner from outside the country that is it is not compulsory to have one examiner from outside the country.

R.7.9. The supervisor should submit a panel of six examiners to the Dean Post Graduate Studies for the evaluation of the thesis. The Dean Post Graduate Studies shall recommend it to the President of the University for the Appointment of two experts out of the panel of examiners submitted by the Supervisor.

R.7.10. The panel of six examiners submitted by the supervisor for evaluation of the thesis shall be of minimum Professor or Associate Professor or Equivalent from any recognized university/institute. However, priority may be given to the Professor while submitting the panel of examiner.

R 7.10.A The Supervisor shall not submit more than two Names of Experts from the same State.

R 7.10.B Out of six names minimum three Experts should be designated as Professor.

R 7.10.C The Name of Experts submitted in the Panel should be from of the University Department/faculty. (Names of Retired Professors of University Department/Faculty can also be submitted for Thesis Evaluation). Principal and Professor of recognized private colleges duly approved by regulatory bodies can also be approved as examiners to evaluate Ph.D thesis.

R.7.11. A panel of examiner submitted by the supervisor for evaluation of the thesis shall be strictly from external university and it should not be local university where the Sai Tirupati University is situated.

R.7.12. The appointed examiner shall not be of the first blood relation of the candidate.

R.7.13. The examiners shall examine the thesis and submit their reports independently within 3 months of the receipt of the same by them.

R.7.14. On receipt of satisfactory evaluation reports, the Ph.D. student shall undergo a formal presentation and viva - voce examination by at least one of the external examiners appointed for the evaluation of thesis and the Supervisor, which shall be open to the teachers and research scholars as observers. Open discussions may be encouraged after completion of the formal viva – voce by the examiner.

R.7.15. If the performance of the candidate at viva –voce examination is not satisfactory, he/she may be permitted to re-appear for the viva – voce examination within a period as specified by Dean Post Graduate Studies, Supervisor concerned and Examiner on payment of prescribed fees of Rs. 20,000/-. If an examiner offers specific comments which need change or modification in the text, it should be done before the second viva – voce is held. Also efforts should be made to get the Re-viva-Voce within a period of six months from the date of present Viva-Voce.

R.7.16 If one of the evaluation reports of the external examiner in case of Ph.D. thesis is unsatisfactory and does not recommend viva-voce, the Institution shall send the dissertation/ thesis to another external examiner out of the approved panel of examiners and the viva-voce examination shall be held only if the report of the latest examiner is satisfactory. If the report of the latest examiner is also unsatisfactory, the dissertation/ thesis shall be rejected and the research scholar shall be declared ineligible for the award of the degree.

R.8. Format for Thesis Preparation

R.8.1. Candidates submitting the thesis are required to follow the following aspects regarding paper size, text layout etc., except in special cases in which concerned Faculty Dean is satisfied that it is not be possible to comply with the requirements of these rules:

- Size of the paper should be A4 (8.5" x 11.5") except for maps, drawing, graphs on which no restriction is placed.
- The text should be typed in 1.5 line spacing using normal typeface /electronic typing/ PC word processing in 12 font size of Times New Roman (English Font) or Mangal (Hindi Font); Fancy fonts should be avoided for text writing.
- Optimal length of the thesis should be kept between 150-300 pages. However, in some cases it can be less.

R.8.2. Likewise, cover layout is also specified. Affiliation of the supervisor could be added but it should not contain administrative designation like Head of the Department/ Dean, etc. Also avoid salutation such as Dr. / Prof. / Mr. / Ms. / Mrs. / Captain etc. before the name of scholar wherever it mentioned in Thesis.

R.8.3. Candidates should submit thesis in the following specific colors on cover page.

- Nursing : White
- Faculty of Medical Sciences : Black

R.8.4. The format of cover and title page of the thesis shall be as prescribed in Annexure C1.

R.8.5. The candidate should submit an abstract of the thesis not exceeding 1200 words with key words and title page in printed form as well as in soft copy which shall be sent to the examiner by post/e-mail for seeking consent on prescribed form for evaluation of the thesis. Consent sent by an examiner by e-mail/post/telephone to the Office of Dean Post Graduate Studies will be accepted provided the same is as per the prescribed format.

R.8.6. Following certificates shall be submitted along with the thesis:

- 'No Dues Certificate' from the Dean of the concerned Faculty where the research work was done.
- The declaration by the Supervisor/ Candidate regarding originality of the research work should be given on A4 size paper and same to be attached with the thesis (Annexure C1). Certificate duly signed by the Supervisor for the fulfillment of the requirement by the candidate as prescribed (Annexure C3).

- Declaration by the candidate on a non-judicial stamp paper costing Rs. 100/- attested by a notary as per format given in Annexure C2.
- Research papers published/ accepted of the candidate should be related and relevant to the research work reported in the thesis.

R.9. Withdrawal the Programme

R.9.1. A student/candidate may be permitted by the Dean Post Graduate Studies to withdraw from the Ph.D. Programme on medical grounds supported by a medical certificate issued by the Medical Officer or any other genuine reason(s). The medical certificate issued by a registered Medical Practitioner will also be acceptable in those cases where the student/candidate has valid reasons for his absence from the University/Institute/Centre.

R.9.2. Withdrawal may also be granted by the Dean Post Graduate Studies provided he/she is convinced that the student/candidate cannot pursue his studies for the reasons beyond his control.

R.9.3. Under no circumstances will a request for withdrawal be entertained after the course work has been completed. Student/candidate should present the medical certificate in support of his absence on health reasons within two days of his rejoining the Faculty, if not produced already. Withdrawal will not be granted retrospectively.

R.9.4. Regularity in attending the classes and satisfactory performance in the mid-term examination, if any held prior to the date of application for withdrawal are the factors which would be taken into account while recommending/granting withdrawal.

R.9.5. Any semester withdrawal will count towards the maximum limit of six years as stipulated above for research scholar.

R.10. Cancellation of Registration

Registration of a student/candidate shall be cancelled in any one of the following eventualities, after due approval of the Dean Post Graduate Studies.

R.10.1. If he/she fails to comply with rules of attendance as stipulated.

R.10.2. If full time scholar remains absents for a continuous period of four weeks without prior intimation/sanction of leave then admission may be terminated except in special cases such as serious illness etc.

R.10.3. If he/she resigns from the Ph.D. Programme and the resignation is duly recommended by the Supervisor.

R.10.4. If he/she fails to renew his registration in any semester subject to the provision contained in these Ordinances & Regulations.

R.10.5. If his/her research progress is found unsatisfactory.

R.10.6. If he/she does not clear the course work examination within specified time/grades as stipulated.

R.10.7. If he/she is found involved in an act of misconduct and/or indiscipline and termination has been recommended by a competent authority as appointed by the University. However, the candidate will have right to submit application for reconsideration about his/her Cancellation to the President of the University.

R.11. General

R.11.1 . The Ph.D. candidate shall bear all expenses by himself/herself towards conduct of the study for research work. The available physical infrastructure and library facility of the University can be used for the research work.

R.11.2. The rules and regulation are subject to changes from time to time in accordance with directives from Dean Post Graduate Studies and Academic Council or any competent Government Body/ Council such as UGC, MCI, NCI etc.

R.11.3 In case any matter is not covered by the above stated rules, the decision of the Research Board shall be final.

R.11.4 Students requesting for change of Guide /Supervisor within one year from the date of registration shall have to pay INR 15000/- (Rupees Fifteen Thousand Only) other then the prescribed fees of Ph.D. at the time of making such application/request.

R.11.5 And, students requesting for change of Guide/Supervisor after completion of one year from the date of registration shall have to pay INR 25000/- (Rupees Twenty Five Thousand Only) other then the prescribed fees of Ph.D. at the time of making such application/request.

Schedule I

Eligibility Criteria for Admission to Ph.D. Programme:

1. Candidates for admission to the Ph.D. Programme should possess a relevant Master's degree or a professional degree declared equivalent to the Master's degree by the corresponding statutory regulatory body or as the norms specified by any competent authority of Central/ State Government or by any Council specified for any particular Faculty/ Subject, with at least 55% marks in aggregate or its equivalent grade 'B' in the UGC 7-point scale (or an equivalent grade in a point scale wherever grading system is followed) or an equivalent degree from a foreign educational Institution accredited by an Assessment and Accreditation Agency which is approved, recognized or authorized by an authority, established or incorporated under a law in its home country or any other statutory authority in that country for the purpose of assessing, accrediting or assuring quality and standards of educational institutions.
2. A relaxation of 5% of marks, from 55% to 50%, or an equivalent relaxation of grade, may be allowed for those belonging to SC/ST/OBC (non-creamy layer)/Differently-Abled and other categories of candidates as per the decision of the UGC Commission from time to time, or for those who had obtained their Master's degree prior to 19th September, 1991. The eligibility marks of 55% (or an equivalent grade in a point scale wherever grading system is followed) and the relaxation of 5% to the categories mentioned above are permissible based only on the qualifying marks without including the grace mark procedures.
3. Those candidates who have obtained their Master Degree on or prior to year 2000 shall be eligible (allowed) to take admission in Ph.D. Programme on production of such relevant Master degree certificate and candidates who have obtained their Master Degree after year 2000 shall be eligible as per conditions specified in the **Para no. 1 and 2 of Schedule I.**

Minimum Education Qualification in various Faculties:

Faculty of Medicine	Master degree in relevant subject with 55% and 50% for candidate belongs to SC/ST/OBC(non-creamy layer)/Differently-Abled or as specified in Para 3 of Schedule I.
Faculty of Nursing	Master degrees in relevant subject with 55% and 50% for candidate belongs to SC/ST/OBC (non-creamy layer)/Differently-Abled.

Schedule II

Entrance Test Ph.D. Programme

A candidate/student shall be admitted to the Ph.D. Degree through an Entrance Test maximum of 200 marks organized by the University for this purpose. The Entrance Test shall comprise of two sections viz.:

Section A: Research Methodology (50 Objective questions of 2 marks each)

Section B: Subject oriented 50 Objectives questions of 2 marks each.

Note: 1. No negative marking for the above Sections.

2. For Syllabus of Section B in various faculties refer to Schedule V.

Schedule III (Course Work)

I	Course Work Classes– Duration 90 Hours i) Research Methodology & Bio-statistics ii) Computer Applications CITI India –Online Bioethics course	:	6 credits (C ₁)
II	Course Work Examination	:	2 credits (C ₂)
III	Two courses with Research Supervisors (One on contemporary issues on subject/ topic of research and one on Review of literature relevant to the topic of research undertaken by the student)	:	4 credits (C ₃)
IV	Participation in Conference/ Seminar (Not necessary to present paper)	:	2 credits (C ₄)
V	Seminar Presentation Critical Review, Meta-analysis and Research Proposal including Viva-Voce	:	2 credits (C ₅)

- I. Course Work Classes : A student attending course work class shall be provided following grade score out of the maximum 10 Grade Point Scale (**G₁**).

Attendance		Grade Point (G₁)
90% - 100%	:	10
80% - 89%	:	8
70% - 79%	:	6
60% - 69%	:	4
50% - 59%	:	2
Less than 50%	:	0

II. Course Work Examination :

Score		Grade Point (G ₂)
90% - 100%	:	10
80% - 89%	:	8
70% - 79%	:	6
60% - 69%	:	4
50% - 59%	:	2
Less than 50%	:	0

- III. Two courses with Research Supervisors: Respective research guide will award score on the submitted assignment on cumulative 10 Point Grade Scale (**G₃**) and certificate of the same is available on Annexure C₈.
- IV. Participation in Conference/ Seminar: University Research Committee/ Board shall award full score that is 10 Grade Points (**G₄**) to the student on production of original certificates of conference/ seminar participation and copy of the same shall be submitted to office by the candidate.
- V. Seminar Presentation: For seminar presentation by the candidate Research Committee shall award score out of 10 point scale (**G₅**).

Formula to Calculate CGPA (Cumulative Grade Point Average):

$$\text{CGPA} = \frac{C_1 G_1 + C_2 G_2 + C_3 G_3 + C_4 G_4 + C_5 G_5}{C_1 + C_2 + C_3 + C_4 + C_5}$$

To be eligible for furthering research a student should score minimum of 5.5 CGPA in the Course Work.

Schedule-IV**Sai Tirupati University**

A candidate shall deposit the under mentioned fee either in Cash/Demand Draft in favor of “Sai Tirupati University” payable at Udaipur in the office of the Dean Post Graduate Studies.

S.No.	Faculty	Enrollment & Eligibility Fee (Rs.)	Registration Fee (Rs.)	Term Fee (Rs.) Six Monthly	Thesis Submission Fee (Rs.)
1	Medical Sciences	5,000	40,000	40000	30000
2	Faculty of Nursing	5,000	40,000	40000	30000

Note: The term means a period of six months.

* The Research Scholars shall bear all other expenses by themselves towards conduct of the study for research work. The available physical infrastructure and library facility of the University can be used for the research work.

** If the candidate receives the financial assistance from any of the university/organization/agency for the purpose of pursuing Ph. D. work, he/she shall not entitle for any relaxation in the University fee.

"Fees once paid to the university shall be not refundable."

"Student needs to deposit fees within 15 days from the date it falls due otherwise they shall be levied penalty".

Schedule V

Faculty of Allied Science

- Syllabus for Bio-Chemistry
- Syllabus for Microbiology
- Syllabus for Physiology
- Syllabus for Anatomy
- Syllabus for Pharmacology

Faculty of Nursing

- Syllabus for Nursing

SAI TIRUPATI UNIVERSITY
Syllabus for Ph.D Entrance Test Section –A

Research Methodology

- Data Interpretation and Analysis
- Research Aptitude
- Research Design
- Sampling and Hypothesis

SAI TIRUPATI UNIVERSITY

SYLLABUS FOR Ph.D ENTERANCE EXAMINATION IN BIOCHEMISTRY

Metabolism.

Vitamins, Hormones and Nutrition.

Genetics and Molecular biology

METABOLISM:

Intermediary metabolism of carbohydrates, Lipids and Proteins and their Inter-relationships, Biological Oxidations, Metabolism of purines and pyrimidines, nucleic acids, Nucleoproteins, Mineral Metabolism. Inborn errors of metabolism.

VITAMINS, HORMONES AND NUTRITION:

Chemistry and Functions of Vitamins and Hormones; Bio-chemistry of blood clotting and respiration. Acid base balance, Muscle contraction. Minerals and their role in nutrition. Nutrition in Health and Disease. Detoxication, Chemical structure and biological activity of antibiotics. Nitrogen fixation. Fermentation.

GENETICS AND MOLECULAR BIOLOGY:

1. The structure and Function of Proteins.

I. Introduction.

II. Classification of proteins.

III. General structure of proteins.

(A) Amino acids.

(B) The peptide bond.

(C) Primary structure.

(D) Protein conformation.

(E) Quaternary structure.

(F) Isozymes.

(G) Multi-enzyme complexes.

IV. General properties of proteins.

(A) Proteins and ampholytes.

(B) Molecular weights.

(C) Proteins as antigens.

V. Effect of mutation.

(A) Protein structure.

(B) Protein properties.

2. Genes, Proteins and the Control of Gene Expression

I. Introduction.

(A) Genotype and phenotype.

(B) The gene.

(C) Mutation.

(D) Complementation.

II. Some established aspects of genetic regulation.

(A) The operon.

(B) Bacteriophage Lambda.

(C) Translational control in RNA bacteriophage.

(D) Autogenous regulation.

III. Genetic regulation of Mammalian protein.

(A) Regulatory aspects of inborn errors.

(B) Expression of specialized proteins in differentiated cells.

(C) The induction of protein synthesis by hormones.

IV. Genetic regulation and development.

(A) Hierarchies of control.

(B) Chromosomal proteins.

(C) Models of genetic regulation.

V. Expression of the differentiated phenotype in vitro.

(A) Analysis of differentiation in culture tumour by cell fusion.

(B) Mechanism of extinction re-expression of luxury functions in hybrids.

(C) Analysis of malignancy.

(D) Teratomas.

VI. Antibody biosynthesis and the generation of antibody diversity.

(A) Antibody biosynthesis.

(B) The problem of antibody diversity.

(C) VE markers in the rabbit and mouse.

(D) A gene stitching model.

(E) Somatic mutation.

VII. Gene clustering eukaryotes.

VIII. Inserted sequences in structural genes.

IX. Conclusion.

3. Chromosomes and Protein Variation.

I. Introduction.

II. The human chromosomes.

(A) Identification and linear differentiation.

(B) Variability.

(C) Variability and linear differentiation.

(D) Human BHA and the number of genes in man.

III. Mapping.

IV. Protein studies in chromosomal disorders.

(A) Studies of the products of localized.

(B) Further biochemical studies in autosomal anomalies.

(C) Discussion.

(D) Expression of gonosomal genes.

(E) Aneuploidy and the cell cycle.

V. Nuclear organization.

VI. New trends in the analysis of human genome.

4. Polymorphism, Selection and Evolution.

I. Introduction.

II. Selection

(A) Theoretical considerations.

(B) Selection in human populations.

III. Evolution.

(A) Gene flow and anthropology.

(B) General considerations and conclusions.

5. Enzyme Polymorphism.

I. Introduction.

II. Polymorphic enzyme systems.

III. An attempt at a syntheses.

6. Inherited variation in Plasma Proteins.

I. Introduction and scope of chapter.

II. Techniques for recognizing inherited variation in proteins.

(A) Gel electrophoresis.

(B) Immunological techniques.

III. Polymorphism.

(A) Established and high probable polymorphisms.

(B) Some possible polymorphisms.

IV. Rare Variations.

V. Comparative summary of polymorphisms prospects for further investigation.

7. In born Errors of metabolism.

I. Introduction.

II. Molecular concepts.

(A) Structural and control genes.

(B) Dominance and recessive ness.

III. Experimental approach.

(A) General considerations.

(B) Indirect approach.

(C) Direct approach.

IV. Tissue distribution.

V. Heterogeneity.

(A) Non allergic genes.

(B) Allergic genes.

VI. Heterozygote detection.

(A) Autosomal recessive transmission.

(B) X-linked recessive transmission

VII. Prenatal detection.

(A) Techniques.

(B) Results.

(C) Future prospects.

VIII. Classification of inborn errors of metabolism.

8. The Immunoglobulinopathies.

I. Introduction.

II. The immunoglobulins.

(A) General introduction

(B) Immunoglobulin genetic markers (Allotypes) in man.

(C) The immunogenetics basis for antibody diversity.

(D) Genetics of the immune response.

(E) Biosynthesis and metabolism of immunoglobulins.

(F) Development of immunoglobulins before and after parturition.

III. The immunoglobulinopathies.

(A) Classification and definition of terms.

(B) Hyperimmunoglobulinaemia.

(C) The paraimmunoglobulinopathies.

(D) Hypoimmunoglobulinopathies.

- Clinical and operation theatre equipment
- Flame photometer-spectro fluorophotometer-pH meters

SAI TIRUPATI UNIVERSITY

Syllabus for Ph.D Entrance Examination in Microbiology

1. Applied Medical Sciences Viz. Epidemiology and pathology of infections, diseases related Haematology and Medicine.
2. General and systemic Bacteriology
3. Mycology, Protozoology and Helminthology
4. Immunology including blood banking and Virology
5. Advance Microbiology (Molecular Microbiology)

SAI TIRUPATI UNIVERSITY

Syllabus for Ph.D. Entrance Examination in Physiology

- 1. History of Physiology & General Physiology-** History of Physiology, Comparative animal physiology, Biophysics principles, Bioelectric potentials, Regulations of Body fluids & electrolyte & applied aspects.
- 2. Muscle and Nerve Physiology.**
- 3. Blood** – its composition and functions, blood volume, plasma proteins and its functions, coagulation of blood, Blood groups, Transfusions, Hemorrhage and shock, Origin of blood cells, Bone marrow, Hemoglobin and its derivatives.
- 4. Cardiovascular system-** General organization of CVS, Physiological anatomy of Heart, Cardiac muscle, Excitatory and Conducting tissue, Electrocardiography, Normal ECG & abnormal ECG, Cardiac Cycle, Heart sounds , Heart rate and its regulation, Hemodynamics of blood flow, Arteries and Arterioles, Blood pressure, its regulation, applied, Microcirculation, Local Blood Flow Regulation, Lymphatic system, Oedema, Cardiac Output, Venous Return, Coronary Circulation; Ischemic heart disease, Cardiac failure, Circulatory Shock, Congenital heart Disease, Regional Circulations, Effect of exercise on CVS.
- 5. Respiratory system-** Mechanics of respiration, Compliance, Surfactant, Lung volumes and capacities, Dead space, Diffusion of Gases, Respiratory membrane, Transport of O₂, Oxygen–hemoglobin dissociation curve, Transport of CO₂ , Neural control of Respiration, Chemical control of Respiration, Pulmonary Circulation, Ventilation perfusion ratio, Hypoxia, Respiratory adjustments in exercise, Artificial Respiration, Pulmonary function Test.
- 6. Digestive system-** Balanced diet, food, nutrition, Vitamins, various secretions of the digestive tracts, their functions, movements of the alimentary canal and absorption.
- 7. Excretory system-** Structure of kidney, formation of urine, Physiology of Micturition, body temperature regulation, Structure and functions of skin, Body fluids and their regulation, Acid base balance

- 8. Endocrines and Reproduction-** Physiology of various endocrine glands, male and female sex hormones, menstruation, ovulation and physiology of pregnancy.
- 9. Central Nervous System-**General organization of Nervous System, Structural and Functional divisions and Levels, Synapse, Receptors, Ascending Tracts, Physiology of pain, Internal analgesia system, Sensory Cortex, Autonomic nervous system, Thalamus, Motor system – Organization and different motor components, Spinal cord – Organization for motor functions, Cord reflexes, Spinal shock, Reflexes, Muscle Spindle and Golgi tendon organs, Motor Cortex, Descending Tracts, Upper motor Neuron Lesion , Lower Motor Neuron Lesion, Brain stem – Role in control of Motor functions, Vestibular apparatus and brainstem nuclei, Maintenance and regulation of tone, posture and equilibrium, Cerebellum and its motor function,
Basal Ganglia and its motor functions, Parkinson's disease, Higher function of the brain- learning, Memory, Language, Limbic system, Hypothalamus, Reticular activating system, Electroencephalogram, Sleep, Cerebral blood Flow and Cerebrospinal fluid.
- 10. Special Senses-** Physiology of vision, hearing, taste and smell
- 11. Physiology of Growth, Development and Aging.**
- 12. Genetics :An Overview**
- 13.Yoga & Meditation-** Yoga Asanas, Physiological Effects of Yoga, Physiological Effects of Meditation, Health Benefits of Yoga & Meditation.
- 14.Environmental Physiology-** Physiology at High attitude, Hyperbarism, Regulation of body temperature, Space Physiology; Environmental pollution- radiation, smoke, noise, industrial.

SAI TIRUPATI UNIVERSITY

**Ph. D. Syllabus Entrance Exam
Anatomy**

Human Anatomy including Neuro Anatomy.

Development Anatomy, Recent Advances and History of Anatomy.

Comparative Anatomy and Evolution..

1. Introduction: Animal cell, General Consideration of bone and cartilage, articulations and muscles.

2. Embryology: General embryology- Spermatogenesis and genesis, heredity and Human Genetics, Fertilisation and

Segmentation of Ovum. Foetal membranes and placenta. Development of individual system.

3. Osteology: General idea of all the bones of human skeleton.

4. Extrimities: A gross study of muscles: blood vessels, nerves and joints.

5. Thorax: Intercostal spaces, Pleura. JPericardium and contents, Mediastinum and contents, Diaphragm, Mechanism of

respiration, Applied considerations.

6. Abdomen: Anterolateral abdominal wall with its applied importance.

Abdominal cavity- its contents organs, vessels,

nerves and lymphatics. Autonomic nervous system, Perineum-Male and female pelvis, its contents and its applied

considerations.

7. Head and Neck: Study of the skull as a whole, orbital cavity and contents, salivary glands, blood vessels, cranial

nerves, Gross study of Pharynx, Larynx, nasal cavity and ear.

8. Central nervous system: Spinal cord-Tracts, coverings and blood supply, Medulla oblongata, Pons, Cerebellum,

Midbrain and its internal structure, functional significance and connections. Third, Fourth and lateral ventricles.

Forebrain-Internal structure functional significance and connections. Choroid plexus, Covering and blood supply of

brain. Chief nerve tracts-Pyramidal and extra Pyramidal systems.

9. Autonomic nervous system: Parasympathetic and sympathetic system.

10. Ductless Glands: Gross anatomy of all the ductless glands.

11. Dissection: Dissection and study of the dissected parts to supplement the theoretical knowledge.

12. Histology: Study of the histological structure of the various tissues of the body.

SAI TIRUPATI UNIVERSITY

SYLLABUS FOR Ph.D ENTERANCE EXAMINATION IN PHARMACOLOGY

Topics:

General & Pharmacology	<ul style="list-style-type: none">• Combined Drug Administration : In difference, Synergism, Antagonism• Adverse Drug Reactions<ul style="list-style-type: none">• Factors Modifying Drug Action• Introduction : Pharmacology : A Foundation to Clinical Practice• Pharmacodynamics : Principles of Drug Action, Mechanism of Drug Action, Receptors• Pharmacokinetics : Absorption, Distribution, Biotransformation, Elimination• New Drug Development
Autonomic Pharmacology and P.N.S.	<ul style="list-style-type: none">• Adrenergic Drugs• Parasympatholytic drugs• Antiadrenergic drugs• Parasympathomimetic drugs• General Considerations and Neurohumoral Transmission
Cardiovascular and Nephro-pharmacology	<ul style="list-style-type: none">• Antihypertensives and Pharmacotherapy of Hypertension• Antianginal Drugs and Pharmacotherapy of Angina Pectoris• Management of Congestive Cardiac Failure• Diuretics* and Antidiuretics• Pharmacotherapy of Shock & Vassopressor agents
Haematological Pharmacology	<ul style="list-style-type: none">• Haematinics• Anticogulants, Thrombolytic, Antiplatelets and Coagulants• Haematopoietic Factors
Endocrine Pharmacology	<ul style="list-style-type: none">• Corticosteroids• Thyroxin and Antithyroid Drugs• Pharmacotherapy of Diabetes Mellitus• Hormonal Contraceptives• Paratharmone and Drugs affecting Calcium Metabolism• Estrogen, Progestins and their Antagonists• Testosterone and Anabolic Steroids

General Chemotherapy	<ul style="list-style-type: none">•Sulfonamides, Cotrimoxazole, Quinolones•Beta-Lactam Antibiotics•Aminoglycosides•Broad Spectrum Antibiotics•General Considerations•Macrolides•Principles of Cancer Chemotherapy
Chemotherapy of Specific Infections	<ul style="list-style-type: none">•Chemotherapy of Tuberculosis•Chemotherapy of Leprosy•Chemotherapy of Malaria•Chemotherapy of Viral Infection•Chemotherapy of U.T.I•Chemotherapy of Amoebiasis•Chemotherapy of S.T.Is
Neuro-psychiatric and Perioperative Pharmacology	<ul style="list-style-type: none">•Analgesics : Opioids and N.S.A.I.Ds•Hypnotosedatives•Local Anaesthetics•Preanaesthetic Medication•Pharmacotherapy of Epilepsy•Antiparkinsonian Drugs•General Anaesthetics•Psychopharmacology
Gastrointestinal Pharmacology	<ul style="list-style-type: none">•Pharmacotherapy of Acid Peptic Disease•Antidiarrhoeals and Management of Diarrhoea•Antiemetics and Management of Vomiting•Purgatives and Management of Constipation•Emetic

SAI TIRUPATI UNIVERSITY

Syllabus for Ph.D Entrance Examination in NURSING

UNIT-I

- Current trends and issues in Child Health Nursing
- Pre-natal Pediatrics and Growth & Development of children
- Behavioral and Preventive Pediatrics
- IMNCI (Integrated Management of Neonatal and Childhood Illness)
- Neonatal Pediatric Medical & Surgical Disorders

UNIT-II

- Community Health Nursing Trends & Issues
- Population dynamics and control
- Epidemiology
- National Health and Family Welfare Programmes
- IMNCI (Integrated Management of Neonatal and Childhood Illness) Module

UNIT-III

- Current trends in Adult Health Nursing
- Health assessment and care of patients in hospital setting
- Management of patients with disorders of Gastro Intestinal Tract, Nervous System, Respiratory System, Cardio Vascular System, Blood, Genitourinary System, Endocrine System, Musculoskeletal System, Integumentary system, Eye & ENT and Reproductive System
- Geriatric Nursing
- Emergency, trauma and multi system organ failure

UNIT-IV

- Current trends and issues in Mental Health Nursing
- Stress Management and Therapeutic Communication & Interpersonal relationship
- Psycho Social and Physical Therapies
- Psychiatric disorders
- Substance related disorders

UNIT-V

- Current trends and issues in Maternal Health Nursing
- Pregnancy, Normal Labour and Puerperium & Nursing Management
- Normal Newborn
- Family welfare services, Infertility and Menopause
- High risk pregnancy & Labour



A1- Application Form for Recognition as Ph.D. Research Supervisor

A1

SAI TIRUPATI UNIVERSITY, UDAIPUR
(Application Form for Recognition as Ph.D. Research Supervisor)

Faculty _____ Subject/Branch: _____

1. Full Name of the Teacher: _____

(In block letters)

2. Organization & Designation: _____

Passport Size
Photograph

3. Date of the first appointment in College: _____

4. Date of Birth: _____

5. Age at the time of application: _____

6. Official address: _____

7. Permanent address: _____

8. Address for correspondence: _____

_____ E-mail Address: _____

Phone No. (O) _____ (R) _____ Mobile No.: _____

9. Educational qualification

(Enclose attested copies of certificates)

Sr. No.	Name of the Examination (Starting from Graduation)	Institute/ University	Year of Passing	Percentage/ CGPA & Division	Specialization

10. Experience (Enclose attested copies of relevant certificates)

Sr. No.	Name of the organization	Designation	Duration	Remarks, if any

11. Research Experience

(a) Ph.D. – Topic, Faculty, Department and University

(b) M.Phil. – Topic, Faculty, Department and University

(c) Sponsored Research Projects undertaken

(Enclose attested copies of relevant certificates/
Documents)

12. Research Publications

(Enclose self attested copies of relevant certificates/ documents)

Sr. No.	Title	Name of Journal/Conference	Vol./Year/Page No.

13. Books Authored/ Co-Authored and Publications

14. Other Publications (Please enclose attested copies of relevant certificates/ documents)

15. Paper Presentation in National/International Seminars & Conferences

(Please enclose attested copies of relevant certificates/ documents)

Theme of Conference/ Seminar	Title	Organizer	Date

16. Any other information(s) you would like to submit:

(Please enclose attested copies of relevant certificates/ documents)

17. Are you a registered supervisor of UGC recognized university

If Yes, Name & Address of University.

18. Declaration by the Applicant:

I _____ solemnly declare that, the information given in the application form is correct to the best of my knowledge and belief. I shall also abide the by rules and regulations of Ph.D. programme as well as the code of conduct for recognized research supervisor.

Date: _____

Place: _____

Signature of Applicant

19. Remark of the Dean Faculty (STU, University)

Application form of Dr. _____ for registration as Supervisor at the Doctoral Degree in faculty of Medical Sciences/Nursing/Pharmacy (Ph.D. Programme) conducted by Sai Tirupati University, Udaipur.

Date: _____

Place: _____

Signature of the Dean Faculty with seal

20. Recognition by the University

Application of Dr. /Prof _____

Is Approved /**Not approved** for Recognition as Ph.D. Research Supervisor in the Faculty of


_____ Of Sai Tirupati University, Udaipur.

Date: _____

Signature of Dean PG Studies

Sai Tirupati University PhD Application Form

Please fill the Sai Tirupati University PhD application form carefully and deposit Rs using the payment link. For more details call 9587890082, 8209500035.

The name, email, and photo associated with your Google account will be recorded when you upload files and submit this form 

* Indicates required question

Name *

Your answer

Father's Name *

Your answer

Mother's Name *

Your answer

Date of Birth *

Date

dd-mm-yyyy



Gender *

Choose ▼

Mobile Number *

Your answer

Email *

Your answer

Address *

Your answer

Under-Graduate Degree details *

Your answer

Post Graduate Degree details *

Your answer



Subject who wish to choose for PhD *

Choose ▼

Upload your CV

Upload 1 supported file. Max 10 MB.

 Add file

Payment link for PhD Application Fees of Rs :

*

☐

I confirm that I have paid Rs as PhD Application Fees online using the above payment link.

Declaration *

☐

I hereby declare that the date and information provided on the registration form is true and correct.

Submit

Clear form

Never submit passwords through Google Forms.

This form was created inside of Sai Tirupati University.
Does this form look suspicious? [Report](#)

Google Forms



POST-GRADUATE STUDIES
SAI TIRUPATI UNIVERSITY, UDAIPUR

ADMIT CARD (CENTRE COPY)

Roll No. _____
(Leave Blank)

Name of the Candidate: _____

Faculty for Admission: _____

Date: _____

Centre: _____



Signature of the Candidate

Centre Superintendent

(To be taken in the Examination Hall)

.....

POST-GRADUATE STUDIES
SAI TIRUPATI UNIVERSITY, UDAIPUR

ADMIT CARD (Student Copy)

Roll No. _____
(Leave Blank)

Name of the Candidate: _____

Faculty for Admission: _____

Date: _____

Centre: _____



Signature of the Candidate

DEAN, PG STUDIES



B4

SAI TIRUPATI UNIVERSITY, UDAIPUR

APPLICATION FOR ADMISSION FOR THE DEGREE OF DOCTOR OF PHILOSOPHY (Ph.D.)

(The application should be submitted after the admission test of the University)

DETAILED INFORMATION

1. Name of the Candidate: _____

(BLOCK letters in English)

(In Hindi): _____

2. Department: _____

3. Faculty: _____

4. Enrolment No. : _____

(If not enrolled, enclose application for Eligibility & Enrolment form and also submit Migration Certificate)

5. Father's Name: _____ 6. Mother's Name: _____

7. Permanent Address (In English): _____

_____ Pin code: _____

8. Correspondence Address: _____

Telephone No.: _____ Mobile No. _____

E-mail address: _____

9. Category - GEN/SC/ST/OBC/PH/Minority/Other (Enclose attested copy of certificate) _____

10. Examinations passed by the applicant: (Enclose attested copy of certificate)

S.No.	Examinations	Board / University	Subject	Year	Division	% of Marks
1	Secondary or Equivalent					
2	Sr. Higher Sec. or Equivalent					
3	Graduation					
4	Post Graduation					
5	M.Phil.					
6	Others					

**Affix Latest
Photograph**

11. Subject at the Post-graduate level and the name of the faculty:

Subject_____Faculty_____

12. Whether the candidate was previously registered for Ph.D. in this or other universities
YES/NO

If Yes, Name of University:_____Department:_____

Name of Supervisor:_____Date of Registration: _____

Date:

Signature of the Candidate with Date

UNDERTAKING

I hereby undertake the following:

- To appear and complete the course work as prescribed and complete the same satisfactorily as per the Ph.D. rules of the University.
- To pay the fees regularly.
- To fulfill the requirements as per the University Ordinance and Regulations time to time.
- To present six monthly (Half-Yearly) progress report as provided in University Ordinances and Regulations for Award of Ph.D. Degree.
- To submit the Original Migration Certificate or any such other documents required for the purpose of seeking Enrollment in University within 3 months from the date of Admission in the University.
- To follow Ph.D. rules of the university, discipline rules, anti ragging rules and guidelines of the university.
- To follow all the rules and regulations of the University as provided and amended from time to time for award of Ph.D. Degree.

Signature of the Candidate with Date

SAI TIRUPATI UNIVERSITY

Ph.D Synopsis Format

Format for submission of synopsis for Ph.D

Part A: DETAILS OF THE CANDIDATE

1.	Name of the Candidate (Block letters)	
2.	Faculty Name	(Medical Sciences/ Nursing)
3.	Name of the Course	Doctor of Philosophy (Ph.D)
4.	Subject (Block letters)	
5.	Academic Session of admission to the course	
6.	Duration of Course	
7.	Contact details i. Residential Address ii. Email iii. Mobile no.	
8.	Details of the Supervisor Name Designation Department Institute	
	Details of Co-Supervisor (If any) Name Designation Department Institute	

SAI TIRUPATI UNIVERSITY

Ph.D Synopsis Format

Part B: Synopsis Details

1.	Title of the Research Proposal
2.	Introduction and need for the study: <ul style="list-style-type: none">• The background of the study,• Justification / Rational for conducting the study/ Novelty• Hypothesis / Research Questions (if applicable)• Any anticipated implications of the study,• You may add relevant references from literature.
3.	Aims and Objectives: <ul style="list-style-type: none">• Aim must be only one and clear• Each Objective should be numbered /separated with a bullet• 2- 4 Objectives are desirable
4.	Review of Literature <ul style="list-style-type: none">• Give a brief review identifying few reference articles relevant to the proposed study
5.	Research Methodology (include Materials and methods) <ul style="list-style-type: none">5.1. Study Design /study type (Observational/Experimental)5.2. Source of data5.3. Participant size5.4. Study variables (for e. g. in a study between effect of smoking (<i>independent variable</i>) and oral cancer (<i>dependent variable</i>) both should be defined)5.5. A) Inclusion criteria B) Exclusion criteria5.6. Apparatus and materials (equipment's / Instruments/ armamentarium, reagents and methods of measurement)5.7. Data collection procedure5.8. Statistical analysis
6.	Work Plan /Duration (including time line) <ul style="list-style-type: none">6.1. Period of collection of data6.2. Deadline of collection of data6.3. Period of analysis of data

SAI TIRUPATI UNIVERSITY

Ph.D Synopsis Format

7.	<p>Ethical considerations</p> <ul style="list-style-type: none">Does the study require any investigations/interventions to be conducted on the human participants/patients? Yes/No (If applicable enclose the patient consent form, Proforma and concerned approval ; refer Drugs Controller General of India (DCGI) guidelines on www.ctri.in)Does the project involve any drug study on animals? Yes/no If so, whether the required and approved facility is available in the animal house?For Questionnaire study Yes/No (Questionnaire copy enclosed)Has Institutional ethics clearance (IEC) been obtained? Yes/NoHas Institutional animal ethics clearance (IAEC) been obtained Yes/NoMention IEC /IAEC approval reference number.For medicine trial attach reference number with date of DCGI
8.	<p>References</p> <ul style="list-style-type: none">Mention relevant references in <i>Vancouver</i> style, in the order of its appearance in the text.Number each reference consecutively throughout the textProvide it as a superscript when using as a cited reference.Do not use abstracts as the source of texts; Full text articles should be consulted.

Part C

1.	Signature of Candidate:
2.	<p>2.a Remarks,</p> <p>Name & Signature of Supervisor:</p> <p>2.b Remarks,</p> <p>Name & Signature of Co-Supervisor (if any)</p>
3.	Forwarded by Head of Institution

SAI TIRUPATI UNIVERSITY

Ph.D Synopsis Format

APPENDIX/ ANNEXURE:

- Cover letter for synopsis submission
- Institutional Research Board / IAEC (As applicable) approval certificate
- Consent form (if applicable)
- Data collection form (case record form /Questionnaire / data record form)
- Permission letters from other Institutions
- Letter of support from Co-Supervisor or other experts
- Conflict of Interest form and disclosure of source of funding (if applicable)
- Declaration

Guidelines to candidate for preparation of Synopsis

Submission of Synopsis for Research is mandatory. Synopsis is basically an outline or an abstract of what you wish to pursue in the research. The function of synopsis is to make readers identify basic content of Research quickly and accurately. Submission and approval of synopsis is mandatory, so that students may not choose some irrelevant area of research. Synopsis is screened by experts for consideration of approval for the research, and in case of improper synopsis, revisions will be recommended. Synopsis should also include what advancement to the existing knowledge is likely to be achieved by the proposed research. The function of synopsis is to make readers identify basic content of research quickly and accurately.

Formatting of Synopsis

Each synopsis must be prepared with utmost care keeping good language and presentation techniques in mind. Submit the synopsis with the cover page in prescribed format. A synopsis may be of 5-10 pages and shall be simple, straightforward depicting your research study and tools and techniques applied.

Print on A-4 size bond paper, general text (justified), typed in Times New Roman 12 font size with 1.5 line space; top, bottom and right margin of 1 inch and left margin of 1.5 inch; and the paragraphs having no indent but two paragraphs having gap between them; heading typed in Times New Roman 12 font size all caps, bold and must be kept properly in file.

SAI TIRUPATI UNIVERSITY, UDAIPUR

Ph.D. Research Progress Report (Half Yearly)

Period: From..... To.....

1. Name of the Candidate: _____
2. Enrollment No: _____
3. Registration Date: __/__/____
4. Mode (Full Time / Part Time): _____
5. Name of Supervisor: _____
6. Name of Co- Supervisor (If Applicable): _____
7. Title of Thesis (As approved by University Research Board):

8. Subject: _____
9. Faculty: _____
10. Please outline details of progress in your research (Point wise) :

11. What do you plan to achieve over the next 6 months (Point wise)?

12. Number of Publications (Relevant to Research Topic)
(Please attach a separate sheet with details)

13. Supervisor Comments:

Date:

Signature of Candidate

Date:

Signature of Supervisor/ Co-supervisor

List of Publications**Annexure**

No.	Title	Journal / Proceeding	Month, Year	Issue Volume	Page Number	Impact Factor	ISSN

(Please attach a copy of reprint of paper)

(Format of Cover & title Page)

Title of the Thesis

A Thesis

Submitted for the Award of the Ph. D. degree of

SAI TIRUPATI UNIVERSITY

By

(Name of the candidate)

Under the Supervision of

(Name)_____

(Designation)_____

And

Co – Supervision of (if any)

(Name)_____

(Designation)_____



FACULTY OF _____

DEPARTMENT OF _____

SAI TIRUPATI UNIVERSITY, UDAIPUR
(Year)

DECLARATION

I Mr./Ms./Mrs. _____

S/o or D/o _____

Resident of _____

Hereby declare that the research work incorporated in the present thesis entitled

“ _____ ”

is our original work. This work (in part or in full) has not been submitted to any University for the award of a Degree or a Diploma. I have properly acknowledged the material collected from secondary sources wherever required. We solely own the responsibility for the originality of the entire content.

Signature of the Candidate

Date:

Signature of the Supervisor/s

(Certificate to be given by the Supervisor)

CERTIFICATE

It gives me immense pleasure in certifying that the thesis entitled
(Title of thesis)_____

_____ and submitted

by (Name of candidate)_____

is based on the work research carried out under my guidance. He/ She has completed
the following requirements as per Ph.D. regulations of the University;

- i. Course work as per university rules.
- ii. Regularly presented Half Yearly Progress Report as prescribed by the
University.
- iii. Published/ accepted minimum of two research paper in a refereed research
journal.

I recommend the submission of thesis as prescribed/ notified by the University.

Date:

Name and Designation of Supervisor/s

**(Declaration to be given by the candidate on a Non-Judicial stamp paper
of rupees 100/- and verified by a Notary)**

DECLARATION

I Mr./Ms./Mrs. _____

S/o or D/o _____

Resident of _____

Hereby declare that the research work incorporated in the present thesis
entitled

“ _____ ”

Is my own work and is original. This work (in part or in full) has not been
submitted to any University for the award of a Degree or a Diploma. I have
properly acknowledged the material collected from secondary sources wherever
required. I solely own the responsibility for the originality of the entire content.

Date:

Signature of the Candidate

A Synopsis On (Title)

Submitted to Sai Tirupati University for the fulfillment of

Doctor of Philosophy (Ph. D.)

BY

(Name of the Candidate)

Under the Supervision of

(Name and Affiliation Details)

And

Co-Supervision of (if any)

(Name and Affiliation Details)



Faculty of _____

Department of _____

**SAI TIRUPATI UNIVERSITY, UDAIPUR
Year**

COPYRIGHT

I, _____, hereby declare that the
Sai Tirupati University Udaipur, Rajasthan shall have the rights to
preserve, use and disseminate this dissertation/thesis entitled _____

In print or electronic format for academic / research purpose.

Date:

Signature of the Candidate

Place:



C8

(Certificate of scores to be given by the Supervisor)

CERTIFICATE

It is submitted that Mr. /Ms. _____ has secured following scores his/
her assignments/ courses out of maximum 10 scores including both the courses.

1. Review of Literature: _____

2. Subject related assignments: _____

Signature of Supervisor with date



C9

Student Approval Form for Uploading of Ph.D. Thesis on SHODGANGA

Name of the student and enrolment Number :

School and Discipline :

Research Supervisor (s) :

Title of the thesis :

Date of Submission :

Key words (up to five) :

Date of viva voce examination :

Year of Award :

Undertaking

1. I hereby authorize **SAI TIRUPATI UNIVERSITY** to upload the above thesis at Shodhganga as per rules.
2. I understand that the thesis will be uploaded on Shodhganga repository after conduct of viva voce examination, but not later than one month of award of the Ph.D.Degree.
3. I hereby certify that the contents of the thesis don not violate any provisions under the copyright act.
4. I understand that I retain the copyrights of the thesis. I also retain the right to use up future works (such as articles or books) all or part of this thesis.

Date :

Signature

Signature & seal

Signature & seal

Research co-supervisor

Research supervisor