



# **RAYALASEEMA UNIVERSITY**

---

**PG COMMON ENTRANCE TEST-2016  
(RUPGCET-2016)**

**PROSPECTUS**

**2016-17**

**A. GENERAL**

1. Convener, RUPGCET-2016, Rayalaseema University, Kurnool, invites applications **online** for admission to various postgraduate courses in Arts, Science, and Commerce offered at Rayalaseema University College, Kurnool, and its affiliated colleges, for the academic year 2016-17.
2. The admissions are governed by the RUPGCET-2016 rules and regulations given below. The Advisory Committee of RUPGCET-2016 reserves the right to change or modify the rules and regulations. **Notwithstanding anything in this Booklet, the rules and regulations that are in force in the University from time to time are applicable.**
3. For getting admission to a course, a candidate should qualify in RUPGCET-2016 and satisfy the eligibility criteria prescribed for the course. No candidate will be admitted by the University or the affiliated colleges without qualifying in RUPGCET-2016.
4. Indian nationals who are natives of other states (other than AP) are eligible for admission under National Integration Quota (5%). These seats are over and above the existing seats.
5. Foreign nationals / NRIs can be admitted without Entrance Test subject to satisfying the eligibility criteria and production of *Student Visa* for the period of study at the University.
6. Postgraduate degree holders of a particular course/subject are not entitled to admission to the same course/subject. **A PG degree holder can pursue another PG course in a different course/subject but s/he is not eligible for scholarship and fee reimbursement. However, no accommodation will be provided to them due to limited hostel facility. We discourage second PG admissions with a view to providing opportunity for first-time PG students.**
7. No candidate is entitled to pursue more than one full-time course at a time. **If admitted, no candidate can undertake any other assignment or employment or study any other course simultaneously.**
8. **The University reserves the right to offer or not to offer a particular course basing on the economic viability/depending on the number of candidates who opt to join in it.**

9. Qualifying in the RUPGCET-2016 does not guarantee admission. The candidate must satisfy all the eligibility criteria prescribed for admission to a course.
10. If it is proved that any of the certificates submitted by a candidate was tampered with or fake, the candidate not only loses seat but is also liable for prosecution.
11. The rule of reservation is not applicable to Payment seats and NRI seats.
12. Before applying for RUPGCET-2016, the candidate has to satisfy himself/herself about his/her eligibility to take a particular test and to seek admission to the related course.
13. The University reserves the right to modify courses/seats available in the colleges and the details will be made available on the website [www.rupgcet2016.in](http://www.rupgcet2016.in)
14. Original certificates will not be returned till the completion of the course. Candidates are instructed to maintain sufficient copies of certificates before submitting the originals to the University.
15. The prescribed fee should be paid during the beginning of the academic year within the stipulated time. Otherwise, the admission will be cancelled.
16. The application submitted should be complete in all respects. Incomplete applications will be summarily rejected.
17. Attendance is compulsory. Students' attendance is monitored through biometric system. Students who put in less than 75% of class attendance will not be allowed to appear for examinations and **they will not be eligible for** fee reimbursement and scholarship also. Parents may also note this point and advise their wards to adhere to all the norms.

## **B. COURSES OF STUDY**

The duration of each course offered is two years (four semesters). Regular (R), Payment (P), and Self-Financing (SF) courses are offered at the University/the affiliated colleges.

**C. AVAILABILITY OF SEATS IN THE UNIVERSITY AND AFFILIATED COLLEGES****1. Rayalaseema University College, Kurnool**

Course	Seats under Various Categories			
	Regular	Self-Financing	Payment	NRI/Sponsored
M.Sc. Botany	--	20	5	--
M.Sc. Biochemistry	--	20	5	--
M.Sc. Biotechnology	--	20	5	2
M.Sc. Chemistry (Natural Products)	20	--	5	--
M.Sc. Chemistry (Organic)	--	20	5	2
M.Com General	--	30	5	--
M.Sc. Computer Science	--	30	5	--
M.Sc. Data Science	--	20	5	--
M.A. Economics	30	--	5	--
M.Ed.	--	40	10	--
M.A. Educational Leadership & Management	--	20	5	--
M.Sc. Electronics & Communications	--	20	5	2
M.A. English	--	35	5	--
M.Sc. Mathematics	--	30	5	--
M.Sc. Physics	20	--	5	--
M.Sc. OR&SQC (Statistics)	20	--	5	--
M.A. Telugu	30	--	5	--
M.Sc. Zoology	--	20	5	--

## 2. Affiliated Colleges

Course	Code	Name of the College	Self-Financing
M.Sc. Computer Science	102	Sri Ramakrishna PG College Nandyal	40
	103	National PG college Nandyal (Minority Institution)	40
	105	KVR Govt, Degree College for women Kurnool	40
M.Sc. Electronics	102	Sri Ramakrishna PG College Nandyal	30
M.Sc. Biochemistry	103	National PG College Nandyal (Minority Institution)	30
	104	St. Joseph ` Degree College Kurnool	30
	111	Sri Sankara's Degree College, Kurnool	30
M.Sc. Mathematics	102	Sri Ramakrishna PG College, Nandyal.	40
	103.	National PG College, Nandyal.	40
	104	St. Joseph's degree College, Kurnool.	40
	106	Osmania College, Kurnool (Minority Institution)	40
	110	SPY Reddy Degree College for women Nandyal	40
M.Sc. Micro Biology	103	National PG College Nandyal (Minority Institution)	30
	104	St. Joseph's Degree College , Kurnool	30
M.Sc. Organic Chemistry	103	National PG College, Nandyal (Minority Institution)	30
	104	St, Joseph's Degree College, Kurnool	30
	105	KVR Govt. Degree College for Women, Kurnool	30
	106	Osmania College, Kurnool (Minority Institution)	30
	107	K.V. Subba Reddy Degree College and PG College, Allagadda	30
	111	Sri Sankara's Degree College, Kurnool	30
	112	The Adoni Arts and Science College. Adoni	30
	113	Sri Sai Ram Degree College, Nandikotkur	30
M.Sc. Physics	102	Sri Ramakrishna PG College, Nandyal	30
	103	National PG College, Nandyal ( Minority Institution)	30
	106	Osmania College, Kurnool (Minority Institution)	30
	107	K.V. Subba Reddy Degree and PG College, Allagadda	30
	108	Silver Jubilee Govt. Degree College, Kurnool	30
Msc. Botany	103	National PG College, Nandyal (Minority Institution)	30
	105	KVR Govt. Degree College, for Women, Kurnool	30
M.A. Telugu	102	Sri Ramakrishna PG College, Nandyal	40
	106	Osmania College, Kurnool (Minority Institution)	40
	108	Silver Jubilee Govt. Degree College, Kurnool	40
	113	Sri Sai Ram PG College, Nandikotkur	40
	122	Sri Satyasai Degree College, Kodumur	40
	123	SML Degree College, Yemmiganur	40
M.A. English	102	Sri Ramakrishna PG College, Nandyal	40
	105	KVR Govt. College for Women, Kurnool	40
	106	Osmania College, Kurnool (Minority Institution)	40
	108	Silver Jubilee Govt. Degree College, Kurnool	40
	110	SPY Degree College for Women, Nandyal	40
	111	Sri Sankara's Degree college, Kurnool	40

M.A. Economics	<b>108</b>	Silver Jubilee Govt. College, Kurnool	<b>40</b>
	<b>123</b>	SML Degree College, Yemmiganur	<b>40</b>
M.Com General.	<b>108</b>	Silver Jubilee Govt, Degree College, Kurnool	<b>40</b>
	<b>112</b>	The Adoni Arts and Science College. Adoni	<b>40</b>
M.Com. Professional	<b>102</b>	Sri RamaKrishna PG College, Nandyal.	<b>40 + 40</b>
	<b>104</b>	St. Joseph's Degree College, Kurnool	<b>40</b>
	<b>105</b>	KVR Govt. Degree College for Women, Kurnool	<b>40</b>
	<b>106</b>	Osmania College. Kurnool (Minority Institution)	<b>40</b>
	<b>109</b>	RIE PG College, Kurnool	<b>40</b>
	<b>113</b>	Sri Sai Ram PG College, Nandikotkur	<b>40</b>
	<b>120</b>	Govt. Degree College, Kurnool	<b>40</b>
	<b>121</b>	Sai Sri PG College, Dhone	<b>40</b>
	<b>122</b>	Sri Satyasai Degree College, Kodumur	<b>40</b>
<b>124</b>	SNR Degree College, Karivena	<b>40</b>	
M.Com. E-Commerce	<b>102</b>	Sri RamaKrishna PG College, Nandyal.	<b>40</b>
M.Ed.	<b>115</b>	Viswavani College of Education, Nandyal	<b>50</b>
	<b>116</b>	Sri Sankara's College of Education, Kurnool	<b>50</b>
	<b>117</b>	JVRR College of Education, Nandyal	<b>50</b>
	<b>119</b>	Sri Lakshmi Venkateswara College of Education, Kurnool	<b>50</b>

#### D. ELIGIBILITY FOR TAKING THE ENTRANCE TEST

1. The candidate should have passed the qualifying examination with a minimum of 40% marks in the subject concerned. For the courses where admission is based on the degree as a whole, the aggregate percentage of marks in the group subjects should be at least 40%. **For admission to MEd, the aggregate marks in BEd / BEIEd should be at least 50% and in case of DEIEd with UG Degree course with 50% marks in each course. A pass is sufficient for SC/ST candidates for admission to any course.** For admission to MSc in Data Science and MA in Educational Leadership and Management, a minimum of 50% marks in group subjects is compulsory. A minimum of 40% marks in group subjects is compulsory for SC/ST for admission to MSc in Data Science and MA Educational Leadership and Management.

2. Candidates who have already passed the qualifying examination or who have appeared /are appearing for the final year annual examination in 2016 are eligible to apply. **Supplementary candidates of 2016 are not eligible.**

3. Eligibility criteria for each course are given in **Section P**.

**E. HOW TO APPLY****IMPORTANT INSTRUCTIONS FOR ONLINE APPLICATION**

1. The application should be submitted ONLINE only at the website [www.rupgcet2016.in](http://www.rupgcet2016.in) by registering the name and other details.
2. A Separate registration is required for each Test. No change of subject shall be entertained at any stage.
3. Candidates should ensure uninterrupted power supply and internet connectivity before filling the application and making the payment online.
4. For speedy processing of application, candidates should keep a scanned copy of their latest passport size photo and signature in JPEG/ JPG format **only with less than 100KB** in size.

**5. Steps for online registration:**

1. Read the eligibility conditions given in the prospectus for the test to be taken and ensure your eligibility before applying.
2. Go to the website [www.rupgcet2016.in](http://www.rupgcet2016.in) and click on online registration button/link.
3. Register your candidature by entering specified details.
4. Fill all the details and make payment using your bank “Debit card” / “Net Banking”
5. Complete your registration in all aspects.
6. Preserve your user id and password for further processing. The same id and password will be useful till the finalization of admission.

**Candidates are instructed to maintain the secrecy about their login details.**

**6. Steps for filling the online Application Form:**

- A. Filling of online application form is allowed only after payment.
- B. Be ready with scanned passport size photo and scanned signature separately in JPEG/JPG format only with less than 100KB in size.
- C. Upload your scanned passport size photo and scanned signature.
- D. Fill all the required details.
- E. Click the Submit button to confirm the details. If you need correction, press the Back button and edit the data.
- F. Press the Save & Print button to get a printout. Preserve a copy of the application for further reference.
- G. If there is any problem during the above process, contact the **HELPLINE** of RUPGCET-2016. **Helpline Timings: 10.00am to 5.00pm on all working days.**
- H. The application number should be used to download the Hall Ticket.

**F. TEST CENTRE**

Test Centers for RUPGCET-2016:

S. No	Test Center
1	Kurnool
2	Nandyal
3	Adoni

**No change in examination centre will be entertained at any stage.**

### **G. PARTICULARS OF ENTRANCE TESTS**

1. There is a prescribed syllabus for each Entrance Test as given in **Section Q**.
2. Each Entrance Test will be of 90 minutes' duration with 100 multiple choice questions. Each question will be for one mark and there will be no negative mark for a wrong answer.
3. The question paper for Data Science, Educational Leadership & Management, English, and Computer Science will be in English only. For Telugu, question paper will be in Telugu only. For all other Tests, the question papers will be in both English and Telugu.
4. Candidates can download their Hall Tickets from the website using their registration details. No candidate will be permitted into the examination hall without proper Hall Ticket.
5. Calculators, books, sheets of paper, mathematical and physical tables, slide rulers, paggers, electronic organizers, digital diaries, mobile phones, or any other calculating aids will not be allowed into the Examination Hall.
6. Candidate should answer only on the OMR SHEET provided to them with their name, Hall Ticket number, and Photo printed on it.

### **H. RANKING**

1. The minimum qualifying mark in the Entrance Test is 25. However, for SC/ST candidates there is no minimum qualifying mark.
2. When there is a tie on the basis of marks obtained in the Test as a whole, it will be resolved on the basis of marks obtained in Section-C. If there is still a tie, it will be resolved on the basis of marks obtained in Section-B. If there is still a tie, it will be resolved as per seniority in age.
3. Ranks will be informed to the candidates by SMS after the announcement of RUPGCET-2016 results.
4. Candidates can download the Rank Card from the website [www.rupgcet2016.in](http://www.rupgcet2016.in)
5. The Rank obtained in RUPGCET-2016 is valid for admission for the academic year 2016-17 only.
6. There is NO provision for REVALUATION or PERSONAL IDENTIFICATION of the Answer Sheet.

### **I. ADMISSION PROCEDURE**

1. Admission to a course will be based on RUPGCET-2016 Rank, **subject to the candidate fulfilling the other eligibility criteria.**
2. The candidate should have passed the qualifying examination with the minimum percentage of marks prescribed.



3. Candidates will be called for the verification of certificates. The schedule of certificate verification will be placed in the website after announcement of results.
4. Candidates have to appear for certificate verification with all the original certificates along with TWO sets of Photostat copies and TWO passport size photographs as per the schedule.
5. Candidates have to attend the certificate verification on the date and time prescribed at their own expense with the required original documents.
6. If a candidate fails to attend the verification session on the specified date and time of the subject for whatever reason, s/he will forfeit the opportunity in that phase. However, s/he can attend the next phase of verification, if any. If a candidate attends on the subsequent phase of verification, s/he may be considered for the vacant seats available at that time.
7. Any representation for postponement of the date and time or exemption from personal appearance will not be entertained.
8. At the time of counselling, the following original documents should be submitted by the candidate. If a candidate fails to produce any of the following certificates, s/he will not be considered for admission.
  - RUPGCET-2016 Hall Ticket and Rank Card
  - Marks Statements and Provisional/Degree Certificate of the qualifying examination
  - Transfer Certificate (TC) and Conduct Certificate(s)
  - SSC and Intermediate Pass Certificates
  - Two passport-size photographs
  - Study Certificates from IX class to the qualifying examination
  - Caste certificate in original from Tahshildar in case of SC/ST/BC candidates (Integrated Caste Certificate or Temporary Caste Certificate taken in 2016)
  - Two Income Certificates from Tahshildar obtained in 2016
  - Relevant certificate in case of other reservations (PH/NCC/NSS/Games & Sports/NI)
  - Discharge Certificate and Service Certificate of the parent in case of children of Armed Services Personnel
  - Residence Certificate of parents for stay in the state of A.P. from Tahshildar in case of candidates who have studied outside AP / carried out private study
  - Migration Certificate (for other than SVU region candidates)
9. The cases of pending revaluation / results will not be considered.
10. Candidates have to appear for certificate verification with all originals and fulfil the eligibility criteria subject to rule of reservation. A candidate who fails to produce all the necessary certificates, particularly TC & CC, Marks Memo, Provisional Certificate and reservation category certificates at the time of verification will forfeit the chance.
11. Candidates have to exercise their options for colleges with the website using their login as per the schedule displayed on the website. University will not be responsible for not entering or incomplete entry of web options by the candidates.
12. Allotment of seat through the website is final. The candidate has to take a print out of the allotment letter and course fee challan from the website, pay the course fee within the stipulated time at any SBH Branch and report to the allotted college before the specified date.

13. Candidates who are not satisfied with the first phase of allotment and wish to appear for the second phase, **if any**, need not pay the course fee and report to the allotted college. They can appear for the second phase of verification. **In such cases, the allotment of first phase stands cancelled and the allotment in second phase is subject to availability of seats, merit and rule of reservation..**

14. However, after the first phase of allotment, any candidate who wants to opt for cancellation of admission is allowed to do so at the Convener office with a cancellation fee of 10% of the regular or self- financing fee paid or Rs.500/- whichever is higher until the commencement of the second phase of verification and without refund of fee from the date of commencement of the second phase of verification.

15. For cancellation of admission after the closing of admissions, the candidate has to pay the total fee for the entire course period without any concession and has to take the original certificates.

16. All the admissions are purely provisional and the University reserves the right to cancel the admission of a candidate at any stage.

#### **J. LOCAL AND NON-LOCAL CANDIDATES**

**i. Local Area:** The SVU region comprises areas coming under Rayalaseema University, Sri Venkateswara University, Sri Krishnadevaraya University, Yogi Vemana University, Vikrama Simhapuri University, Sri Padmavathi Mahila Viswa Vidyalayam, and Dravidian University.

**ii. Non-Local Area:** **The OU region comprises Osmania, Kakatiya, Satavahana, Mahatma Gandhi, Telengana and Palamur University areas.** The AU region comprises Andhra, Acharya Nagarjuna, Dr. BR. Ambedkar, Krishna, and Adikavi Nannayya University areas.

2. A candidate is treated as local to a particular region (SVU/OU/AU) if
  - a. s/he studied in that region (or stayed in case of private study) for four consecutive academic years ending with the academic year in which s/he has first appeared for the final year qualifying examination.
  - b. s/he studied (or stayed in case of private study) for seven consecutive academic years within the state of Andhra Pradesh ending with the academic year in which s/he first appeared for the final year qualifying examination and studied (or stayed in case of private study) for the maximum period in that region.
  - c. In case a candidate studied (or stayed in case of private study) for equal periods in two different regions during the last seven years, s/he is local to that region where s/he has studied (or stayed in case of private study) last.
3. Any candidate who is not local to one region will be treated as **non-local** to that region if
  - a. **s/he is local to any other region in the State of Andhra Pradesh.**
  - b. s/he resided for a total period of not less than 10 years in Andhra Pradesh, excluding the periods of study outside the State.

- c. his/her parents resided in Andhra Pradesh for a total period of not less than 10 years.
- d. his/her parent/spouse is presently working in Andhra Pradesh in government or allied services.

## **K. ALLOCATION OF SEATS TO VARIOUS RESERVATION CATEGORIES**

1. 85% of the seats in each course are reserved for local candidates, i.e. candidates belonging to SVU region, while 15% are filled with local or non-local candidates on merit.
2. Seats allocated to different reserved categories are as follows: SC-15%, ST-6%, BCA-7%, BCB-10%, BCC-1%, BCD-7%, BCE-4%; ECA: NCC-1%, NSS-1%, Games and Sports-1%; PH (Physically Handicapped / Differently Abled) -3%, and CAP (Children of Armed Services Personnel) -2%. (ECA and PH are for local candidates only).
3. **Reservation for women:** 33.33% of the seats are reserved for women candidates in each category (i.e., OPEN, SC, ST, BC, ECA, and PH). This rule is not applied if women candidates selected on merit in a category from one third or more of the seats therein. If there are no suitable women candidates in a category, the seats will be filled with men candidates of the same category.
4. A vacancy under SC, when no SC candidate is available, goes to ST and vice-versa. If enough SC and ST candidates are not available, the vacant seats are allotted to OC candidates. A vacancy under one BC group goes to any other BC group on the basis of merit in the Entrance Exam. If enough BC candidates are not available, the vacant seats go to OC candidates.
5. For admission to Extra Curricular Activities (ECA) seats, participation during the period of study of the qualifying course alone is considered.
6. Expert committees nominated by the University will certify the suitability and priority of the candidates under special categories (ECA/PH/CAP).

## **L. PAYMENT SEATS**

In most of the Regular (R) courses, additional seats are provided as payment seats. The candidates selected for admission under this category have to pay the prescribed fee at the time of admission, in addition to the Special Fee for the respective courses.

## **M. NRI SEATS**

In some of the courses, additional seats are provided as NRI seats. The candidates selected for admission under this category have to pay the NRI fee at the time of admission, in addition to the Special Fee payable.

**Admissions for Payment and NRI seats will be done simultaneously along with the Regular and Self-Financing seats.**

## **N. FEE PARTICULARS**

1. For verification of certificates, the candidate has to pay a registration fee of Rs.300/- (Rs.150/-

for SC/ST category) which is not refundable under any circumstance. Candidates are advised to ensure their eligibility in all aspects before paying the registration fee.

2. Fee details for all courses at different institutions will be made available on the website: [www.rupgcet2016.in](http://www.rupgcet2016.in) Fee concession is allowed to SC/ST/BC candidates for regular and self-financing courses on the production of valid caste and income certificates as per the GOs in vogue. SC/ST/BC/EBC category candidates claiming fee exemption/reimbursement have to produce parental income certificate (Rs. 1,00,000/- or less per annum) taken on or after 01-01-2016. Fee concession is not applicable to Payment and NRI categories and to those admitted under Management quota. If both Regular and Self-Financing courses are offered for the same subject in a particular college, the fee reimbursement from the Government will be the same as the fee reimbursed for regular course, and the SC/ST candidates have to pay the remaining fee vide G.O. MS.No.56, Social Welfare Department, Dated 06-10-2003.

If any admitted SC/ST/BC/EBC category candidate does not get fee reimbursement from the Government, s/he will have to pay the specified fee to the University, and if the government reimburses only part of the fee, the student has to pay the remaining fee.

*The candidates are advised to see the website [www.rupgcet2016.in](http://www.rupgcet2016.in) from time to time for information with regard to the availability of a course in a particular institution, number of seats, fee particulars etc.*

## O. HOSTEL ACCOMMODATION

Admission to an institution does not automatically entitle a student to accommodation in the hostel(s). The students have to find out for themselves the details of hostel accommodation available in the affiliated colleges.

## P. ELIGIBILITY CRITERIA FOR DIFFERENT COURSES

The eligibility criteria for Entrance Test to each course available at Rayalaseema University (RU), Kurnool, and at its affiliated colleges are given below.

Course	Eligibility	Test
MSc Biochemistry	BSc with Chemistry/ Biochemistry with any Biology subject	01-Biochemistry
MSc Biotechnology	BSc with Chemistry/ Biotechnology and any one Biology subject / BTech Biotechnology	02- Biotechnology
MSc Botany	BSc with Botany and Chemistry / Biochemistry	03-Botany
MSc Chemistry (Natural Products) MSc Chemistry (Organic Chemistry)	BSc with Chemistry/Industrial Chemistry (studied for 3 years) and any two science subjects	04-Chemistry

MCom General MCom Professional MCom E-Commerce	BCom or BA with Accountancy under Part II or BCom Computers/Computer Applications or BBA /BBM/ BCom company Secretary ship or BCom (Honors) or BCom (Restructured Courses)	<b>05-Commerce</b>
MSc Computer Science	BSc Computer Science /BCA / BA Computer Applications / BCom Computer Applications/ BSc Mathematics combination /BA Mathematics combination	<b>06-Computer Science</b>
MSc Data Science	BSc Mathematics with Physics, Chemistry, Statistics, Electronics, Computer Science /BTech CSE, IT, Electronics / equivalent courses with 50% marks in group subjects.	<b>07-Data Science</b>
MA Economics	BA with Economics with 400 marks	<b>08-Economics</b>
MEd	BEEd / BEIEd / DEIEd with UG Degree	<b>09-Education</b>
MA Educational Leadership and Management	Any Graduate with 50% marks in group subjects.	<b>10-Educational Leadership and Management</b>
MSc Electronics & Communications	BSc Mathematics, Physics & Electronics BSc Mathematics, Electronics & Computer Science BSc Mathematics, Physics & Computer Science BSc Mathematics, Physics & Chemistry	<b>11-Electronics &amp; Communications</b>
MA English	Any graduate with English in Part I or Part II for a minimum of at least 200 marks	<b>12-English</b>
MSc Mathematics	BA or BSc with Mathematics	<b>13-Mathematics</b>
MSc Micro-Biology	BSc with Microbiology / Chemistry and any two biology subjects	<b>14-MicroBiology</b>
MSc Physics	BSc with Physics and Mathematics	<b>15-Physics</b>
MSc OR&SQC (Statistics)	BA / BSc with Statistics and Mathematics	<b>16-Statistics</b>
MA Telugu	Any graduate with Telugu in Part I or Part II or BA Oriental Learning in Telugu for a minimum of atleast 200 marks	<b>17-Telugu</b>
MSc Zoology	BSc with Zoology and Chemistry / Industrial Chemistry	<b>18-Zoology</b>

\* BSc Nursing candidates are not eligible to apply for MSc Biotechnology and MSc Microbiology.

## Q. SYLLABUS FOR THE ENTRANCE TEST

In most cases, the syllabus prescribed for the Entrance Test is the Common Core First Year Syllabus of 2013-14, Second Year Syllabus of 2014-15, and Third Year Syllabus of 2015-16 of the course concerned as offered by the colleges affiliated to Rayalaseema University.

**Test-01 Biochemistry**

Section A: Biomolecules, Physiology and Methodology

Section B: Enzymes, Metabolism and Microbiology

Section C: Molecular Biology, Immunology and Endocrinology

**Test-02 Biotechnology**

Section A: Genetics & Ecology and Plant Physiology of B.Sc., Botany

Section B: Cell Biology, Genetics and Animal Physiology of B.Sc., Zoology

Section C: Organic Chemistry of B.Sc. Chemistry

**Test-03 Botany**

Section A: Paper I (Diversity of Microbes and Cryptogams)

Section B: Paper II (Gymnosperms, Diversity structure and Development of flowering plants and Ecology)

Section C: Paper III (Taxonomy, Palynology, Embryology and utilization of plants) Paper IV Physiology, Cell Biology, Genetics & Biotechnology)

**Test-04 Chemistry**

Section A: Inorganic Chemistry of three years Section B: Physical Chemistry of three years

Section C: Organic Chemistry of three years

**Test-05 Commerce**

Section A: Paper I (Business Economics); Paper II (Financial Accounting-I); Paper III (Industrial Organization & Management)

Section B: Paper V (Banking and Financial Systems); Paper VI (Financial Accounting-U)

Section C: Paper IX (Business Laws); Paper X (Income Tax and Practical Auditing)

**Test-06 Computer Science**

Section A: Paper I (PC Software and Programming in C)

Section B: Paper II (Programming in C++ and Data Structures)

Section C: Paper III (Modern DBMS)

**Test-07 Data Science**

Section A: Paper I

Section B: Paper II

Section C: Paper III

**Test-08 Economics**

Section A: Paper I (Micro Economics)

Section B: Paper II (Macro Economics)

Section C: Paper III (Indian Economy and Environmental Economics)

**Test-09 Education**

Section A: Foundations of education, communicative English

Section B: Psychological foundations of education, Personality development

Section C: Educational Technology and Computer Education, School Management and Systems Education

**Test-10 Education Leadership & Management**

Section A:

Section B:

Section C:

**Test -11 Electronics & Communications**

Section A: Passive Components and circuit analysis

Section B: Electronic Devices and Circuits

Section C: Solid State Electronic Circuits and Digital Electronics

**Test-12 English**

Section A: *A Course in Listening and Speaking I*, Poetry, Prose, Short Stories, One-Act Plays, and Grammar and Vocabulary Studied in the First Year under Part-I (A) English

Section B: *A Course in Listening and Speaking II*, Poetry, Prose, Short Stories, One-Act Plays, and Grammar and Vocabulary Studied in the Second Year under Part-I (A) English

Section C: Drama and Novel Studied under Part II English of BA

**Test-13 Mathematics**

Section A: Paper I Differential Equations and Solid Geometry

Section B: Paper II Abstract Algebra and Real Analysis

Section C: Paper III Linear Algebra and Vector Calculus

**Test-14 Microbiology**

Section A: Paper I and II: (General Microbiology, Microbial Physiology and Metabolism, Molecular Biology.

Section B: Paper III and IV: Immunology, Medical Microbiology and Applied Microbiology.

Section C: Chemistry related to Biological Sciences; and Biophysical and Biochemical techniques.

**Test-15 Physics**

Section A: Paper I (Mechanics, Waves and Oscillations)

Section B: Paper II (Thermodynamics and Optics)

Section C: Paper III (Electricity, Magnetism and Electronics) Paper IV (Modern Physics and Electronics)

**Test-16 OR&SQC / Statistics**

Section A: Paper I (Probability and Distributions)

Section B: Paper II (Statistical Methods and Inference)

Section C: Paper III (Applied Statistics), Paper IV (Applied Statistics)

**Test-17 Telugu**

Section A: Paper I Studied under Part-I (B) Telugu: Prachina Padyabhagamu, Adunika Padyabhagam, Navala and Grammar

Section B: Paper I Studied under Part-I (B) Telugu; Prachina Padyabhagamu, Adunika Padyabhangam, Gadhyabhagam, Drama, Alamkaras, Grammar and Essay

Section C: Paper I (History of Literature) and Paper II (History of Telugu Language, Grammar and Dialects) Studied under Part II Telugu of BA

**Test-18 Zoology**

Section A: Paper I (Biology of Invertebrates and Cell Biology)

Section B: Paper II (Biology of Chordates, Genetics, Evolution and Zoogeography)

Section C: Paper III (Animal physiology, Behavior and Ecology)

**R. QUESTIONS :** Multiple Choice Questions. (Previous years question paper booklets can be obtained from SBH, RU Campus, on payment of Rs. 50/- per booklet)