

KRISHNA UNIVERSITY

MACHILIPATNAM

**KRISHNA UNIVERSITY COMMON ENTRANCE TEST
(KUCET) – 2010**



**INFORMATION BROCHURE
FOR ADMISSION INTO**

M. Sc (BIOTECHNOLOGY)
(5 Years Integrated)

M. Sc (ELECTRONICS AND INSTRUMENTATION)
(Industry linked programme)

**DIRECTOR
DIRECTORATE OF ADMISSIONS
KRISHNA UNIVERSITY
MACHILIPATNAM**

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KRISHNA UNIVERSITY COMMON ENTRANCE TEST (KUCET-2010) ADMISSION INFORMATION BROCHURE

Applications are invited in the prescribed proforma from the candidates who have passed/appearing for the final year examination in the qualifying Intermediate for admission into M. Sc Biotechnology (5 Years Integrated), and the candidates who have passed/appeared for the final year examination in the qualifying Degree for admission into M. Sc Electronics & Instrumentation for the academic year 2010-11 offered by Krishna University through Krishna University Common Entrance Test (KUCET – 2010).

Course Profile:

M. Sc BIOTECHNOLOGY (5 YEARS INTEGRATED)

Admission into the First year of the 5 – Years Integrated M. Sc Biotechnology course for the Academic Year 2010-11, will be on the basis of the rank obtained in the KUCET to be conducted by the University.

1. Name of the Course : M. Sc (Biotechnology)
2. Duration : 5 Years Integrated
3. Eligibility : Students who have completed/appeared 10+2 level in Biological/Physical Sciences
4. Medium of instruction : English
5. No. of Seats : 40 Seats (Reservation rules apply)
6. Instructions : (1) The course will be conducted at Krishna University Campus as full time regular course.
(2) Semester system is followed.
(3) For evaluation Credit and Gradation system is followed.
7. Course Structure : The course consists of ten semesters. The course include general as well as core subjects with specializations in Agricultural/Marine Biotechnology.
8. Fee Structure : Fee reimbursement/Scholarships will be as per the AP Government Rules

YEAR	FEE TO BE PAID (Rs.) (inclusive of all fees, except examination fee)
I	29,850/-
II	29,850/-
III	29,850/-
IV	29,850/-
V	29,850/-

9. **Entrance Exam Pattern** : Admission into the First year of the 5 – Years Integrated M. Sc Biotechnology course for the Academic Year 2010-11, will be on the basis of the rank obtained in the KUCET. However, candidates will also be admitted into the course based on the rank obtained in the EAMCET-2010, if seats are available.

SYLLABUS FOR ENTRANCE TEST

PART A: Physics syllabus prescribed for Intermediate course by the Board of Intermediate Education, Andhra Pradesh. (25 Q)

PART B: Mathematics syllabus prescribed for Intermediate course by the Board of Intermediate Education, Andhra Pradesh. (40 Q)

PART C: Chemistry syllabus prescribed for Intermediate course by the Board of Intermediate Education, Andhra Pradesh. (25 Q)

PART D: Biology syllabus prescribed for Intermediate course by the Board of Intermediate Education, Andhra Pradesh. (40 Q)

MODEL QUESTION PAPER FOR M. Sc (Biotechnology)

GENERAL INFORMATION:

1. The test paper consists of 3 parts. The student has to answer questions either on
 - a) Mathematics, Physics and Chemistry
(Or)
 - b) Biology, Physics and Chemistry.

The student opting for Mathematics, Physics and Chemistry option will have to answer 40 questions in Mathematics, 25 questions each in Physics and Chemistry.

The student opting for Biology, Physics and Chemistry option will have to answer 40 questions in Biology, 25 questions each in Physics and Chemistry.

2. The candidate has to answer 90 multiple choice questions in 75 minutes. All questions carry equal marks (1 mark each). There is no negative marking. The student should answer all questions.
3. The Test booklet contains questions & answers in English only.

Mathematics (40 Marks)

1. The game of Beach Quidditch is played with a large hollow spherical ball made from gold vinyl. The diameter of the ball is 1.2 meters. If the vinyl costs \$32 per meter, which of the following is the closest to the cost of vinyl for one ball. [a]
- a) \$29 b) \$145 c) \$232 d) \$579

Physics (25 marks)

1. First law of thermodynamics is a special case of [a]
- a) Law of conservation of energy b) Boyle's law c) Charle's law d) Gaylussac's law

Chemistry (25 Marks)

1. During oxidation, molecules [c]
- a) Disintegrate b) Gain neutrons c) Lose electrons d) Lose carbon

Biology (40 Marks)

1. Which of the following is not a unique feature of meiosis? [d]
- a) Synopsis b) Homologous recombination c) Reduction division d) Diakinesis
2. Mosquito is having..... [b]
- a) Sponging type of mouth parts b) Piercing & Sucking type of mouth parts
- c) Chewing and biting type of mouth parts d) No mouth parts

M. Sc Electronics & Instrumentation

(Industry linked programme)

The course is designed as industry linked, considering the overall advantages of the Industry and Institution Linkage (IIL). The University has signed an MoU with M/s. Efftronics Systems Pvt. Ltd., Vijayawada, a knowledge driven company with expertise in comprehensive design, development, assembly and testing of microprocessor/micro controller systems for diverse interfaces and applications, to start a course in M. Sc. Electronics and Instrumentation. The curriculum for the course is jointly prepared by the academicians and the industrial experts. Therefore, the teaching/training will be shared among the experienced University faculty and the experts from industry. The course is offered at M/s.Efftronics Systems Pvt.Ltd., training centre at Vijayawada and Krishna University campus, Machilipatnam.

Admission into M. Sc Electronics & Instrumentation course for the Academic Year 2010-11, will be on the basis of the rank obtained in the KUCET to be conducted by the Krishna University.

1. Name of the Course : M. Sc. Electronics & Instrumentation
(Industrial linked programme)
2. Duration : 2 Years
3. Eligibility : A pass in B. Sc with any one of the following subjects: Electronics / Computer Science / Instrumentation. Passed / Appeared in B. Tech (Electronics) B. Tech (Computer Science) B.E (Electronics)/B. E (Computer Science), B.Tech(instrumentation), etc.,
4. Medium of instruction : English
5. No. of Seats : 15 Regular seats (Reservation Rules apply) + 5 (Sponsored Seats)
6. Instructions : (1) This is a full time course. The course will be conducted at Krishna University Campus, and M/s. Efftronics Systems Pvt. Ltd., Vijayawada.
(2) For evaluation, Credit and Gradation system is followed.
7. Course Structure : The course consists of four semesters in total. The first three semesters include Theory, and Practical papers. However, the last semester is exclusively earmarked for project work and Viva - voce.

8. Fee Structure : Fee reimbursement / Scholarships will be as per the A.P. Government Rules.

Year	FEE FOR REGULAR SEAT (inclusive of all fees, except examination fee)	FEE FOR SPONSORED SEAT (inclusive of all fees, except examination fee)
I	26,320/-	46,320/-
II	26,320/-	46,320/-

9. Entrance Exam Pattern:

SYLLABUS FOR THE ENTRANCE TEST

PART A: Solid State Electronics Circuits and Digital Electronics (40 Marks)

PART B: Electronic Devices and Circuits (30 Marks)

PART C: Passive components and Circuit Analysis (20 Marks)

MODEL QUESTION PAPER FOR M. Sc (ELECTRONICS & INSTRUMENTATION)

GENERAL INFORMATION:

1. The test paper consists of 3 parts. Part- A, 40 questions, Part-B, 30 Questions and Part-C, 20 Questions. The student should answer all questions.
2. The candidate has to answer 90 multiple choice questions in 75 minutes. All questions carry equal marks (1 mark each). There is no negative marking. The student should answer all questions.
3. The Test booklet contains questions & answers in English only. The model questions are as follows :

PART-A: SOLID STATE ELECTRONIC CIRCUITS & DIGITAL ELECTRONICS

- **Max Marks: 40.**

1. The sum of products logic equation Output $= (A \cdot !B \cdot C) + (!A \cdot !B \cdot C)$ can be reduced to: [c]

- a) A C b) !A !B c) C !B D) C

PART-B: ELECTRONIC DEVICES & CIRCUITS - MAX MARKS: 30.

1. Which conductor has high mobility of electrons in the form of 10^{18} to 10^{23} ? [b]

- A) Gold B) Silver C) Aluminum D) Copper

PART-C: PASSIVE COMPONENTS AND CIRCUIT ANALYSIS - MAX MARKS: 20.

1. When the elements of an RLC circuit are both magnitude scaled and frequency scaled, which quality is un effected [a]
- A) Resistor
B) Resonant frequency
C) Band width
D) Quality factor

HOW TO APPLY FOR KUCET-2010:

1. Applications can be obtained from the Director, Directorate of Admissions, Krishna University, Machilipatnam on payment of Rs. 275/- either by cash or by a crossed demand draft drawn in favour of The Director, Directorate of Admissions, Krishna University, payable at Bazaar Branch, State Bank of India, Machilipatnam.
2. Candidates who wish to obtain the application by post should apply to The Director, Directorate of Admissions, Krishna University, Machilipatnam – 521001 by enclosing a request letter along with a Demand Draft (DD) for Rs.275/- and a self-addressed envelope (25 x 30 cm) affixing stamp for a Rs. 40/- (by Speed post). Applicant should write his/her name and address on the back side of the DD (Only DD's Drawn from SBI will be accepted)
3. Candidates can also download the application from the University website. Such candidates should have to enclose a DD for Rs. 275/- drawn in favour of The Director, Directorate of Admissions, payable at State Bank of India, Bazaar Branch, Machilipatnam, towards application fee.

SALE OF APPLICATIONS:

1. The Applications are available at **(a) SRR & CVR Government College, Vijayawada**
(b) Krishna University Campus, Machilipatnam.
2. The sale of applications for Krishna University Common Entrance Examination will commence from 10rd April, 2010.
3. The Cost of Application is Rs. 275/-

SUBMISSION OF FILLED-IN APPLICATIONS:

1. Applications forms completed in all aspects should reach The Director, Directorate of Admissions, Machilipatnam either by registered post or in person on or before 5.00 PM on 20.05.2010.
2. Applications received after the last date will be treated as late applications and shall be accepted on payment of a late fee of Rs. 300/- through DD in favour of The Director, Directorate of Admissions, Krishna University till 5.00 PM on 25.05.2010.

3. Applications will also be accepted with a fine of Rs. 500/- enclosed with a DD in favour of The Director, Directorate of Admissions, Krishna University till 5.00 PM on 31.05.2010.
4. INCOMPLETE APPLICATIONS WILL BE SUMMARILY REJECTED.

HALL-TICKETS:

1. Hall-Tickets will be sent to candidates under certificate of posting at least 7 days before the date of commencement of Entrance Test. In case of non-receipt of hall-ticket in time, candidates are advised to contact the Directorate of Admissions at **Tel No. (08672) 225964 or 225963** two days before the test date.
2. **The hall-ticket should be retained carefully as it has to be produced at the time of admission.**
3. Duplicate hall-ticket shall be issued by The Directorate of Admissions or Chief Superintendent of the concerned test centre during the office hours only, one day before the commencement of the Entrance Test, on production of: (i) One attested passport size photograph, (ii) Cash/Demand Draft for Rs.100/- drawn in favour of The Director, Directorate of Admissions, Krishna University, Machilipatnam.

EXAM TEST CENTRES:

The entrance test will be conducted in Krishna University, Machilipatnam. The Directorate of Admissions reserves the right to allot additional test centre at Vijayawada based on the number of applicants for the test.

COMMENCEMENT OF ENTRANCE EXAMINATION

KUCET-2010 will be conducted on 08.06.2010 (**Tentative**).

TEST PROCEDURE:

1. Candidates are advised to come to the examination hall at least half-an hour before the commencement of the Test.
2. Candidates will not be admitted into the examination hall without hall-ticket or after the commencement of the Test. They will not be allowed to leave the examination hall before the stipulated time.
3. Calculators, pagers, cellular phones, books, papers, logarithm tables, slide-rule or any other calculating aids are NOT ALLOWED into the examination hall.

4. The Chief Superintendent of the test centre can take disciplinary action on candidates involved in indiscipline, malpractice, impersonation, etc., and the answer scripts of such candidates will not be valued.

RANK:

1. All candidates appearing for the Entrance Test will be awarded KUCET-2010 test-wise Rank as per marks secured in the test.
2. Rank card will be sent to the candidates under certificate of posting. A duplicate Rank card can be obtained from The Director, Directorate of Admissions, Machilipatnam, on payment of Rs.100/- in cash or by a DD drawn in favour of the The Director, Directorate of Admissions, Krishna University, Machilipatnam, by furnishing a copy of the hall-ticket.

GENERAL REGULATIONS DURING STUDY OF THE COURSE:

1. As per the UGC guidelines, all candidates admitted into both the courses of study are required to put in a minimum of 75% of attendance.
2. Payment of scholarships in respect of eligible students of all categories is conditional on their putting a minimum attendance of 75% in each semester. If the candidate puts in less than 75% of attendance with valid reasons, he/she shall be paid scholarship in proportion to the attendance. Those who absent themselves without valid reasons will not be paid any scholarship.
3. Examinations shall be conducted at the end of each semester. No supplementary examination will be conducted.
4. **RAGGING** in any form by any student will make him/her liable for expulsion/punishment as per A.P. Ragging Act 26 of 1997 and subsequent Supreme Court verdict.
5. Only **limited Hostel accommodation** is available. Hostel admission is subject to the rules in force from time to time.
6. A student's name will be removed from the rolls without any notice if he/she is absent continuously for a period of one month.
7. Students of this University are prohibited from simultaneously pursuing another full time course of study here or elsewhere or taking up an employment or profession.

8. Transfer Certificate (T.C.) and Conduct Certificate (C.C.) once submitted will not be returned.
9. Candidates claiming reservation under S.C., S.T. and B.C. categories are advised to submit the original caste certificate and income certificate. If any information furnished in this regard is found to be incorrect at a later date, the candidate will forfeit the admission and will be liable for prosecution.
10. The University reserves the right to cancel or postpone the admission into any course.

RULE OF RESERVATIONS

Admission to various courses of study will be made on the basis of merit, subject to the following reservations.

- a. **Local Candidates:** 85% of the available seats in each category in both the courses are reserved for the local candidates from the districts of Srikakulam, Vizianagaram, Visakhapatnam, East Godavari, West Godavari, Krishna, Guntur and Prakasam. Candidates claiming reservation under this category shall enclose a local candidate certificate in the appropriate form (**Form given in Annexure-A**).
- b. **Other Category Reservations:**

i) Scheduled Caste (SC)	: 15%
ii) Scheduled Tribes (ST)	: 06%
iii) Backward Communities (BC)	: 25% (A-7%; B-10%; C-1%; D-7%)
iv) Physically Handicapped (PH)	: 03%
v) Sports	: 0.5%
vi) NCC	: 01%
vii) Cap (Children of Armed Personnel)	: 02%
viii) Women	: 33.3% in O.C. and in each of reservation categories

THE RULES OF RESERVATION THAT ARE IN FORCE AT THE TIME OF ADMISSION SHALL BE FOLLOWED

Note:

1. S.C., S.T. and B.C. candidates should submit the caste certificate in original/attested Photostat copy.
2. Physically Handicapped candidates should submit the certificate of their disability issued by the concerned specialist government doctor (Professor's rank)/Medical Board.
3. For claiming admission under N.C.C and Sports quota categories a candidate should submit relevant Certificates.
4. In case of CAP, the certificates issued by the Zilla Sainik Welfare Officer in respect of Ex-service men and service certificate in respect of those in service, will alone be considered.

Sponsored seats are reserved for in service candidates/candidates sponsored by industry / educational / commercial establishments. The candidates seeking admission under sponsored category are required to submit the sponsorship letter/certificate at the time of counseling and pay the entire fee.

Refund of Fee: Fee once paid will not be refunded unless the seat is vacated by the candidate before the closure of admissions and until such vacancy is filled with a suitable candidate. However, special fee, lab fee and admission processing fee will not be refunded. Refund of Fee in respect of payment seats and self finance courses will be made as per the University rules in vogue.

Fee paid in respect of general seats in Krishna University will not be refunded under any circumstances.

Fee concession to candidates will be allowed (subject to conditions of sponsored seats) as per G.O's issued by the Government on submission of original caste and income certificates issued by Mandal Revenue Officer/Tahsildar only. Candidates have to submit the caste and income certificates issued by Mandal Revenue Officer/Tahsildar, failing which no concession will be given at the time of admission. The **income certificate is valid only for one year from the date of issue**. Eligible candidates are entitled for reimbursement of fee as per the G.O's in force at the time of admissions.

No time for production of income certificate at a later date or payment of remaining amount of money will be given. Candidates who belong to other Universities shall pay Rs. 100/- as recognition fee in addition to tuition fee.

- Note:** (1) In case the parents are not alive, a certificate to that effect and income certificate of the Guardian duly certified by Mandal Revenue Officer/Tahsildar should be submitted.
- (2) Fee once remitted will not be refunded under any circumstances and fee is also not transferable. For admission into University, the candidates are advised to pay fee only after their admission is approved by The Director, Directorate of Admissions.
- (3) 5% supernumerary seats in both the courses are available to candidates belonging to Other States. To consider a candidate under **Other States** category, the candidate should have studied in any state other than A.P. and be a native of a place outside A.P.
- (4) 15% supernumerary seats are available for **Foreign Students** in both the courses as per the D.O.No.F.1-30/94 (CPP-11) of UGC subject to their eligibility. Such candidates need not appear for the Entrance Test. Their applications will be considered under separate fee structure applicable to foreign students.

ANNEXURE-A
(Use this form as Original)
LOCAL CANDIDATE CERTIFICATE FORM – I
(To be issued by the Principal of College)

I certify that Sri / Kum
Son / Daughter / Wife of
a candidate for admission to the studying in
the following educational institutions during the four or more consecutive academic years ending
with the academic year in which he / she appeared in the above qualifying examination.

College Name	Educational Qualification	Place	Year
1.			
2.			
3.			
4.			

and thus is a Local candidates in the Krishna University area within the meaning of G.O.Ms. No.453 General Administration (SLF-B) dt. 3rd July, 1974.

Signature:

Place :

Designation:

Date :

(with Office Seal)

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FORM – II

Admissions for Course.

1. It is hereby certified(a) that S/o, D/o

a) Candidate for admission to the course, appeared for the first time for
the examination (belong the minimum qualifying examination for admission
to the course mentioned above) in (Month) (Year)

b) that he /she has not studied in any educational institution during the whole period or a part of
the four consecutive academic years ending with the academic year in which he / she first
appeared for the aforesaid examination.

c) that in the four years immediately preceding the commencement of the aforesaid examination
he / she resided in the following place / places falling within the Local area in respect of
University, namely.

- 1.
- 2.
- 3.
- 4.

2. The above candidate is, therefore, a Local candidate in relation to the Local area specified in
paragraph 3(1) / 3(2) / 3(8) of the Andhra Pradesh Educational Institutions (Regulation of
Admission) order 1974.

Place :

Date :

Office Seal :

Officer of Revenue Department
(Not below the rank Mandal Revenue Officer)

CHECK LIST

- 1) Duly filled in Application form.
2. Copy of the Provisional certificate of the Qualifying examination / Copy of Hall Ticket of the qualifying examination, 2010.
3. Copy of date of birth certificate.
4. Copy of Integrated Community Certificate in case of reserved candidate.
5. Study / Residence certificate in support of claim for Local category.
6. Copies of relevant certificates in support of the claim against PH, NCC, SPORTS, CAP, NSS.
7. Residence Certificate and study proof in case of claim under other States/Foreign category.
8. Acknowledgement card by affixing Rs.6-00 Postal Stamp.

(Filled-in application should be sent in the enclosed cover only)

SCHEDULE OF KUCET-2010

Date of commencement of sale of Applications	: 10-04-2010
Last Date for receipt of filled-in Applications without fine	: 20-05-2010
Last Date for receipt of filled-in Applications with fine (Rs.200/-)	: 25-05-2010
Last Date for receipt of filled-in Applications with fine (Rs.300/-)	: 31-05-2010
Date of Examination (Tentative)	: 08-06-2010