



RAJIV GANDHI UNIVERSITY OF KNOWLEDGE TECHNOLOGIES

(Established through Act No.18 of 2008)

ANDHRA PRADESH, INDIA

(Catering to the Educational Needs of Gifted Rural Youth of Andhra Pradesh)

DETAILED NOTIFICATION
OF
RGUKT CET 2020
COMMON ENTRANCE TEST

FOR ADMISSION INTO

Six year integrated B. Tech Program of

Rajiv Gandhi University of Knowledge Technologies

And

2/3 year Diploma programs of

- A) Acharya N.G. Ranga Agricultural University, (ANGRAU), Guntur,**
- B) Sri Venkateswara Veterinary University, (SVVU) , Tirupathi**
- C) Dr. Y.S.R. Horticultural University (Dr.YSRHU), Venkataramannagudem.**

RGUKT CET-2020

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ABOUT RGUKT

Rajiv Gandhi University of Knowledge Technologies (RGUKT) was established in 2008 through Act 18 of Government of Andhra Pradesh to offer primarily technical education in emerging areas. The motto of the University is to cater to the educational needs of 'gifted rural youth' of Andhra Pradesh. The University is located in four campuses – R.K. Valley, Nuzvid, Ongole and Srikakulam. The intake per year is 1000 in each campus. At present, RGUKT offers six year integrated B.Tech programme with 2 year PUC + 4 year B.Tech.

B.Tech program is offered in the following branches - Chemical Engineering, Civil Engineering, Computer Science and Engineering, Electrical and Electronics Engineering, Electronics and Communications Engineering, Metallurgical and Materials Engineering and Mechanical Engineering. The university is fully residential, and accessible to both boys and girls with 'learning by doing' as predominant learning strategy. Based on parental Income of the student, the Government of Andhra Pradesh provides scholarships to eligible students.

RGUKT CET-2020

I. PROGRAMS/COURSES OFFERED BY RGUKT:

The 6-Year Integrated Engineering course is divided in to the following two stages:

- a) **Pre University Course (2 years):** M.P.C group will be offered with the following courses:
- a. Mathematics
 - b. Physics
 - c. Chemistry
 - d. English
 - e. Telugu / Sanskrit (Sanskrit will be offered for non Telugu students who have not studied second language as Telugu)
 - f. Information Technology
 - g. Biology (Optional)
- b) **B.Tech (4 years):** Following branches will be offered
1. Chemical Engineering
 2. Civil Engineering
 3. Computer Science and Engineering
 4. Electrical and Electronics Engineering
 5. Electronics and Communications Engineering
 6. Metallurgical and Materials Engineering
 7. Mechanical Engineering

Note: *Information about the Common Entrance Test is also available in the website*
www.rgukt.in

Address for Correspondence: **CONVENER, RGUKT CET - 2020
RGUKT NUZVID CAMPUS
NUZVID, KRISHNA DISTRICT
ANDHRA PRADESH - 521202
Email: convener.cet@rgukt.in**

II. Programs/Courses offered by ANGRAU, SVVU, Dr.YSRHU

Diploma programmes offered by Acharya N.G.Ranga Agricultural University (ANGRAU)

S.No	Name of the Diploma	Duration	Medium of Instruction
1	Diploma in Agriculture	2 Years	Telugu
2	Diploma in Seed Technology	2 Years	Telugu
3	Diploma in Organic Farming	2 Years	Telugu
4	Diploma in Agricultural Engineering	3 Years	English

Diploma programmes offered by Sri Venkateswara Veterinary University (SVVU)

S.No	Name of the Diploma	Duration	Medium of Instruction
1	AH Polytechnic	2 Years	Telugu
2	Fishery Polytechnic	2 Years	Telugu
3	Dairy Polytechnic	2 Years	Telugu

Diploma programme offered by Dr.Y.S.R Horticultural University (Dr.YSRHU)

S.No	Name of the Diploma	Duration	Medium of Instruction
1	Diploma in Horticulture	2 Years	Telugu

Note: Information about the Common Entrance Test is also available in the website www.rgukt.in

Address for Correspondence:

**CONVENER, RGUKT CET - 2020
RGUKT NUZVID CAMPUS
NUZVID, KRISHNA DISTRICT
ANDHRA PRADESH - 521202
Email: convener.cet@rgukt.in**

RGUKT CET - 2020

A Common Entrance Test designated as RGUKT-CET 2020 will be conducted by Rajiv Gandhi University of Knowledge Technologies, Andhra Pradesh for the academic year 2020-2021 for admission into six year B.Tech integrated program offered by RGUKT in its four campuses located at Nuzvid, R.K. Valley, Srikakulam and Ongole. Candidates taking RGUKT CET-2020 will also be eligible for admission into 2/3 year Diploma programs in Acharya N.G. Ranga Agricultural University, (ANGRAU), Guntur, Sri Venkateswara Veterinary University, Tirupathi (SVVU) and Dr. Y.S.R. Horticultural University (Dr.YSRHU), Venkataramannagudem.

PARTICULARS OF RGUKT CET – 2020

- ❖ The Test will be conducted on 28-11-2020 from 11.00 A.M. to 01.00 P.M.
- ❖ The Entrance test is conducted as paper based with OMR answer sheet for a duration of two hours and the question paper consists of total 100 questions comprising of 50 questions in Mathematics, 25 questions in Physical Sciences and 25 questions in Biological Sciences with each question carrying one mark.
- ❖ All questions are of objective type (multiple choice) only and each question carries one mark. The syllabus of 10th Class of Board of Secondary Education, AP in Mathematics, Physical Sciences and Biological Sciences is prescribed as given in **page number-8**. The model question paper is available in <http://www.rgukt.in>. There is no negative mark.

III. IMPORTANT DATES:

S.No	Description	Dates
1	Date of Issue of RGUKT-CET, 2020, Notification & Publishing of Information Bulletin	23-10-2020
2	Payment of Fees through Payment Gateway and application submission online	28-10-2020 (from 10:00 AM onwards) to 10-11-2020 (up to 5:00 PM)
3	Last date for Online submission of application	10-11-2020 (up to 5:00 PM)
4	Last date for Online submission of application with a fine of Rs.1,000/-.	15-11-2020 (up to 5:00 PM)
5	Hall Tickets downloading	22-11-2020 (from 10:00 AM)
6	Date of Examination	28-11-2020
7	Initial Key Publishing	28-11-2020
8	Objections on initial key will be received up to	30-11-2020
9	Final Key publishing	01-12-2020
10	Final result declaration	05-12-2020
11	Help Desk Services available during working hours Help line Numbers: 0866-2974530, 2974540 and 08656-235855	10:00 A.M to 05:00 P.M

IV. ONLINE APPLICATION:

Application should be submitted through **online** mode only through **www.rgukt.in**

The following information must be kept ready for filling the details during Online submission:

- a. Hall ticket Number of 10th class
- b. Date of Birth
- c. Caste certificate in case of SC/ST/BC candidates
- d. Aadhar Number
- e. CAP PH, NCC, Sports etc. for students who claim reservation under this category
- f. Income certificate for students who claim scholarship
- g. EWS certificate who claim reservation under this category
- h. White Ration Card/Rice Card
- i. Study certificate 4th Class to 10th Class
- j. Residence certificate by those claiming Local category, (for details, see Annexure – II)

V. APPLICATION FEE:

S.No	Category of Applicant	Application Fee
1	For the candidates belonging to OC (TS & AP)	Rs.300/-
2	For the candidates belonging to BC (TS & AP)	Rs.200/-
3	For the candidates belonging to SC/ST (TS & AP)	Rs.100/-

VI. GUIDELINES FOR FEE PAYMENT:

The candidates should make online fee payment through payment gateway.
(CREDIT CARD / DEBIT CARD / NET BANKING / UPI)

Transaction Fee:

S.No	Particulars	Transaction processing Fee	Aggregation, Reconciliation & MIS Fees	Total Fees
1	Debit Cards			
1.a	Rupay	Nil	0.00%	0.00% of Transaction Value(Charged to Institution)*
1.b	Visa / Mastercard	0.90%	0.00%	0.90% of Transaction value(Charged to Institution)*

2.a	Net Banking Facility Fee(SBI/Axis/ICICI & HDFC Banks)			Rs 18.00/- per transaction(Charged to Applicant)
2.b	Net Banking Facility Fee(All Banks except above)			Rs 15.00/- per transaction(Charged to Applicant)
3	Credit Card Gateway(Domestic)			1.30% of Transaction value(Charged to Applicant)
4.a	UPI	Nil		0.00% of Transaction Value

ONLINE SUBMISSION:

For Online submission, visit the website www.rgukt.in. Candidate has to pay Rs.300/- for OC candidates, Rs.200/- for BC candidates, Rs.100/- for SC / ST candidates as application Fee and late fee (if applicable) through payment gateway through Billdesk by Debit / Credit Card / Net Banking / UPI. After filling the online application form with the required details, the candidate is required to verify all the details carefully and press Submit button. The candidate is required to take printout of filled in online application form for future reference and correspondence.

If any candidate applies more than once, then the latest application will be considered for the selection process.

The Convener, RGUKT CET-2020 reserves the right to reject the application of the candidate at any stage, if:

- ❖ The Online Application Form is incomplete.
- ❖ The candidate fails to satisfy the eligibility criteria.
- ❖ Any false or incorrect information is furnished.
- ❖ The Online Application Form is submitted after the due date.
- ❖ The Convener is not responsible for non-receipt of application by the notified date and time for any reason.

The Convener, RGUKT CET-2020 is not responsible for any false information submitted by the candidate.

VII. HOW TO FILL THE APPLICATION - VIDEO :
http://www.rgukt.in/pdfdoc/RGUKTCET2020_USERGUIDE.pdf

VIII. HOW TO FILL THE OMR SHEET - VIDEO: <https://youtu.be/GfGpTif7XiM>

IX. ELIGIBILITY CRITERIA FOR WRITING RGUKT CET-2020:

1. FOR ADMISSION INTO RGUKT

- a) Candidates should have passed SSC (10th class) in first attempt or any other equivalent examination recognized by the Governments of A.P. State & Telangana State/ CBSE/ICSE conducted in 2020. Age exempted candidates by Board of Secondary Education, AP (if less than 15 years of age) are also eligible.
- b) The candidates should have completed 15 years of age as on 31st December 2020.
- c) Candidates should not have completed 18 years of age as on 31.12.2020.
- d) International students shall be of Indian Nationality / Persons of Indian Origin (PIO)/ Overseas Citizen of India (OCI) Card Holders.
- e) Candidates should belong to the state of Andhra Pradesh / Telangana. The candidates should satisfy Local / Non-Local status requirements as laid down in the Andhra Pradesh / Telangana Educational Institutions (Regulation of Admission) order, 1974 as subsequently amended.

2. For admission into 2/3 year diploma programmes of Acharya N.G. Ranga Agricultural University, (ANGRAU), Guntur, Sri Venkateswara Veterinary University, Tirupathi (SVVU) and Dr. Y.S.R. Horticultural University (Dr.YSRHU), Venkataramannagudem.

- a. Candidates should have passed SSC (10thClass) or any other equivalent examination recognized by the Governments of Andhra Pradesh State and Telangana State.
- b. The candidates should have completed 15 years of age as on 31-8-2020
- c. Candidates should not have completed 22 years of age as on 31-8-2020

X. SYLLABUS:

Mathematics (50 Marks):

Real Numbers, Sets, Polynomials, Pair of Linear Equations in Two Variables, Quadratic Equations, Progressions, Coordinate Geometry, Similar Triangles, Tangents and Secants to a Circle, Mensuration, Trigonometry, Applications of Trigonometry, Probability, Statistics

Physical Sciences (25 Marks):

Heat, Acids, Bases and Salts, Refraction of Light at Plane Surfaces, Refraction of Light at Curved Surfaces, Human Eye and Colourful world, Structure of Atom, Classification of Elements- The Periodic Table, Chemical Bonding, Electric Current, Electromagnetism, Principles of Metallurgy, Carbon and its Compounds.

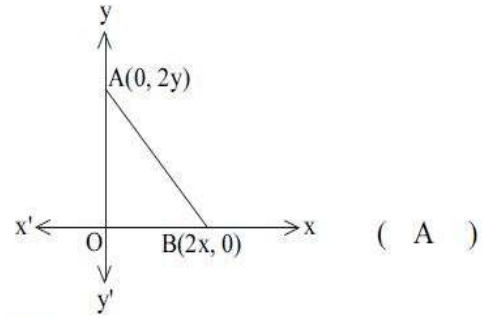
Biological Sciences (25 Marks):

Nutrition - Food Supplying system, Respiration - The energy releasing system, Transportation - The circulatory system, Excretion - The wastage disposing system, Coordination - The linking system, Reproduction - The generating system, Coordination in life processes, Heredity - From parent to progeny, Our environment - Our concern, Natural resources

XI. MODEL QUESTIONS

Mathematics:

1. In the given figure A(0, 2y) and B(2x, 0) are the end points of the line segment AB. The coordinates of point C which is equidistant from the three vertices of ΔOAB are



ప్రక్కనున్న పటంలో AB అనే రేఖాఖండం చివరి

బిందువులు A(0, 2y) మరియు B(2x, 0). అయితే ΔOAB లో త్రిభుజ శీర్షాల నుండి సమాన దూరంలో గల బిందువు C యొక్క నిరూపకాలు

- A) (x, y) B) (y, x) C) $\left(\frac{x}{2}, \frac{y}{2}\right)$ D) $\left(\frac{y}{2}, \frac{x}{2}\right)$

2. The number of cubes having edge 1 cm made from a cube with volume 125 cm^3 are
125 సెం.మీ.³ ఘనపరిమాణం గల ఒక ఘనం నుండి తయారుచేయగల 1 సెం.మీ. అంచుగా గల సమఘనాల సంఖ్య
A) 125 B) 100 C) 50 D) 75 (A)

Physical Sciences:

1. Which of the following is an application of total internal reflection. (C)

- A) Working of Telescope B) Formation of Image in a plane mirror
C) Brilliance of diamond D) Working of periscope

క్రింది వానిలో ఏది సంపూర్ణాంతర పరావర్తనంకు అనువర్తనం

- A) టెలిస్కోప్ పనిచేయటం B) అద్దంలో ప్రతిబింబం ఏర్పడం
C) వజ్రం మెరవటం D) పెరిస్కోప్ పనిచేయటం

2. Epsom salt formula.

(B)

ఎప్పుం లవణ సంకేతం

A) $Al_2O_3 \cdot 2H_2O$

B) $MgSO_4 \cdot 7H_2O$

C) $CaSO_4 \cdot 2H_2O$

D) $KCl/MgCl_2 \cdot 6H_2O$

Biological Sciences:

1. Prothrombin $\xrightarrow{1}$ Thrombin

Fibrinogen $\xrightarrow{2}$ Fibrin

1 and 2 in the above equations are respectively

(B)

A) Thrombin, Thrombokinase

B) Thrombokinase, Thrombin

C) Thromboplastin, Thrombokinase

D) Thrombin, Thrombocynin

ప్రోథ్రాంబిన్ $\xrightarrow{1}$ థ్రాంబిన్

ఫైబ్రినోజెన్ $\xrightarrow{2}$ ఫైబ్రిన్

పై సమీకరణాలలో 1, 2 వరుసగా

A) థ్రాంబిన్, థ్రాంబోక్సినేజ్

B) థ్రాంబోక్సినేజ్, థ్రాంబిన్

C) థ్రాంబోప్లాస్టిన్, థ్రాంబోక్సినేజ్

D) థ్రాంబిన్, థ్రాంబోసయనిన్

2. Identify the dominant traits of pea plant chosen by Mendel for this experiments(A)

i) White flower

ii) green pod

iii) wrinkled seed

iv) axial flower

A) green pod, axial flower

B) white flower, wrinkled pod

C) white flower, green pod

D) green pod, wrinkled seed

మెండల్ తన ప్రయోగాల కొరకు బఠాణి మొక్కలో కనుగొన్న బహిర్గత లక్షణాలు

i) తెలుపు రంగు పువ్వు

ii) ఆకుపచ్చ కాయ

iii) ముడతలు గల విత్తనము

iv) గ్రీవస్థ పువ్వు

A) ఆకుపచ్చ కాయ, గ్రీవస్థ పువ్వు

B) తెల్లని పువ్వు, ముడుతలు గల విత్తనం

C) తెల్లని పువ్వు, ఆకుపచ్చని కాయ

D) ఆకుపచ్చ కాయ, ముడుతలు గల విత్తనం

XII. MEDIUM OF COMMON ENTRANCE TEST:

The question paper will be printed both in "English" and "Telugu".

XIII. MODEL QUESTION PAPER: available in website i.e www.rgukt.in.

XIV. HALL TICKET DOWNLOAD:

The candidate can download the Hall Ticket from website www.rgukt.in from 22-11-2020.

XV. CENTERS FOR COMMON ENTRANCE TEST:

Mandals: Test will be conducted in every Mandal of Andhra Pradesh and in 10 identified centers in Telangana subject to a minimum registration of 100 applicants in each center. In case of less than 100 applicants, next nearest Mandal will be allocated as Test center. Wherever required additional centers will be provided to maintain social distance.

- NOTE:** 1. The Convener reserves the right to add or delete some Test Centers.
2. The Convener reserves the right to allot the candidates to any Test Center other than that opted by the candidates.

Any malpractice in RGUKT CET-2020 will be dealt with as per rules in force vide G.O.Ms. No:114, Edn / (IE) Dt: 13th May 1997 for the CET.

XVI. RGUKT CET-2020 RESULTS

The results will be declared in terms of marks, subject wise (Mathematics, Physical Sciences and Biological Sciences). Candidates can download their marks sheet after announcement of results.

XVII. QUALIFYING MARKS FOR RGUKT CET – 2020

There is no qualifying mark.

XVIII. IMPORTANT INSTRUCTIONS TO CANDIDATES:

1. Hall ticket issued to the candidate is an important document. Candidates are required to preserve it carefully for future reference and correspondence.
2. Hall ticket is not transferable. Any tampering of Hall Ticket will automatically lead to the disqualification of the candidate for writing the examination.
3. Candidates are required to bring the following to the examination center:
 - a) RGUKT CET Hall Ticket,
 - b) A good Ball Point Pen (for bubbling OMR sheet and rough work)
4. Candidates are not allowed to carry any textual material, Calculators, Log Tables, Electronic Watches with facilities of calculator, printed or written material, bits of papers, mobile phone, pager or any other device, except the Hall Ticket, inside the Examination Room/Hall. If any candidate is in possession of any of the above items, his/her candidature will be treated as unfair means and his/her current examination will be cancelled and the equipment will be seized.
5. Please check the Hall ticket carefully for your Name, Date of Birth, Gender, Category, Test Center Name, Date and Time of examination.
6. Candidates are advised to reach the venue at least one hour before the examination.
7. The candidate must show, on demand, the Hall Ticket for admission to the examination room/hall. Candidates who do not possess the Hall Ticket issued by the

Convener, RGUKT CET-2020, shall not be permitted for the examination under any circumstances by the Center Superintendent.

- 8. No candidate, under any circumstances, will be allowed to enter the Examination Center after the commencement of the examination.**
9. A seat indicating Hall Ticket number will be allocated to each candidate. Candidates should occupy their allotted seats only. Any candidate found to have changed room or the seat on his/her own other than allotted, his/her candidature shall be cancelled and no plea would be accepted for it.
10. The candidate should verify that the question paper is available in English and Telugu languages only.
11. Approach the Center Superintendent/Invigilator in the room for any technical assistance, first aid emergency or any other information during the course of examination.
12. No candidate, without the special permission of the Center Superintendent or the Invigilator concerned, will leave his/her seat or Examination Room until the full duration of the Examination. Candidates must follow the instructions strictly as instructed by the Center Superintendent /Invigilators.
13. Candidates need not return this Question paper booklet and can take it after completion of the examination. No candidates should leave the examination hall before the end of the examination.

NOTE: RGUKT will issue separate notification for Admission into 6 year integrated B.Tech programme for the year 2020-21.

CONTACT FOR FURTHER DETAILS:

The CONVENER, RGUKT CET-2020

RGUKT NUZVID CAMPUS

NUZVID, KRISHNA DISTRICT

ANDHRA PRADESH - 521202

Email: convener.cet@rgukt.in

Help Line Numbers: 0866-2974530, 2974540 and 08656-235855.

Timings: 10:00 AM to 5:00 PM in all working days.