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-21

A COMMON ENTRANCE TEST

FOR ADMISSION INTO

Six-year integrated B. Tech Program

For the Academic Year 2021-22 in

Rajiv Gandhi University of Knowledge Technologies

in its four constituent campuses located at

Nuzvid, R.K Valley, Ongole and Srikakulam

RGUKT CET–21

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.

At present, RGUKT offers six year integrated B.Tech programme with 2 year PUC plus 4 year B.Tech, which is offered in the following seven 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 the predominant learning strategy. Based on parental Income of the student, the Government of Andhra Pradesh provides scholarships to eligible students.

RGUKT CET–21

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):** 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

b) **B.Tech (4 years):** Following branches will be offered

    1. Chemical Engineering (Nuzvid and R.K Valley)
    2. Civil Engineering
    3. Computer Science and Engineering
    4. Electrical and Electronics Engineering
    5. Electronics and Communications Engineering
    6. Metallurgical and Materials Engineering (Nuzvid and R.K Valley)
    7. Mechanical Engineering

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

Address for Correspondence:　　**CONVENER, RGUKT CET – 2021**
RGUKT NUZVID CAMPUS
NUZVID, KRISHNA DISTRICT
ANDHRA PRADESH – 521202
Email: convener.cet@rgukt.in
Phone Number: 08656- 235855
(10 am to 5 pm on working days)

RGUKT CET - 21

A Common Entrance Test designated as RGUKT CET-21 will be conducted by Rajiv Gandhi University of Knowledge Technologies, Andhra Pradesh for the academic year 2021-2022 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.

PARTICULARS OF RGUKT CET –21

- ❖ The Test will be conducted on 26-09-2021 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 a total 100 questions comprising of 40 questions in Mathematics, 40 questions in Physical Sciences and 20 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 at **http://www.rgukt.in**. Model questions are given in pages 9-10.There is no negative mark.

II.   IMPORTANT DATES:

S.No	Description	Dates
1	Date of Issue of RGUKT-CET, 2021 Notification & Publishing of Information Bulletin	18-08-2021
2	Payment of Fees through Payment Gateway and application submission online	20-08-2021 (from 10:00 AM onwards) to 06-09-2021(up to 5:00 PM)
3	Last date for submission of application Online	06-09-2021 (up to 5:00 PM)
4	Last date for Online submission of application with a fine of Rs.1,000/-.	07-09-2021 to 11-09-2021 (up to 5:00 PM)
5	Downloading of Hall Tickets	18-09-2021 (from 10:00 AM)
6	Date of Examination	26-09-2021 (from 11:00 AM to 1:00 PM)
7	Initial Key Publication	26-09-2021
8	Objections on initial key will be received up to	30-09-2021 (up to 5:00 PM)
9	Final Key publication	02-10-2021
10	Final result declaration	04-10-2021
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

III. ONLINE APPLICATION:

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

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

a. Hall ticket Number/Roll 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)

IV. APPLICATION FEE:

S.No	Category of Applicant	Application Fee
1	For the candidates belonging to OC (TS & AP)	Rs400/-
2	For the candidates belonging to BC (TS & AP)	Rs.250/-
3	For the candidates belonging to SC/ST (TS & AP)	Rs.150/-

V. 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	Fee
1	Debit Cards	
1.a	Rupay	Nil
1.b	Visa / Mastercard	0.45% 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	UPI	Nil

ONLINE SUBMISSION:

For Online submission, visit the website **www.rgukt.in.** Candidate has to pay Rs.400/- for OC candidates, Rs.250/- for BC candidates, Rs.150/- for SC / ST candidates as application Fee and late fee, Rs 1000/- (if applicable) through payment gateway of Billdesk by Debit / Credit Card / Net Banking / UPI. After filling the online application form with the required details, the candidate has 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 any correspondence.

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

The Convener, RGUKT CET–2021 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-2021 is also not responsible for any false information submitted by the candidate.

VI. ELIGIBILITY CRITERIA FOR WRITING RGUKT CET-21:

1. FOR ADMISSION INTO RGUKT

a) Candidates should have passed **in First attempt** SSC (10th class) or any other equivalent examination recognized by the Governments of A.P. State & Telangana State/ CBSE/ICSE conducted in 2021.

b) The candidates should have completed 15 years of age as on 31st December 2021. Age exempted candidates by Board of Secondary Education, AP (if less than 15 years of age) are also eligible provided they have passed the examination in first attempt.

c) Candidates should not have completed 18 years of age as on 31st December 2021.

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.

VII. SYLLABUS:

Mathematics (40 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 (40 Marks):

Heat, Acids, Bases and Salts, Refraction of Light at Plane Surfaces, Refraction of Light at Curved Surfaces, Human Eye and Colorful world, Structure of Atom, Classification of Elements- The Periodic Table, Chemical Bonding, Electric Current, Electromagnetism, Principles of Metallurgy, Carbon and its Compounds.
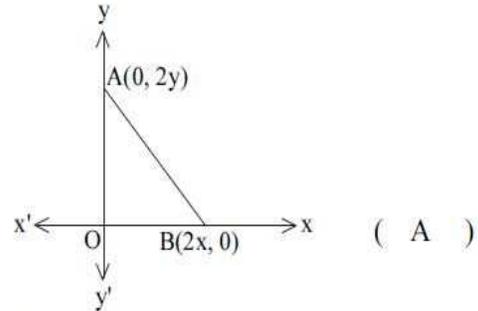
Biological Sciences (20 Marks):

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

VIII. 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)

   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 పరావర్తనకు అనువర్తనం

   A) టెలిస్కోప్ పనిచేయటం B) అద్దంలో ప్రతిబింబం ఏర్పడం

   C) వజ్రం మెరవటం D) పెరిస్కోప్ పనిచేయటం

2. Epsom salt formula. (B)

   ఎప్సం లవణ సంకేతం

   A) $Al_2O_3\ 2H_2O$

   B) $MgSO_4\ 7H_2O$

   C) $CaSO_4\ 2H_2O$

   D) $KCl\ MgCl_2\ 6H_2O$

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

   ఫైబ్రినోజన్ $\xrightarrow{2}$ ఫైబ్రిన్

   పై సమీకరణాలలో 1, 2 వరుసగా

   A) థ్రాంబిన్, థ్రాంబోకైనేజ్ B) థ్రాంబోకైనేజ్, థ్రాంబిన్

   C) థ్రాంబోప్లాస్టిన్, థ్రాంబోకైనేజ్ 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 పుష్పం ii) ఆకుపచ్చ కాయ

   iii) ముడతలు గల విత్తనము iv) గ్రీవస్థ పుష్పం

   A) ఆకుపచ్చ కాయ, గ్రీవస్థ పుష్పం B) తెల్లని పువ్వు, ముడుతలు గల విత్తనం

   C) తెల్లని పుష్పం, ఆకుపచ్చని కాయ D) ఆకుపచ్చ కాయ, ముడుతలు గల విత్తనం

IX. MEDIUM OF COMMON ENTRANCE TEST:

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

X. MODEL QUESTION PAPER: available at **www.rgukt.in**.

XI. HALL TICKET DOWNLOAD:

The candidate can download the Hall Ticket from website **www.rgukt.in from 18-09-2021.**

XII. CENTERS FOR COMMON ENTRANCE TEST:

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 any 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-2021 will be dealt with as per rules in force vide G.O.Ms. No:114, Edn / (IE) Dt: 13th May 1997 for the CET.

XIII. RGUKT CET-2021 RESULTS

The results will be declared in terms of Grade by subject and Grade Point Average (GPA), averaging for the three subjects following the rules of Board of Secondary Education, Andhra Pradesh. Candidates can download their Grade Memo after announcement of results.

XIV. QUALIFYING GRADE FOR RGUKT CET – 2021

There is no qualifying Grade.

XV. 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 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 under unfair means and his/her test will be cancelled. The equipment found with the candidate 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-2021, 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 test 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 the 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.

CONTACT FOR FURTHER DETAILS:

The CONVENER, RGUKT CET-2021
RGUKT NUZVID CAMPUS
NUZVID, KRISHNA DISTRICT
ANDHRA PRADESH – 521202
Email: convener.cet@rgukt.in
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