AP ENGINEERING COMMON ENTRANCE TEST FOR DIPLOMA HOLDERS AND B.Sc. GRADUATES (with Mathematics as one of the optional subjects) -2023

APECET-2023

(Being conducted on behalf of APSCHE)

INSTRUCTION BOOKLET

CONVENER, APECET-2023

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADAKAKINADA-

533003

IMPORTANT DATES

Date and Time of Examination: 05.05.2023 (Friday) from 09.00 am to 12.00 pmand 03.00 pm to 06.00 pm

Sl.No	Particulars	Date and Day
1.	First Meeting of APECET - 2023 Committee	14.02.2023 (Tuesday)
2.	Date of Notification in the News Papers	08.03.2023 (Wednesday)
3.	Commencement of submission of online Applications	10.03.2023(Friday)
4.	Last date for submission of online Applications without late fee	10.04.2023(Monday)
5.	Last date for submission of online Applications with late fee (Rs.500/-)	15.04.2023 (Saturday)
6	Last date for submission of online Applications with late fee (Rs.2000/-)	19.04.2023(Wednesday)
7	Correction of online application data already submitted by the candidate	20-04-2023 (Thursday) to 22-04-2023(Saturday)
8.	Last date for submission of online Applications with late fee (Rs.5000/-)	24.04.2023(Monday)
9.	Downloading Hall Tickets from website	28.04.2023 (Friday)
10.	**Examination Date**	**05.05.2023 (Friday)**
11.	Release of Preliminary Key	09.05.2023 (Tuesday)
12.	Last date for receiving Objections on Preliminary Key	11.05.2023 (Thursday)
13.	Second CET committee meeting & declaration of results	xx – xx - xxxx
14	Downloading of Rank Cards from web site	xx-xx-xxxx

1.0 GENERAL

A Common Entrance Test designated in full as Andhra Pradesh Engineering Common Entrance Test for Diploma Holders and for B.Sc.(with Mathematics as one of the optional subjects) Degree Holders and in short as APECET 2023 will be conducted by JNT University Kakinada on behalf of the Andhra Pradesh State Council of Higher Education for the academic year 2023-2023 in accordance with G.O.Ms.No:24 Education (EC) Department dated:18.03.2004, G.O.Ms.No:25, dated:28.06.2006 and G.O.Ms.No:19, dated: 02.02.2008 For Diploma Holders and G.O.Ms.No.57(EC2) dated:12.05.2008 & G.O.Ms.No58(EC2) dated:12.05.2008 for B.Sc.(with Mathematics as one of the optional subjects) degree holders.

(i) For lateral admission into 2nd year regular B.E. and B.Tech. Courses in University engineering colleges to the extent of 10% of over and above sanctioned intake and in All India Council for Technical Education approved Un-Aided Private Professional institutions (Minority & non-Minority) to the extent of 10% of over and above sanctioned intake for Diploma holders and B.Sc degree holders for the academic year 2023-2023

(ii) For lateral admission into 2nd year regular B.Pharmacy Courses as approved by Pharmacy Council of India in university colleges to the extent of 10% of over and above sanctioned intake and in Un-Aided Private Professional institutions (Minority & non-Minority) to the extent of 10% of over and above sanctioned intake for the seats specifically earmarked for Diploma holders for the academic year 2023-2023.The candidates with B.Sc. degree are not eligible for admission into pharmacy course.

2.0 ELIGIBILITY FOR WRITING THE TEST

The Candidates satisfying the following requirements shall be eligible to appear for ECET:

(i)   They should be of Indian Nationality.

(ii)   They should belong to the State of Andhra Pradesh. The candidates should satisfy local/non-local status requirements as laid down in the Andhra Pradesh Educational Institutions (Regulation of Admission) Order, 1974 as subsequently amended.

(iii)   They should have obtained a Diploma in Engineering and Technology/ Pharmacy from the State Board of Technical Education of Andhra Pradesh State or any other Diploma from an AICTE approved institution recognized by the Government of Andhra Pradesh as equivalent thereto for admission into the relevant B.E./ B.Tech./ B.Pharmacy courses into the Courses corresponding to the Diplomas as given in the following Annexure.

(OR)

They should have passed the 3-year B.Sc Degree examination with Mathematics as one of the subjects in the group combination from a recognized University in the state or its equivalent for entry into relevant courses as given in the following Annexure.

(iv)   Candidates who are pursuing a Diploma course shall be eligible for entry into the relevant B.E./B.Tech./ B. Pharmacy courses provided they have completed the prescribed course and passed all the subjects for the award of diploma course before admission into the college.

(v)   Candidates should have passed Diploma in Engineering and Technology/ Pharmacy/ B.Sc Degree as the case may be with at least 45% marks (40% in case of candidates belonging to reserved category) for entry into relevant courses.

3.0 ELIGIBILITY FOR LATERAL ENTRY ADMISSION INTO B.E./ B.Tech./ B.Pharm. :

Candidates should have appeared and qualified at the APECET-2023. Mere appearance at the Entrance Test does not automatically entitle a candidate to be considered for entry into any course unless the candidate satisfies the requirement of eligibility and other criteria laid down in the rules of admission.

Admission to 85% of the seats in each course shall be reserved for the local candidates and the remaining 15% of the seats shall be un-reserved seats as specified in the Andhra Pradesh Educational Institutions (Regulations and Admissions) Order, 1974 as subsequently amended.

While filling up the lateral entry seats based on the APECET-2023 ranks, B.Sc. (with Mathematics as one of the optional subjects) stream students will be considered for admission only after exhausting all the qualified diploma holders.

3.1. EXPLANATION OF LOCAL AND NON-LOCAL CANDIDATES:

The Local Candidate means:

(A) A candidate for admission shall be regarded as a local candidate in relation to a Local Area:

    (a) If he/she has studied in educational Institution or educational Institutions in such local area for a period of not less than four consecutive academic years ending with the academic year in which he/she appeared or as the case may be, first appeared in the relevant qualifying examination, **(or)**

    (b) Where, during the whole or any part of the four consecutive academic years ending with the academic year in which he/she appeared or, as the case may be, first appeared for the relevant qualifying examination, he/she has not studied in any educational Institutions, if he/she has resided in that local area for a period of not less than four years immediately preceding the date of commencement of the relevant qualifying examination in which he/she appeared or, as the case may be, first appeared.

(B) A Candidate for admission to the Course who is not regarded as local candidate under clause (A) in relation to any local area shall be declared local to an area based on following criteria:

    (a) If he has studied in educational Institutions in the State for a period of not less than seven consecutive academic years ending with the academic year in which he/she appeared or, as the case may be, first appeared for the relevant qualifying examination be regarded as a local candidate in relation to:

        (i) Such local area where he/she has studied for the maximum period out of said period of seven years, **(Or)**

        (ii) Where the period of his/her study in two or more local areas are equal, such local area, where he/she has studied last in such equal period, or If, during the whole or any part of seven consecutive academic years ending with the academic year in which he/she appeared or, as the case may be, first appeared for the relevant qualifying examination, if he/she has not studied in the educational Institutions in any local area, but has resided in the State during the whole of the said period of seven years, be regarded as a local candidate in relation to,-

        (i) Such local area where he/she has resided for the maximum period out of the said period of seven years, or

        (ii) Where the periods of his/her residence in two or more local areas are equal, such local area where he/she has resided last in such equal periods.

LOCAL STATUS OF STUDENTS MIGRATED FROM TELANGANA TO ANDHRA PRADESH

In terms of G.O.Ms.No.171, General Administration (SPF & MC) Department dated 20-11-2017,

"A candidate who migrates to any part of the State of Andhra Pradesh from the State of Telangana within a period of FIVE years from the 2nd day of June, 2014 shall be regarded as the local candidate in the State of Andhra Pradesh at the place of his residence and be treated at par with the local candidates residing in that area, in accordance with such guidelines as may be issued by the Government of Andhra Pradesh for the purpose of education."

The candidate, who intends to apply for admission into Educational Institutions / Employment as stated above, shall make an application in Form-I online to the Tahsildar concerned, on or before 1s August, 2023, through Mee-Seva portal. Basing on the documents furnished, the Tahsildar shall issue the local status certificate in Form-III.

For details refer the document in Home Page.

(C) The following categories of candidates are eligible to apply for admission to the remaining 15% of un-reserved seats:

(a) All the candidates eligible to be declared as local candidates.

(b) Candidates who have resided in the State for a total period of 10 years excluding periods of study outside the State or either of whose parents have resided in the State for a total period of ten years excluding period of employment outside the State.

(c) Candidates who are children of parents who are in the employment of this State or Central Government, Public Sector Corporations, Local Bodies, Universities and other similar quasi-public Institutions, within the State.

(d) Candidates who are spouses of those in the employment of the State or Central Government, Public Sector Corporations, Local Bodies, Universities and Educational Institutions recognized by the Government or University OR other competent authority and similar quasi–Government Institutions within the State.

4.0 PATTERN OF EXAMINATION

The examination will be for 200 Marks with 200 Objective type questions and the distribution of marks for each stream will be as follows:

ENGINEERING STREAM:

Subject	Max.Marks	Remarks
Mathematics	50	Common to all branches
Physics	25	Common to all branches
Chemistry	25	Common to all branches
Engineering (Civil/Electrical/Mechanical/ Electronics & Communications/Computer Science/ Chemical/Metallurgical/Mining/Electronics & Instrumentation/ Ceramic Technology/ Bio technology/Agricultural Engineering as the case may be)	100	Separate Question Paper for Each branch of engineering

PHARMACY STREAM:

Subject	Max.Marks
Pharmaceutics	50
Pharmaceutical Chemistry	50
Pharmacognosy	50
Pharmacology	50

B.Sc.(with Mathematics as one of the optional subjects) STREAM:

Subject	Max.Marks
Mathematics	100
Analytical Ability	50
Communicative English	50

5.0 QUALIFYING MARKS IN APECET -2023

The qualifying percentage marks for obtaining a rank in APECET -2023 is 25% of the aggregate marks in the four subjects (three subjects for B.Sc. Mathematics) i.e., 50 marks out of a total of 200. However, in the case of SC/ST candidates, there shall be no minimum qualifying marks for ranking the candidates.

The rank obtained with the benefit of relaxation of the minimum qualifying marks at the APECET [FDH & B.Sc.(with Mathematics as one of the optional subjects)]-2023 by any candidate claiming to belong to SC/ST category will be cancelled in case the claim is found to be invalid at the time of admission.

6.0 EVALUATION AND RANKING IN APECET [FDH & B.SC. (WITH MATHEMATICS AS ONE OF THE OPTIONAL SUBJECTS)]-2023

a) The student will be ranked (Integrated Merit Rank) based on the marks obtained by him/her in the APECET [FDH & B.Sc. (with Mathematics as one of the optional subjects)]-2023 Examination.

b) Every care will be taken to avoid errors in valuation, checking, scrutiny, tabulation and ranking. **Hence request for re-totaling and revaluation will in no case be entertained.** Candidates will be ranked in the order of merit in APECET 2023, separately in each branch of Engineering Course

c) As per Government Order, all Diploma holders in any branch of Engineering/Technology, who qualify in APECET [FDH & B.Sc. (with Mathematics as one of the optional subjects)]-2023 are eligible for admission into B.Tech. in Information Technology and B.Tech in Computer Science and Engineering branches. The Integrated Merit Rank is taken into consideration for admission into B.Tech in Information Technology and B.Tech in Computer Science and Engineering branches. The Integrated Merit Rank is based on the total marks obtained in APECET [FDH] & B.Sc. (with Mathematics as one of the optional subjects)-2023 by candidates with Diploma in any branch of Engineering/Technology.

d) **Resolving Tie in Engineering Stream:** In case of a tie in aggregate, the marks obtained in Engineering subject, and in case of further tie the marks obtained in the mathematics subject and if the tie still continues, the marks obtained in physics subject will be taken into account to decide the relative ranking. In case of candidates getting equal marks in each of the four subjects, they will be bracketed for the purpose of award of rank. Age of the candidate will be considered at the time of admission for resolving the tie, the older candidate being given preference.

e) **Resolving Tie in Pharmacy Stream:** In case of tie, the students who get the same aggregate marks are given same rank and at the time of admission, age will be taken into consideration; the older candidate will be given priority.

f) **Resolving Tie in B.Sc. (with Mathematics as one of the optional subjects) Stream :** Candidates will be ranked based on the marks obtained in the entrance examination. In case of a tie in aggregate, the marks obtained in Mathematics subject and in case of further tie the students who get the same aggregate marks are given same rank and at the time of admission, age will be taken into consideration; the older candidate will be given priority.

7.0 SUBMISSION OF ONILE APPLICATION

1. For registration and submission of online application the aspiring candidates have to visit the web site https://cets.apsche.ap.gov.in/ECET.

2. All the details required such as qualifying examination (diploma or degree as the case may be) hall ticket number, SSC or 10th class hall ticket number, places of study from 6th class onwards, caste category- Mee seva Certificate number, Income certificate- Mee seva certificate number, good quality passport size photograph in .jpg or .jpeg format of less than 50Kb size, scanned image of Signature affixed with a black pen on a white paper in .jpg or .jpeg format of less than 30Kb size, Ration card of the family, Aadhar card of self in the application form shall be entered in the specified fields.

3. The Aadhar Card number of the candidate is mandatory.

4. The payment of the registration fee can be done online through AP Online services or Payment Gateway provided (through Credit Card/Debit Card/ Net banking). Rs.600/- for OC students, 550/- for BC students and 500/- for SC/ST students.

8.0. ELIGIBILITY FOR WRITING VARIOUS APECET - 2023 PAPERS

The following is the table with the list of courses which are eligible to write the ECET -2023 examination subject paper as per the C-20 curriculum.

ELIGIBILITY DIPLOMA COURSES FOR WRITING VARIOUS APECET – 2023 PAPERS

ELIGIBLE DIPLOMA BRANCHES FOR VARIOUS APECET	
ECET ENGINEERING SUBJECT PAPER	**ELIGIBLE DIPLOMA COURSES**
AGRICULTURAL ENGINEERING	**AGE** (AGRICULTURAL ENGINEERING)
CERAMIC TECHNOLOGY	**CER** (CERAMIC TECHNOLOGY)
CHEMICAL ENGINEERING	**CHE** (CHEMICAL ENGINEERING), **CH(OT)** (CHEMICAL ENGINEERING), **CH(PC)** (CHEMICAL(PETROCHEMICAL), **CH(PP)** (CHEMICAL (PLASTICS & POLYMERS), **ST** (CHEMICAL ENGINEERING (SUGAR TECHNOLOGY)), **PET** (PETROLEUM TECHNOLOGY)
CIVIL ENGINEERING	**C** (CIVIL ENGINEERING)
COMPUTER SCIENCE AND ENGINEERING	**AIM** (ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING), **AME** (ANIMATION AND MULTIMEDIA) , **CAIE** (COMPUTER SCIENCE ENGINEERING-ARTIFICIAL INTELLIGENCE), **DAGE** (3D ANIMATION AND GRAPHICS ENGINEERING), **DCBDE** (CLOUD COMPUTING AND BIG DATA ENGINEERING), **WEB DESIGNING** (WEB DESIGNING), **DCCN** (COMMUNICATIONS AND COMPUTER NETWORKING), **CME** (COMPUTER ENGINEERING)
ELECTRONICS AND COMMUNICATION ENGINEERING	**EC** (ELECTRONICS AND COMMUNICATION ENGINEERING), **BM** (BIOMEDICAL ENGINEERING)
ELECTRICAL AND ELECTRONICS ENGINEERING	**EE** (ELECTRICAL AND ELECTRONICS ENGINEERING)

ELECTRONICS AND INSTRUMENTATION ENGINEERING	AEI (APPLIED ELECTRONICS AND INSTRUMENTATION)
MECHANICAL ENGINEERING	**M** (MECHANICAL ENGINEERING) **A** (AUTOMOBILE ENGINEERING)
METALLURGICAL ENGINEERING	**MET** (METALLURGICAL ENGINEERING)
MINING ENGINEERING	**MNG** (MINING ENGINEERING)
PHARMACY	**ER20** (PHARMACY)
B.SC	**B.Sc.** WITH MATHEMATICS AS ONE OF THE OPTIONAL SUBJECTS

The following is the table with the list of courses which are also eligible to write the respective ECET-2023 examination subject paper.

 Note: The below course students has to write the ECET-2023 exam as per the modified syllabus given in the web site.

ELIGIBILITY COURSES CONSIDERED IN APECET - 2022 EXAM. AND ALSO, ELIGIBLE TO WRITE ECET-2023 EXAMINATION.

ELIGIBLE DIPLOMA BRANCHES FOR VARIOUS APECET	
ECET ENGINEERING SUBJECT PAPER	**ELIGIBLE DIPLOMA COURSES**
CERAMIC TECHNOLOGY	CERAMIC TECHNOLOGY
CHEMICAL ENGINEERING	CERAMIC, LEATHER, CHEMICAL ENGINEERING, CHEMICAL-PETROCHEMICAL, CHEMICAL-PLASTICS & POLYMERS, CHEMICAL-OIL TECHNOLOGY, CHEMICAL-SUGAR TECHNOLOGY, PETROLEUM TECHNOLOGY, PETROCHEMICAL TECHNOLOGY
CIVIL ENGINEERING	CIVIL, CIVIL-CONSTRUCTION TECHNOLOGY
COMPUTER SCIENCE AND ENGINEERING	COMPUTER ENGINEERING, ELECTRONICS AND COMPUTER, SPECIAL DIPLOMA IN ELECTRONICS WITH COMPUTER, INFORMATION TECHNOLOGY
ELECTRONICS AND COMMUNICATION ENGINEERING	ELECTRONICS AND COMMUNICATION ENGINEERING, SPECIAL DIPLOMA IN ELECTRONICS-BIOMEDICAL, TV AND SOUND, INDUSTRIAL ELECTRONICS, COMMUNICATION ENGG, EMBEDDED SYSTEMS, APPLIED ELECTRONICS AND INSTRUMENTATION, ELECTRONICS AND INSTRUMENTATION, ELECTRONICS AND TELEMATICS
ELECTRICAL AND ELECTRONICS ENGINEERING	ELECTRICAL AND ELECTRONICS ENGINEERING
ELECTRONICS AND INSTRUMENTATION ENGINEERING	ELECTRONICS AND INSTRUMENTATION, SPECIAL DIPLOMA IN ELECTRONICS-INDUSTRIAL ELECTRONICS, APPLIED ELECTRONICS AND INSTRUMENTATION

MECHANICAL ENGINEERING	AUTOMOBILE ENGINEERING, FOOT WEAR TECHNOLOGY, INDUSTRIAL ENGINEERING, INDUSTRIAL PRODUCTION ENGINEERING, JEWELLARY DESIGN AND MANUFACTURING, MECHANICAL ENGINEERING, MECHANICAL ENGINEERING (SANDWICH), PACKAGING TECHNOLOGY, PRINTING TECHNOLOGY, AERONAUTICAL ENGINEERING, REFREGRATION AND AIR CONDITIONING
METALLURGICAL ENGINEERING	METALLURGICAL ENGINEERING
MINING ENGINEERING	MINING ENGINEERING, INDUSTRIAL ENGINEERING, MECHANICAL ENGINEERING, INDUSTRIAL PRODUCTION ENGINEERING
PHARMACY	PHARMACY
B.SC	B.Sc. WITH MATHEMATICS AS ONE OF THE OPTIONAL SUBJECTS

9.0 ORDER OF PREFERENCE WHILE GIVING ADMISSIONS

The following order of preference shall be observed in considering Diploma Holders for admission into various courses:

(1) For admission into Degree programme in Information Technology and Computer Science and Engineering, first preference will be given to candidates who have obtained the Diploma in Information Technology and Computer Science and Engineering respectively. Any seats still vacant shall be filled with candidates who have obtained their Diploma in any branch of Engineering / Technology on the basis of their integrated merit ranking.

(2) Diploma Holders of Special Diploma course in Industrial Electronics & Instrumentation Engineering / Diploma Holders in Electronics & Instrumentation Engineering have to appear for APECET[FDH] Examination in Electronics & Instrumentation Engineering only (EIE) for admission into Instrumentation Engineering (IE) / Electronics & Instrumentation Engineering (EIE) / Applied Electronics & Instrumentation Engineering / Instrumentation Control Engineering courses.

(3) The qualified candidates from B.Sc. degree holders will be considered for admission only after exhausting all branches of Diploma holders vide GO.Ms. No. 49.

10.0 TEST CENTRES FOR APECET-2023

APECET 2023 TEST CENTRES ARE AVAILABLE IN WEB APPLICATION.TEST CENTRE ALLOCATION WILL BE MADE ON FIRST COME FIRST SERVED BASIS.NO GAURANTEE CAN BE GIVEN THAT THE APPLICANT WILL BE ALLOTTED HIS CHOICE.

11.0 GENERAL INSTRUCTIONS TO THE STUDENTS

1. All the candidates shall take utmost care while submitting the online application.
2. The APECET 2023 will be conducted online only and the candidates willing to appear are requested to get acquainted with the online Examination Process through practicing mock tests.
3. All the photographs submitted with the application must be exactly identical. Otherwise, HallTickets will not be issued. Such applications will be summarily rejected.
4. Candidates are not admitted to the examination hall after 9.00 A.M. and not permitted to leave the Examination Hall before 12.00 P.M in the Morning Session.
5. Candidates are not admitted to the examination hall after 3.00 P.M. and not permitted to leave the Examination Hall before 6.00 P.M in the afternoon Session.
6. It is the responsibility of the candidates to ensure that they are answering the correct QuestionPaper of the branch for which they are eligible for admission (For Diploma Holders only).

7. Question paper will be in English only.

8. Any malpractice case will be dealt with as per rules of CETs in force.

9. The Online Answer Script images of APECET -2023 will be preserved for six months from the date of publication of results after which time they shall be disposed.

10. In any litigation concerning APECET [FDH & B.Sc.(with Mathematics as one of the optional subjects)]-2023 ,the parties to be impleaded are Secretary, A.P. State Council of Higher Education, Vijayawada and Convener, APECET [FDH & B.Sc.(with Mathematics as one of the optional subjects)]-2023. If the litigation is concerned with any issue related to Admissions based on APECET 2023, the parties to be impleaded are Secretary, A.P. State Council of Higher Education, Vijayawada and Convener (Admissions), APSCHE, APECET 2023.

11. Any litigation concerning APECET [FDH & B.Sc.(with Mathematics as one of the optional Subjects)]-2023 shall be within the jurisdiction of the High Court of A.P., Amaravati only.

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