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AMRITA ENTRANCE EXAMINATION-ENGINEERING 2017
(For Admission to B.Tech Programmes)

HANDBOOK

1.0   AMRITA VISHWA VIDYAPEETHAM

Amrita Vishwa Vidyapeetham is a University established under section 3 of the UGC Act 1956. Amrita University was established by the renowned humanitarian leader, **Sri Mata Amritanandamayi Devi**, who is also the Chancellor of the University. She is also affectionately known as "**Amma,**" who has dedicated her life for the upliftment of humanity through selfless service. The University is managed by a registered public charitable trust, the "**Mata Amritanandamayi Math**," which has been recognized by the **United Nations** for its multifarious social, cultural, education, disaster relief, healthcare activities all over the world.

Amrita University has the mission "*to provide value-based education and mould the character of the younger generation through a system of wholesome learning, so that their earnest endeavour to achieve progress and prosperity in life is matched by an ardent desire to extend selfless service to society, one complementing the other.*"

1.1   Campuses

The University is spread across the following five campuses in three states of India: Kerala, Tamil Nadu and Karnataka, with the University headquarters at Ettimadai, Coimbatore, Tamil Nadu.

They are:

Kerala   :   Amritapuri (Kollam) and Kochi
Tamil Nadu :   Coimbatore
Karnataka   :   Bengaluru and Mysuru

A new campus for School of Engineering is proposed at Vengal, Chennai, Tamil Nadu.

1.2   Constituent Schools and Programmes

Amrita University is a multi-campus, multi-disciplinary research University. The University offers over 200 undergraduate, postgraduate and doctoral programmes in Engineering, Business, Arts & Sciences, Biotechnology, Medicine, Dentistry, Pharmacy, Nursing, and Ayurveda. The following are the constituent Schools of the university:

1.   **Amrita School of Engineering, Coimbatore**
2.   Amrita School of Business, Coimbatore
3.   Amrita School of Ayurveda, Amritapuri
4.   Amrita School of Arts and Sciences, Amritapuri
5.   **Amrita School of Engineering, Amritapuri**
6.   Amrita School of Biotechnology, Amritapuri
7.   Amrita School of Arts and Sciences, Kochi
8.   Amrita School of Medicine, Kochi
9.   Amrita College of Nursing, Kochi
10. Amrita School of Dentistry, Kochi
11. Amrita School of Pharmacy, Kochi
12. **Amrita School of Engineering, Bengaluru**
13. Amrita School of Arts and Sciences, Mysuru
14. Amrita School of Education, Mysuru

Amrita University is conducting Entrance Examination every year on an all India basis for admission to the 4 year B.Tech Programmes offered in the Amrita Schools of Engineering under the University. This examination is referred to as "Amrita Entrance Examination-Engineering," in short as AEEE.

This handbook contains general information and rules relating to AEEE2017 and other relevant details like mode of entrance examination, examination centres, syllabus, conduct of examination, etc.

In addition to the schools, University departments and Research Centres offer UG, PG and PhD programmes in Mass Communication, Business Management, Social work, Nanosciences, etc.

1.3 List of Research Centres under the University

1. Amritadarshanam, International Center for Spirtual Studies, Amritapuri

2. Amrita Centre for E-Learning Technologies, Amritapuri

3. Amrita Centre for Research in Advanced Technologies for Education (CREATE), Amritapuri

4. AMMACHI Labs-Amrita Multi Modal Applications Using Computer & Human Interaction, Amritapuri

5. Amrita Centre for Wireless Networks & Applications (AmritaWNA), Amritapuri

6. Amrita Centre for Cyber Security Systems and Network, Amritapuri

7. Amrita Centre for Nanosciences and Molecular Medicine, Kochi

8. TIFAC CORE in Cyber Security, Coimbatore

9. Centre for Excellence in Computational Engineering and Networking (CEN), Coimbatore

10. Centre of Excellence in Advanced Materials and Green Technologies (COE-AMGT), Coimbatore

11. Amrita Centre for Industrial Research and Innovation (ACIRI), Coimbatore

1.4 Advantage Amrita

1. AMRITA is a multi-campus, multi-disciplinary, research-intensive university with 5 campuses, 20,000+ students, 2,000+ faculty, 200+ academic programmes, 5,000+ Scopus-indexed publications, 15,000+ citations and Rs. 250+ Crores in research funding.

2. Recognizing the immense talent, technical expertise, dedicated faculty, and visionary leadership with a focus on service to society, the Government of India has awarded Amrita University numerous mission mode projects: AVIEW (Amrita Virtual Interactive E-learning World), Haptics-based vocational training and education for women's empowerment, Virtual Labs, Adaptive Learning, Academic ERP (Academic Enterprise Resource Planning), TIFAC-CORE for Cyber Security, TIFAC-CORE for Biomedical Engineering, National Knowledge Network (NKN) Global Classroom, etc.

3. AMRITA is a partner in various international bilateral governmental research programmes and initiatives, such as Indo-US Initiative (Cyber Security, Cyber Crimes, & Cyber Forensics), Indo-European Union (Erasmus Mundus, India4EU programs), Indo-Japan Initiative in Wireless Networks & Applications, Indo-Brazilian bilateral programme on Wireless Networks and Techniques with Applications to Societal Needs, Indo-Italy bilateral Science and Technology Co-operation in Robotics, and Indo-Brazil programme in Nanomaterials for Renewable Energy.

4. AMRITA is also a model for all Indian Universities in attracting the best of talent from all over the world. Many faculty members at AMRITA are from the global universities of repute such as Oxford, Harvard, Berkeley, Stanford, Purdue, State University of New York (SUNY), Buffalo, University of California; University of Illinois, Urbana Champaign; University of Texas, Dallas; Cornell; University of Massachusetts, Amherst; Stern School of Business, New York University; University of Southern California, etc.

5. Exclusive Centre for value added training for Placement, GATE, CAT, GRE and GMAT.

6. 24 hours Wi-fi enabled Campuses/Hostels

7. Indoor/outdoor sports facilities including Multi-Gym, Olympic Standard Swimming Pool and Play Grounds.

8. Food Courts catering to the students from all parts of the Country

1.5   Accreditation and Ranking

Amrita University continuously collaborates with top US and European universities and has emerged as one of the fastest growing Institutions of higher learning in India. Amrita University has been:

(1)   **Ranked No.1** Private University in India in the Times Higher Education (THE); Asia University Rankings 2016

(2)   **Ranked No.1** Private University in India in the Quacquarelli Symonds (QS) University Rankings; Asia 2016

(3)   R**anked No.1** Private University in India in the Times Higher Education (THE); BRICS & Emerging Economies University Rankings 2016

(4)   R**anked No.1** in International faculty in India in the Quacquarelli Symonds (QS) University Rankings; BRICS 2016

(5)   R**anked No.1** in International faculty in India in the Quacquarelli Symonds (QS) University Rankings; BRICS 2015

(6)   R**anked No.1** in International outlook in India in the Times Higher Education (THE); Top 1000 World University Rankings, 2015-16

(7)   Accredited with the highest rating of 'A' by NAAC, the National Accreditation and Assessment Council of India.

(8)   Ranked 14th among all the Universities in India by NIRF, MHRD, Govt. of India.

2.0   AMRITA SCHOOLS OF ENGINEEIRNG

Amrita School of Engineering was started in 1994 in Coimbatore. In 2002, two additional Schools of Engineering were established in Amritapuri and Bengaluru. The Schools are approved by All India Council for Technical Education (AICTE), New Delhi. The course curriculum is credit-based, and syllabus is industry, and research oriented. All the three Schools offer B. Tech., M. Tech. and Ph. D. programmes in a large number of disciplines. Amrita University proposed a new campus for school of engineering at Vengal, Chennai.

2.1   Details of B.Tech. Programmes offered in Amrita Schools of Engineering

Amrita Vishwa Vidyapeetham offers the following undergraduate B.Tech. Programmes in the existing and proposed campuses:

AMRITA SCHOOL OF ENGINEERING, AMRITAPURI

1)   B.Tech . in Computer Science and Engineering
2)   B.Tech . in Electrical and Electronics Engineering
3)   B.Tech . in Electronics and Communication Engineering
4)   B.Tech . in Mechanical Engineering

AMRITA SCHOOL OF ENGINEERING, BENGALURU

1)   B.Tech . in Computer Science and Engineering
2)   B.Tech . in Electrical and Electronics Engineering
3)   B.Tech . in Electronics and Communication Engineering
4)   B.Tech . in Electronics and Instrumentation Engineering
5)   B.Tech . in Mechanical Engineering

AMRITA SCHOOL OF ENGINEERING, COIMBATORE

1)   B.Tech . in Aerospace Engineering
2)   B.Tech . in Chemical Engineering
3)   B.Tech . in Civil Engineering
4)   B.Tech . in Computer Science and Engineering
5)   B.Tech . in Electrical and Electronics Engineering
6)   B.Tech . in Electronics and Communication Engineering
7)   B.Tech . in Electronics and Instrumentation Engineering
8)   B.Tech . in Mechanical Engineering

AMRITA SCHOOL OF ENGINEERING, CHENNAI CAMPUS (Proposed Campus)

1)   B.Tech . in Civil Engineering
2)   B.Tech . in Computer Science and Engineering
3)   B.Tech . in Electronics and Communication Engineering
4)   B.Tech . in Electrical and Electronics Engineering
5)   B.Tech . in Mechanical Engineering

2.2   B.Tech. Placements at Amrita Schools of Engineering

At Amrita Schools of Engineering, companies vie with each other to be the early birds for hiring, thanks to the quality of students, past and present. Our alumni have created such a great impression in the minds of their employers through hard work, commitment and a rare sense of dedication to the profession that all our past recruiters come again and again to recruit, their offtake increasing with each passing year. Some highlights of the placements for B.Tech students so far:

➢ **Over 200 companies** visit the campuses every year.

➢ Dream option available for placed students to go for higher packages / better job profiles.

➢ **Average salary is Rs. 4.2 Lakhs per annum** for 2016 pass out batch.

➢ **Highest CTC offered for the current batch is Rs. 23.45 Lakhs per annum**.

Well planned industry-academia collaboration activities are in place, with more than 200+ companies for placements. MoUs have been signed with many well reputed national and international companies covering various aspects related to industry and academia. Almost 100% placement has been achieved for B.Tech. students, for many years, with many of them securing multiple offers as well as overseas placements.

Partial List of our Recruiters-B.Tech (2016-17) Batch

Google, Microsoft, Amazon, Intuit, Roadrunnr, Directi Internet Solutions (P) Ltd., CISCO, Juspay, Vmware, Novell- A Micro Focus Company, GE Digital, ABCO Advisory Services (I) Pvt Ltd., Nationstar Mortgage, Synopsys, Bin Dasmal-UAE, National Instruments, 24/7 Customer (P) Ltd., Amagi Media Labs, Oracle, SAP Labs India, FireEye, Sanctum Networks, KLA-Tencor Software India (P) Ltd., Xome, Huawei Technologies, South Indian Bank, Arista Technologies, Samsung R&D Institute India, Seagate Technology, Ernst & Young Services, Indix Internet, Thermo Fisher Scientific, Ashok Leyland, ABB Global Industries & Servicses (P) Ltd., Payoda Technologies, Zscaler Softech, Dell Software Group R&D, HealthifyMe, Zoho Corporation, Hyundai Motor India, Practo Technologies, Saint-Gobain Glass India, Tata Consultancy Services (DSS), ThoughtWorks Ltd., Caterpillar, ChargeBee Solutions, Doppio Group, Fractal Analytics, Toyota Kirloskar Auto Parts, UTC Aerospace, Visual BI Solutions, Cerner Health Care, Mahindra & Mahindra, Alcatel Lucent, Daikin Airconditioning (I) Pvt. Ltd., Honeywell, Amrita Project, LMS India Engineering Solutions, Tata Technologies, Wabco, Abyeti Technologies, Blue Star, Chalk Studio, L&T Construction, Manhattan Associates, MulticoreWare, Soliton Technologies, Symantec, The Data Team, Trimble, etc.

2.3   B.Tech. Admissions

Amrita Vishwa Vidyapeetham is conducting its Engineering Entrance-Examination every year on an all India basis for admission to the 4 year B.Tech. degree programmes offered by the University. Candidates who satisfy the eligibility criteria will be admitted to the first year of 4 year B.Tech. programmes through counselling, based on their ranks in the Entrance Examination.

3.0   AMRITA ENTRANCE EXAMINATION-ENGINEERING 2017 (AEEE-2017)

Candidates applying for the B.Tech. programmes offered by the Amrita Schools of Engineering, Amrita University should have the following eligibility criteria:

3.1 **Eligibility**

3.1.1 Age: Candidate's shall be born on or after 1st july 1996.

3.1.2 Educational Qualification: A pass in 10+2 (Class XII) or its equivalent examination securing an aggregate of 60% marks in Mathematics, Physics and Chemistry with not less than 55% in each of these three subjects.

Note1: 1)Those who appear for the above examination in March / April 2017 and expect to secure minimum marks as above, may also apply.

2) Minimum eligibility for management quota is an aggregate of 80% marks in Mathematics, Physics and Chemistry.

3.2 Mode of Entrance Examination*

AEEE-2017 will be conducted in two separate modes, namely Computer Based Test (CBT) and Pen & Paper Based Test (P&P). Candidates can choose either CBT or P&P mode as per their Choice. **BUT NOT BOTH**. P&P Examination will be conducted in Tamilnadu, Karnataka and Kerala States only.

Computer Based Test is conducted in 96 cities all over the Country. List of CBT and P&P Centres are given in Annexure–I.

3.2.1 **CBT**: Computer Based Test means the candidate sits in front of a computer which is connected to a server and the questions are presented on the computer monitor and the candidate answers the questions on the computer through the use of keyboard or mouse.

3.2.2 **P&P Test**: The Pen and Paper Based Test is a traditional test in which printed question booklets are distributed to the candidates. **The answers are to be marked in printed OMR answer sheets.**

3.2.3 Computer Based Test (CBT)

i) Duration of the Entrance Examination is 2 ½ hours.

ii) Dates and Slots

Dates and Days	Number of slots
20th April 2017 (Thursday)	Number of operating slots will depend on the number of candidates in each centre. The candidate can select date and slot of their choice, subject to availability, by visiting the University website www.amrita.edu/aeee after registration for AEEE-2017 is over.
21st April 2017 (Friday)	
22nd April 2017 (Saturday)	
23rd April 2017 (Sunday)	

iii) Candidates writing AEEE-2017 in different slots will get different question sets. Before finalising the question sets, an expert committee will ensure that the question sets are of comparable standards with respect to content, nature of questions and difficulty level. The decision of the expert committee in this matter will be final and binding on the candidates.

3.2.4 Pen and Paper Test (P&P)

i) Duration of the Entrance Examination is 2 ½ hours.

ii) Date and Slot

Date and Day	Time	Slot
29th April 2017 (Saturday)	10:00 AM to 12:30 PM	P&P test is conducted in one slot only.

iii) Printed question booklets in 4 different versions are distributed among the candidates. *An expert committee will ensure that the question set of P&P is of comparable standard with respect to content, nature of questions and difficulty level when compared with the question sets of computer based test*. The decision of the expert committee in this matter will be final and binding on the candidates.

3.3 Application for AEEE-2017

To apply for AEEE-2017, the eligible and interested candidates should submit application in the prescribed form **either ONLINE at www.amrita.edu/aeee or using printed OMR application form**. BUT NOT BOTH.

3.3.1 **Application for Computer Based Test**: Application can be submitted either online or using printed OMR application form.

3.3.2. **Application for Pen and Paper Based Test**: Application can be submitted either online or using printed OMR application form.

NRI, PIO & Foreign Candidates are exempted from appearing in the AEEE. However, NRI sponsored candidates are required to appear in the AEEE

3.3.3 **Application Fee**: The prescribed application fee for AEEE-2017 is Rs. 1000/- for CBT as well as P&P. Application fee once paid will not be refunded.

3.3.4 **How to Apply?**

ONLINE REGISTRATION: Candidates can complete and submit online application form available at www.amrita.edu/aeee and pay the prescribed fee (See Section 4.0) before the last date specified. Applications submitted after the due date will not be accepted.

REGISTRATION USING PRINTED OMR APPLICATION: Candidates who obtain printed OMR application form should send the filled-in application (See Section 5.0) to the Admissions coordinator address mentioned in the envelope so as to reach before the last date specified. Applications submitted after the due date will not be accepted.

Printed OMR Application Forms of AEEE-2017 can be obtained :

(a) from the list of sale outlets (Post Office, Dhanlaxmi Bank and Federal Bank) on payment of Rs. 1000/-. Details of sale outlets are given in the University Website "https://www.amrita.edu/aeee"

(OR)

(b) from the University counter of Amrita Schools of Engineering at Amritapuri, Bengaluru, Coimbatore and Vengal-Chennai (proposed campus) on producing a demand draft for Rs. 1000/- drawn in favour of "**Amrita School of Engineering"** payable at **Coimbatore.**

(OR)

(c) by post from the Admission Co-ordinator, Amrita School of Engineering Coimbatore on a written request indicating their full communication address together with a Demand Draft for Rs. 1000/- as mentioned above**.**

When a demand draft is used, candidate should write on the back of the Demand Draft, "B.Tech. Application," his / her Name and Mobile Number. Candidates are advised to keep a photocopy of the filled in application and Demand Draft for future reference.

Application form (online / offline) is designed in an easy to use format. Read section 4.0 before starting to fill in the online application form and read section 5.0 before starting to fill in the printed OMR application form.

If a candidate submits more than one application form, University has the right to reject the application form(s) / cancel admission.

3.4 Examination Cities and City Codes

The names of those cities / towns in which CBT and P&P Examinations will be conducted are listed in Annexure I along with the city code. Examination will be conducted in a centre only if there are sufficient candidates. If exam cannot be conducted at the first choice of a candidate he / she will be allotted to second / third choice as applicable.

3.5 Important Dates to Remember

Important AEEE-2017 Events	Dates and Days
Commencement of Online Registration	01st December 2016 (Thursday)
Commencement of OMR application sales	01st December 2016 (Thursday)
Last date for submitting Online Application	31st March 2017 (Friday)
Filled-in OMR application should reach by	31st March 2017 (Friday)
Computer Based Test (CBT)	20th, 21st, 22nd & 23rd April 2017 (Thursday, Friday, Saturday, & Sunday)
Pen and Paper (P&P) Test	29th April 2017 (Saturday)
Declaration of AEEE-2017 Rank	5th May 2017 (Friday)

3.6   About the Entrance Examination Pattern and Evaluation

3.6.1 Amrita Entrance Examination–Engineering 2017 will be of 2 ½ hours duration and there will be one question paper containing 100 objective type (multiple choice types) questions in Mathematics, Physics and Chemistry. Each question will be followed by four answers of which one is correct / most appropriate.

3.6.2 Three marks will be awarded for every correct answer. For every incorrect answer, one mark will be deducted from the total score. If no response is indicated in the answer sheet against a question, no marks, positive or negative will be awarded. If more than one answer is indicated against a question, it will be treated as "incorrect answer" and negative mark will be awarded. Candidates are advised to mark an answer only if they are sure that it is correct / the most appropriate. Request for revaluation, re-checking or re-totaling will not be entertained.

3.6.3 Distribution of questions and marks is as follows:

Subject	Weightage	Marks	Total No. of Questions	Total Marks
Mathematics	40 questions	120		
Physics	30 questions	90	100	300
Chemistry	30 questions	90		

3.7   Syllabus for AEEE-2017

The syllabus for AEEE-2017 is given in Annexure – III. Candidates can download the syllabus from the University website www. amrita.edu/aeee.

4.0   AEEE-2017 ONLINE REGISTRATION

For online registration, visit the University website **www.amrita.edu/aeee** and submit online application following instruction given below. It consists of the following three steps: 1) Register, 2) Upload Photo and 3) Payment

4.1   Register: In the FIRST STEP, the candidate should submit a few basic details such as Name, Date of Birth, email-id, Mobile Phone Number, School last studied, Mode of AEEE-2017 examination, Test Centre, etc. and press **Submit** button. After submitting, candidate can view the data entered and it can be edited, if required. If the details entered are correct, candidates need to click on the "**I CONFIRM**" button. After confirmation, data cannot be edited. Please note that once the application is confirmed by pressing the "**I CONFIRM**" button, no further changes are possible.

4.2   Upload Photo: For this, candidates will be required to have a scanned (digital) image of his / her recent passport size colour photograph (3.5 cm x 4.5 cm with the file size between 5 KB and 20 KB) and signature on white paper with **black ink ball point pen** (3.5 cm x 1.5 cm with file size between 5 KB and 20 KB) for uploading. After uploading the images, click "Proceed for Payment" button. Candidate can choose either ONLINE option or OFFLINE option to make payment of the Application Fee.

4.3   Online Payment: An application fee of Rs.1000/- may be paid using **Credit Card** / **Debit Card** / **Net Banking** as per the procedure given. On **successful** receipt of payment through Credit Card/ Debit Card/ Net Banking towards application fee on or before the prescribed LAST DATE, candidates will be sent an email containing the details of receipt of payment and application confirmation.

OR

Offline Payment: An application fee of Rs.1000/- may also be paid using Demand Draft of Rs.1000/- drawn in favour of **"Amrita School of Engineering,"** payable at Coimbatore. The details of DD should be filled up in the online application form for completing the submission of the online application. Any mistake in the data entered may lead to rejection of the application. After entering DD Details, click "**Submit**" button to complete the transaction.

Once the transaction is made, candidates should login using E-mail id / Application number and Date of birth to review and print the "completed application form" along with DD details. Candidates are advised to print two copies of their application form. One copy to be retained by the candidate and the other to be sent along with the Demand Draft to the following address:

<p align="center">The Admissions Co-ordinator</p>
<p align="center">Amrita School of Engineering, Amrita Vishwa Vidyapeetham</p>
<p align="center">Amritanagar (P.O.), Ettimadai, Coimbatore 641 112, Tamil Nadu.</p>
<p align="center">Phone: 0422 - 2685169 / 170</p>

On receipt of the duly filled, printed copy of the "completed application form" along with the Original DD towards Application Fee on or before the prescribed LAST DATE, candidate will be sent an email containing the details of receipt of payment and application confirmation. **Submission of Application does not reserve any type of admission to the University which is subject to compliance with Rules and Regulations of the University in force at the time of admission.**

5.0 AEEE-2017 OFFLINE REGISTRATION USING PRINTED OMR APPLICATION FORMS

Eligible Candidates can also register for AEEE-2017 by submitting duly filled printed OMR application forms.

5.1 Guidelines for Filling Printed OMR Application Form

The printed OMR application form contains 19 items. Please fill up all the items carefully as per the guidelines given below.

Use: (1) **black ink ball point pen for writing inside the rectangle boxes** (2) **HB pencil for filling-up the bubbles** (ovals)

In case of correction of entry made with HB pencil, completely erase the wrong entry without damaging the paper and leaving any smudge, since a partially erased mark leads to wrong reading by the Optical Mark Reader (OMR) machine.

Candidates should take extreme care while writing inside the boxes using black ink ball point pen. In case any letter is entered wrongly, strike out the letter and write above it correctly. **Correction fluid should not be used**.

ITEM 01: Name of the Candidate as in 10th Class Certificate

(a) Within the rectangular boxes, write your name in CAPITAL letters as in the 10th class certificate using a Black Ink Ball Point Pen.

(b) Leave one box vacant between the names and the initials as,

A	N	I	L		V	A	R	M	A		P	K

(c) Darken the corresponding bubbles fully with HB pencil

ITEM 02: Category

(a) Four categories are indicated, namely Scheduled Caste (SC), Scheduled Tribe (ST), OBC and Others. Darken the appropriate bubble.

(b) Community certificate shall not be enclosed with the application form, but shall be produced in original during counselling.

ITEM 03: Gender

(a) Darken the appropriate bubble against Male or Female.

ITEM 04: Date of Birth

(a) Fill in the date of birth as per the school records in the boxes as below and darken the appropriate bubbles.

<p align="center">16th   August   1996</p>

Date		Month		Year	
1	6	0	8	9	6

ITEM 05: State / Union Territory / Foreign Country from where you have completed 12th class

(a) The code numbers for the States / Union Territories / other countries are given in **Annexure–II**. Write the appropriate code numbers in the rectangular box provided USING A BLACK INK BALL POINT PEN and darken the corresponding bubbles USING HB PENCIL. The code denotes the **State** where the candidate has passed 12th / Pre-degree. **Application will not be processed if the State code is not correctly entered.**

(b) Your State Quota eligibility will be decided by the state where you completed the 12th class, and not by your place of birth.

ITEM 06: Nationality

(a) Darken the appropriate bubble against Indian or Foreign national USING HB PENCIL.

ITEM 07: Mobile Phone Number

(a) Write your mobile phone number USING A BLACK INK BALL POINT PEN and darken the corresponding bubbles USING HB PENCIL.

9	8	9	4	5	0	9	2	1	7

ITEM 08: Full name and complete postal address of the candidate (IN CAPITAL LETTERS)

(a) The address written in this box will be scanned as such and used for correspondence. In order to ensure prompt delivery of letter, the full name and address of the candidate should be written legibly in CAPITAL letters USING A BLACK INK BALL POINT PEN. The address should contain House No., House Name, Road / Street, Post Office, District, etc. The writing should not touch or cross the border of the box.

(b) Write clearly your contact telephone number with STD code and mobile number. Write Email address in CAPITAL letters for clarity.

(c) If hand writing is not clear, or the address is incomplete, the letters sent are liable to be returned by the postal authorities and the University will not be responsible in this regard.

ITEM 09: Photograph

(a) Affix a good quality passport size colour photograph (size: 3.5 x 4.5 cm) taken within the last three months. **Do not make any attestation on the photograph. Do not staple or pin the photograph.** The photograph shall not be larger than the space (box) provided for affixing it.

(b) The candidates are advised to keep with them six copies of the photograph for subsequent use during counselling / admission.

ITEM 10: Signature of the Candidate

(a) Your signature establishes your identity. Put your usual signature USING A BLACK INK BALL POINT PEN within the box provided. The signature should not touch or cross the border of the box. The signatures in item number 10 and item number 18 shall be identical.

ITEM 11: Name of Parent / Guardian

(a) Write the name of parent in CAPITAL letters USING A BLACK INK BALL POINT PEN in the rectangular box provided. If both the parents are not alive, write the name of the guardian. Leave one box vacant between the names and the initials as,

A	N	I	L		V	A	R	M	A		P	K

ITEM 12: Academic details

(a) USING A BLACK INK BALL POINT PEN, write in capital letters the Name of school last attended, Address, Post, City, District, State and PIN Code.

ITEM 13: Mode of Entrance Exam Opted

(a) Entrance Exam is conducted in 2 modes. You can choose one of the following modes:

1) Computer Based Test (CBT) - Conducted in 96 cities on 20th, 21st, 22nd and 23rd April 2017.

2) Pen and Paper Based Test (P&P) - Conducted in 40 cities on 29th April 2017.

(b) Mark your choice in Item 13 by filling the oval against ONE mode (CBT or P&P) ONLY. If you mark both the ovals, your application becomes invalid and will be rejected.

ITEM 14: Choice of Exam City (for CBT applicants only)

(a) Select three AEEE-2017 CBT city options in the order of preference from the available list of CBT centres given in Annexure–I. Write your 1st, 2nd, and 3rd preference of AEEE-2017 CBT city codes as per your choice and fill the corresponding bubbles.

ITEM 15: Date of Entrance Exam (for CBT applicants only)

(a) The candidate can select date and slot of their choice, subject to availability, by visiting the University website after registration for AEEE-2017 is over.

ITEM 16: Choice of Exam City (for P&P applicants only)

(a) Candidates opting for P&P shall choose their two preferred cities from Annexure–I, write the city codes and darken the bubbles

(b) P&P is scheduled only on 29th April 2017, and hence there is no choice of date for P&P Applicant.

ITEM 17: Declaration

(a) Candidate and the parent / guardian should read and understand the declaration carefully.

ITEM 18: Signature of the Candidate with Name

(a) Use black ink ball point pen and put the signature and write the name within the box, not touching or crossing the sides.

ITEM 19: Signature of the Parent / Guardian with Name

(a) Use black ink ball point pen and put the signature and write the name within the box, not touching or crossing the sides.

Note: By signing the declaration, the candidate and the Parent / Guardian undertake the responsibility for the correctness of all the statements in the application. So they shall ascertain the truth / correctness of the statements. Application without the signature of the candidate and Parent / Guardian will be rejected. Also, write the place and date in the space marked for the purpose. Incomplete application forms will be summarily rejected and no communication will be sent in this regard.

5.2 DO's and DON'Ts (OMR Application form filling)

(1) The coded application form is enclosed in a pre-addressed special envelope. The applicants should send the filled-in application form in the pre-addressed envelop to the Admissions Co-ordinator (See Section 5.3)

(2) **Application form should be filled in English only**.

(3) Do not make any stray mark on the coded application form.

(4) Candidates must use only the original OMR coded form; photocopy of the coded form will not be accepted.

(5) Handle the coded sheet very carefully. **Do not staple, pin, wrinkle, tear or wet the coded sheet. Tampered application is liable to be rejected.**

(6) Coded Application Form is to be folded in the same manner as it is supplied. No new fold should be made.

(7) The application form will be processed by computer based Optical Mark Reader. Hence, candidates are informed to use HB Pencil or Black Ink Ball Point Pen as per the instruction given in section 5.1.

(8)   Mark your r e s p o n s e , only within the space provided for the purpose. Response marked outside the space will not be read by the Optical Mark Reader.

(9)   Do not enclose any certificate along with filled-in application and don't get attestation in the application.

(10)   Request for change or correction of any information given in the application form will not be entertained under any circumstance.

(11)   **Candidate shall submit only one application.**

5.3 Submission of the Filled-in OMR Application (Check list)

Candidate is advised to note down the Application number and keep a photocopy of the filled-in application for future reference and correspondence. Before mailing the application, candidate is advised to check the following:

(1)   Name is written as per the 10th class records.

(2)   Full & correct mailing address is written (NRI's shall give their address in India)

(3)   Contact phone number (land phone & mobile phone) & Email ID are written correctly.

(4)   Address of the school last attended is written correctly.

(5)   Candidate has used black ink ball point pen to write and HB pencil to darken the bubbles

(6)   Option of CBT or P&P is marked correctly.

(7)   The city code of the examination centre, first, second and third choice in the case of CBT; first and second in the case of P&P are mentioned correctly.

(8)   State code from where the candidate completed 12th class is mentioned correctly.

(9)   Recent passport size colour photograph of good quality is affixed in the space provided and the photograph is not attested.

(10)   Candidate has signed in the space provided on the first page and second page of the application Form.

(11)   Parent / Guardian has signed the declaration.

(12)   Candidate has not used any pin or staple on the application.

(13)   Candidate has retained a photocopy of the filled-in application form and DD for future reference.

Note: Duly filled-in application form shall be sent in the pre-addressed cover intended for sending the same and is addressed to:

<div align="center">

The Admissions Co-ordinator

Amrita School of Engineering

Amrita Vishwa Vidyapeetham (Amrita University)

Amritanagar (P.O.), Ettimadai, Coimbatore 641 112, Tamil Nadu

Phone: 0422 - 2685169 / 170

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6.0 AEEE-2017 CENTRE ALLOTMENT

6.1   CBT Centres and Slot Allotment (Also refer section 5.1-Item 14 and Annexure – I)

(a)   A candidate appearing for CBT can give three preferences of test centres (Cities) from the CBT centres given in Annexure I

(b)   The preferences given by the candidate are only indicative and are to guide the University for deciding the number of centres. The University will try its best to accommodate candidates at their first preference, but this cannot be guaranteed.

(c)   A candidate will be alloted one out of three centres, preferably the first choice. Examination will be conducted in a centre provided there is sufficient number of candidates. If exam cannot be conducted at the first choice of a candidate he / she will be allotted to second / third choice as applicable. If it is not possible to allot any of the three preferences given, the University reserves the right to allot any other city.

(d)   A candidate will be allotted one out of the four dates, preferably the first choice. The number of CBT slots will depend on the number of candidates registered in each centre. The allotment of slots/ dates will be on first come first serve basis. If a candidate does not exercise his / her option, he / she shall be assigned a slot / date as per the availability of the same.

6.2   P&P Centres Allotment (Also refer section 5.1-Item 16 and Annexure – I)

(a)   P&P Test is conducted in one slot only on 29th April 2017 (Saturday) from 10:00 AM to 12:30 PM. P&P applicants shall choose their two preferred city choices for exam centre. Every attempt will be made to allot the centre of first choice. In extreme cases, candidate may be allotted the city of second choice.

(b)   If examination cannot be conducted in these two cities, candidate will be allotted to another city at the discretion of the University.

Note: The address of an Examination Centre for a candidate will be mentioned in the Hall Ticket, which can be generated online. Request from a candidate for change of city / town allotted to him / her will NOT be entertained under any circumstances.

7.0   HALL TICKET DOWNLOAD AND USE

The AEEE-2017 hall ticket will be generated only to those eligible candidates who have submitted their application form complete in all respects, on or before the last date specified.

7.1   The Hall Ticket generated by the software will contain the Name and Registration Number of the candidate, Date of Exam, Address of the Exam Centre allotted to the candidate, etc.

7.2   Hall Ticket can be downloaded from the University website by entering using email id / Application Number and Date of Birth. Hall Ticket will not be sent by post. Visit "https://www.amrita.edu/aeee" to download hall ticket.

7.3   **Candidates shall retain their hall tickets used in the examination hall having the signature of the invigilator and produce the same at the time of counselling, failing which the candidate will not be allowed for counselling.**

7.4   Candidate will not be permitted to appear for the entrance examination without a valid hall ticket. In the examination hall, candidate should produce his/her hall ticket when demanded by the invigilator.

8.0   IMPORTANT HALL INSTRUCTIONS / RULES TO CBT CANDIDATES

8.1   In order to prove identity, candidate should produce any of the following with photocopy of the same while appearing for AEEE-2017:

01. Voter ID Card   02. Aadhaar Card   03. ID Card issued by the school last attended
04. Passport   05. Driving License (Learner license will not be acceped)
06. Any other authentic document which proves identity .

8.2   Candidates are required to be present in the Test Centre 30 minutes before the starting time of the Test as specified in the hall ticket and occupy their allotted seats 25 minutes before the commencement of the examination. Candidates will not be allowed to appear for the examination without producing the Hall Ticket. A seat with registration number will be allotted to each candidate. Candidates must find out and occupy their allotted seats. If a candidate is found appearing in the Test from a seat or room other than the allotted one to him / her, his / her candidature shall be cancelled.

8.3   No candidate will be allowed to enter the Examination Hall 30 minutes after the commencement of the Examination.

8.4   Candidates must bring black ball point pen, HB pencils, pencil sharpener and eraser.

8.5   Candidates will not be allowed to carry any textual material, printed or written bits of paper, Mathematical and Physical Tables, Electronic Gadgets like Calculator, Cell phone, etc. into the examination hall.

8.6   For working purpose, a maximum of three paper sheets will be provided to the candidate during the examination. All rough work will need to be worked in these sheets of paper and no additional material will be given for rough work. The used rough sheets to be returned to the invigilators before leaving the examination hall after completion of the test.

8.7   In the examination hall, each candidate shall sign the attendance sheet. This signature shall be identical with the signatures on the Application Form and the Hall Ticket. During the examination, the candidate's left hand thumb impression also will be taken for identification. Thumb impression will be taken again at the time of admission for verification.

8.8   Candidates will not be allowed to leave the examination hall before the end of the examination

8.9   Any malpractice or attempt to commit malpractice in the examination hall or any violation of the rules will lead to disqualification of the candidate.

8.10   The test administrator is authorized to dismiss canditates from the test session for any of the following reasons:

   (a) Creating disturbance.

   (b) Attempting to take the test on behalf of someone else.

   (c) Talking to other test taker/s.

   (d) Attempting to tamper with the computer system – either hardware or software.

   (e) If found with calculators, slide rules, pagers, cell phones, concealed microphones, wireless devices or any other material that may aid in answering questions.

9.0   IMPORTANT HALL INSTRUCTIONS / RULES TO P&P CANDIDATES

9.1   Hall instructions / Rules

(1)   In order to prove identity, candidate should produce any of the following with photocopy of the same while appearing for AEEE-2017:

   01. Voter ID Card   02. Aadhaar Card   03. ID Card issued by the school last attended

   04. Passport   05. Driving License (Learner license will not be acceped)

   06. Any other authentic document which proves identity .

(2)   The examination is from 10:00 AM to 12:30 PM. Candidates shall be present at the examination centre 30 minutes before the commencement of the examination. Candidates will not be allowed to appear for the examination without producing the Hall Ticket.

(3)   Candidates will not be admitted to the examination hall 30 minutes after the commencement of examination.

(4)   Candidates shall occupy their respective allotted seats at 9:35 AM. A seat with registration number will be allotted to each candidate. Candidates must find out and occupy their allotted seats. If a candidate is found appearing in the Test from a seat or room other than the allotted one to him/her, his/her candidature shall be cancelled.

(5)   Candidates must bring black ink ball point pen, HB pencils, pencil sharpener and eraser.

(6) Candidates will not be allowed to carry any textual material, printed or written bits of paper, Mathematical and Physical tables, electronic gadgets like calculator, cell phone etc. into the examination hall.

(7) In the examination hall, each candidate shall sign the attendance sheet. This signature shall be identical with the signatures on the Application Form and the Hall Ticket. During the examination, the candidate's left hand thumb impression also will be taken for identification. Thumb impression will be taken again at the time of admission for verification.

(8) Candidates will not be allowed to leave the examination hall before the end of the examination

(9) Any malpractice or attempt to commit malpractice in the examination hall or any violation of the above rules will lead to disqualification of the candidate.

(10) The test administrator is authorized to dismiss canditates from the test session for any of the following reasons:

    (a) Creating disturbance.

    (b) Attempting to take the test on behalf of someone else.

    (c) Talking to other test taker/s.

    (d) If found with calculators, slide rules, pagers, cell phones, concealed microphones, wireless devices or any other material that may aid in answering questions.

9.2 Question Booklet and Answer Sheet

(1) A sealed question booklet and OMR answer sheet will be distributed to the candidate in the examination hall 15 minutes before the actual time of commencement of examination, so that the candidates shall have sufficient time to read the instructions printed in the front and last page of the sealed question booklet without opening the booklet by breaking the seal. Using black ball point pen, candidate shall write his / her Name, Registration Number and put Signature in the space provided on the front page of the question booklet. **Answers are to be marked on OMR sheet.**

(2) Sealed question booklet will be in 4 versions A, B, C & D. The version code of the question booklet, the number of pages and question booklet number will be printed on the front page of the question booklet.

(3) Two minutes before the commencement of the examination, the invigilator will announce to open the question booklet. Therefore, do not open / break the seal before the announcement.

9.3 Instructions for Filling the OMR Answer Sheet Before the Examination starts.

The OMR answer sheet has three parts: Instructions part, Data part and Answer part.

9.3.1 Filling Data Part of the OMR Answer Sheet: The data part of the OMR answer sheet has provision for entering the following data:

    (1) Registration Number   (2) Question booklet version code   (3) Question booklet number
    4) Signature and Name of the candidate   (5) Signature and Name of the Invigilator.

Write the details using a black ink ball point pen and darken the bubles using HB pencil or black ink ball point pen as per the instructions given below

(1) Registration Number: Write the registration number within the rectangular box provided as given in the Hall Ticket and darken the corresponding bubbles. The registration number should be written without any correction or overwriting.

(2) Question booklet version code: The question booklet given to you has a version code A, B, C or D. Write this code in the rectangular box and darkens the appropriate bubble.

(3) Question booklet number: This number is printed on the front page of the question booklet. Copy this number in the rectangular box on the answer sheet and darken the appropriate bubbles.

(4) **Signature of the candidate:** The candidate has to sign in the space indicated and it should match with the signature in the Application and Hall Ticket.

(5) **Name of the candidate:** Write the name as given in the Hall Ticket in CAPITAL letters correctly and legibly.

(6) **Signature and name of the invigilator:** The invigilator will make these entries.

OMR answer sheet is to be handled carefully by the candidate; no spare OMR answer sheet will be given. Candidates are advised not to fold, wrinkle or tear the answer sheet.

9.3.2 Instructions for answering using OMR answer Part

ANSWER **PART** of the OMR sheet is intended for marking the answers to the questions. For each question, four alternative answers and corresponding four bubbles are given. Candidates are required to mark / shade only one bubble (*The bubble should be* **darkened** *completely*) against each question in the OMR answer sheet using HB pencil or black ball point pen as per candidates choice. eg., If the answer to the question 2 is C, the bubble C has to be darkened as shown:

In case a candidate, after a second thought, wishes to change the choice already darkened with HB pencil, he / she may erase the marking completely with a good eraser and thereafter darken the alternative bubble afresh. While erasing, extreme care should be taken to see that there is no damage to the sheet or no smudge left, as it will affect the evaluation. Bubbles darkened with the ball point pen cannot be altered and hence a firm decision should be taken before marking with pen.

9.4 Opening the Question Booklet

(a) Two minutes before the commencement of the examination, the invigilator will announce to open the question booklet. Do not open / break the seal before the announcement

(b) Immediately after opening the question booklet, the candidate should check the following:

(i) whether the question booklet and all the pages are in good condition

(ii) whether it has the exact number of pages mentioned on the first page

(iii) whether it contains 100 questions numbered in serial order. If the question booklet is not in tact, report the matter to the invigilator.

9.5 Examination Time Schedule

Duration of the Examination	**10:00 AM-12:30 PM**
Entry to the Examination Hall	**9:35 AM (Long Bell)**
Distribution of Question Booklet and OMR Answer Sheet	**9:45 AM (Short Bell)**
Filling-up the entries in the Question Booklet and Answer Sheet	**9:45-9:58 AM**
Opening the Question Booklet	**9:58 AM (Short Bell)**
Examining of the Question Booklet	**9:58-10:00 AM**
Commencement of the Examination	**10:00 AM (Short Bell)**
Late entry of candidates to the hall permitted till	**10:30 AM**
Warning Bell	**12:20 PM (Short Bell)**
End of the Examination	**12:30 PM (Long Bell)**
Submission of Answer Sheet & Question Booklet	**12:30 PM**
Affixing the left hand thumb impression	**12:30 PM-12:40 PM**

10.0 PUBLICATION OF RANK LIST

Rank List will be prepared based on the score in the AEEE-2017 and the Rank list will be published in the University website on or before 5th May 2017 (Friday).

11.0 COUNSELLING AND ADMISSION

Counselling will be arranged simultaneously in the three campuses namely Amritapuri, Bengaluru, and Coimbatore. Candidate can appear for counselling in any one of the three campuses and opt a branch in any campus according to his/ her preference and availability of seat.

11.1 COUNSELLING PROCEDURE

(1)   Counselling for admission will be in May / June 2017. Counselling schedule will be published in the University website along with Rank list of the entrance exam. Candidates rank as well as counseling call letter will not be sent by post. They are advised to check the Univerity website during the first week of May.

(2)   Before attending the counselling, candidate shall ascertain his/her eligibility for admission with respect to age and Plus Two marks. The seat allotment is based on rank in AEEE-2017 and eligibility as per section 3.1 of the handbook.

(3)   It is mandatory for all candidates seeking admission to attend the counselling, as per the notified schedule given in the University website.

(4)   A certain percentage of seats in each campus will be earmarked for the candidates who passed 12th class from the respective states in which the University Campus is located. In order to ensure admission to candidates from all states, the maximum intake from any state will be suitably restricted. State from where the candidate studied and passed Plus Two / Higher Secondary will be the criterion for allotment of state based quota of seats and scholarships.

(5)   Candidate must be physically present for counselling. Parent / Guardian shall accompany the candidate.

(6)   At the time of Counselling, candidates shall produce originals of the following:

      (a) 10th class certificate to prove Date of Birth

      (b) Marks statement of class XII to prove eligibility regarding marks

      (c) Hall tickets of class XII Examination & Amrita Entrance Examination – Engg. 2017

      (d) Transfer Certificate from the school last attended to prove the 'State' where he / she studied Plus Two

      (e) Community certificate in case of SC / ST

      (f) Other testimonials as specified in the call letter.

(7)   If the original certificates are not produced by a candidate, he/ she will not be permitted to attend the counselling.

(8)   When a candidate accepts the seat allotment, his / her original certificates will be retained by the University, unless otherwise decided by competent authority.

(9)   Each candidate shall pay Rs. 10,000/- by Demand Draft as counselling charges which is non - refundable.

(10)   Before seat allotment, each candidate has to pay Rs. 50,000/- by demand draft as part of tuition fees. Candidates are required to pay the balance fees and complete all other formalities within the time limit prescribed in the Seat Allotment Order. Request for extension of time for payment of fees will not be entertained. If a candidate fails to remit the fees on or before the stipulated date his / her seat allotment will get automatically cancelled without any notice.

(11)   The candidate shall attend the counselling in neat formal dress.

(12)   Attending Counselling does not guarantee admission to the B.Tech. programme. Candidates are advised to note the seat availability from our website before coming to attend the counselling.

12.0   WITHDRAWAL FROM THE PROGRAMME AND REFUND OF FEES

12.1   Refund of fee will be made as per the regulations of the University.

12.2   If a student admitted to the B.Tech. programme withdraws from the programme before the starting of classes, and if the written request from the student for withdrawal / cancellation reaches the office of the Admissions Coordinator 7 days before the commencement of classes, the fee collected from the student will be refunded after deducting a processing fee of Rs. 10,000 (Ten Thousand Only).

12.3   If a student leaves after starting the classes but before closing the admission and if the written request from the student for withdrawal / cancellation reaches the office of the Admissions Coordinator within 7 days after the commencement of classes, **processing charge of Rs. 10,000 will be deducted and the balance will be refunded only if the seat consequently falling vacant is filled by another candidate before the last date of admission. if the vacancy is not filled up as above, 50% of fees paid and Rs. 10,000 towards processing charges will be deducted and the balance will be refunded.**

12.4   If a student leaves after starting the classes but before closing the admission and if the written request for withdrawal / cancellation reaches the office of the Admissions Coordinator 7 days after commencement of classes, but before closing the admission, **50% of the fees paid and Rs. 10,000 towards processing charges will be deducted and the balance will be refunded.**

12.5   No fee refund will be given to a student leaving after closing the admissions

12.6   In any case given above (12.2, 12.3 and 12.4), counselling charge will not be refunded.

12.7   The date of closing of admissions will be announced by the University.

13.0   FAQ ON B.Tech. ADMISSIONS 2017

1.   **What is the procedure to get admission for B.Tech. in Amrita University ?**

    Ans: *A candidate should have a pass in 10+2 (class XII) or its equivalent securing an aggregate of 60% marks in Mathematics, Physics and Chemistry with not less than 55% marks in each of these three subjects and also should appear for Amrita Entrance Exam to be eligible to get admission based on his/ her rank in the entrance exam. Age restrictions apply. See section 3.0 of this Handbook.*

2.   **Based on the rank in a National or State entrance exam, can a candidate get direct admission in Amrita?**

    Ans: *No. Only eligible candidates who appeared for Amrita Entrance Exam 2017 are eligible for admission based on their rank.*

3.   **How is the accrediation status of Amrita Vishwa Vidyapeetham?**

    Ans: *Amrita Vishwa Vidyapeetham is a University established under sec 3 of UGC Act 1956. The University is recognized by UGC and Ministry of HRD, Govt. of India. The University is accredited with the highest rating of "A" grade by the National Assessment and Accreditation Council (NAAC) in 2009 and Re-accredited with the highest rating of "A" grade by NAAC 2014. The HRD Ministry's Panel Report (2010) on Deemed Universities has graded Amrita in Category-**I**. For other national and International ranking of the University, See Section 1.5.*

4.   **How is Amrita B.Tech.programme designed?**

    Ans: *Choice based credit system with continuous evaluation is followed in semester pattern.*

5.   **Is campus transfer possible after joining the B.Tech. programme in anyone of the Amrita campuses?**

    Ans: *No. There is no provision for campus transfer.*

6.   **What is faculty student ratio for the engineering programmes?**

    Ans: *1 : 12 approximately.*

7. Where should I attend the counselling for B.Tech. admission?

Ans: You can attend the counselling in any one of the three campuses mentioned in this handbook (See Section 11.0) at your convenience and opt any branch (See Section 2.1) in any one of the four campuses according to the availability of seat at the time of your counselling.

8. How do I know the date of my counselling?

Ans: Counselling schedule will be published in the University website along with the rank list. Candidates shall find from the website their date and time of counselling.

9. At the time of counselling, is the presence of candidate compulsory?

Ans: Yes, the candidate along with his / her parent or guardian shall be present at the counselling desk.

10. At the time of counselling, is it enough to produce Photostat copies of the certificates?

Ans : Sorry. Original certificates are to be produced (See Section 11.1, Item(6) in this Handbook) at the time of counselling

11. In XII class exam, my average marks for Physics, Chemistry and Mathematics is above 60%, but in one of the subjects the score is less than 55%. Can I attend the counselling?

Ans : No. You should get 55% or more separately in Mathematics, Physics and Chemistry each, together with 60% aggregate in these three subjects.

12. After admission, if one wants to withdraw from the programme, what about the refund of fees?

Ans: Refer to Section 12.0 in this handbook. Refund will be given as per the regulations of the University.

13. How to re-login to complete the printing application using online?

Ans: A candidate can re-login using email id / application Number and Date of birth

14. Difficulty to re-login due to mistake in email-id or Date of Birth. Help!

Ans: Incase of such difficulty, send email to admissions@amrita.edu with details like Name, Father's Name, Mobile Number, etc.

15. Is it possible to change exam centre after submitting the application?

Ans: No

16. Is it possible to change exam mode (OMR toOnline and vice versa) after submitting the application?

Ans: No

17. When will the Hall ticket be generated?

Ans: Hall ticket will generated once the slot selection process is over.

18. Difficulty in downloading the hall ticket.

Ans: Contact admissions@amrita.edu

14.0   IMPORTANT NOTES

1)   Please ensure that you are using the correct application form intended for AEEE-2017.

2)   NRI candidates shall give their address in India for correspondence.

3)   Ensure that you fulfill all the eligibility criteria given in Section 3.0 of the Information Handbook.

4)   Submit only one application form before the last date prescribed and the application must be complete in all respects. Incomplete applications are liable to be rejected.

5)   Application forms will be machine processed. The machine will read only fully darkened bubbles. Please see Section 5.1 of the Information Handbook before filling the application form.

6)   Options once selected in the application cannot be changed at a later date.

7)   Completed application form shall be sent only to the address given in Section 5.3 of the Information Handbook.

8)   The application fee and the counselling charge are not refundable.

9)   The Hon'ble courts at Coimbatore only shall have the jurisdiction to settle and decide all matters and disputes related to Amrita Entrance Examination-Engineering 2017.

15.0   FEE STRUCTURE

Table 15.1 B. Tech. Fee Structure for the Academic Year (2017-18)

SL. No	HEAD	FEES (₹)				
		TERM	AMRITAPURI	BENGALURU	COIMBATORE	CHENNAI
1	Tuition Fee	Annual	1,80,000	2,10,000	2,40,000	2,40,000
2	Caution Deposit	One time	10,000	10,000	10,000	10,000
	Total		1,90,000	2,20,000	2,50,000	2,50,000

Table 15.2 B. Tech. Hostel Fee for the Academic Year (2017-18)

SL. No	HEAD	FEES (₹)				
		TERM	AMRITAPURI	BENGALURU	COIMBATORE	CHENNAI
1	Room Rent + Establishment Charges	Annual	24,000	31,000	36,000	36,000
2	Mess Charges	Annual	39,000	44,000	47,000	47,000
3	Caution Deposit	One time	5,000	5,000	5,000	5,000
	Total		68,000	80,000	88,000	88,000

Table 15.3 One Time Counselling Charge for the Academic Year (2017-18)

SL. No	HEAD	FEES (₹)			
		AMRITAPURI	BENGALURU	COIMBATORE	CHENNAI
1	Counselling Charge (Non Refundable)	10,000	10,000	10,000	10,000

16.0   SCHOLARSHIP SCHEME FOR B.TECH. PROGRAMME 2017 -18

16.1   Scholarship Based on Rank in Amrita Entrance Examination-Engineering 2017

10% of students admitted are eligible for scholarship in the first year of B.Tech. study in each of the four campuses based on merit. This will be renewed in subsequent years as per the University rules. It is awarded as waiver of tuition fees ranging from 90% to 25% depending on the rank in the Amrita Entrance Examination-Engineering (AEEE) 2017.

(a)   Number of Scholarships awarded under this scheme will be as below:

Amritapuri Campus	48 Numbers
Bengaluru Campus	54 Numbers
Coimbatore Campus	102 Numbers
Chennai Campus	30 Numbers
Total:	**234 Numbers**

(b)   If a scholarship holder under this scheme (16.1) withdraws after the admission, the next rank holder would be eligible for the scholarship.

16.2.   Fee Waiver Based On High Ranks In State Board Exams and CBSE / ICSE Exams 2017.

(a)   The first 3 rank holders of all State Board Examinations are eligible for 90% waiver of Tuition Fees in all the 4 campuses.

(b)   The first 10 All India Rank Holders of CBSE and the first 10 All India Rank Holders of ICSE are also eligible for 90% waiver of Tuition Fees in all the 4 campuses.

(c)   In order to continue the fees waiver in the subsequent years under all the above schemes (Section 16.1 & 16.2), the student should maintain Grade Point Average (GPA) of 7.00 in each semester and satisfy the rules framed by the University for the purpose.

17.0   PREVENTIVE MEASURES AGAINST RAGGING

As per the orders of the Central and State Governments and the directives of the Hon'ble Supreme Court of India, precautionary steps are taken to pre-empt ragging in all the campuses, including the hostels. The students are regularly warned that they would be expelled from the institution with a reference to their offence in their Transfer Certificates and if required, they would be handed over to the local police. Posters are displayed warning them of the far-reaching consequences of indulging in ragging. Undertakings from the senior students are taken, countersigned by their parents that they would not indulge in such activities. Counselling is given to the second year students by the Dean-Engineering and Professor of Students Welfare.

Departmental anti-ragging committees with staff and students as members are formed to prevent, to find out and punish the wrong-doers. The non–teaching staff working in most of the service outlets and utilities and in the sports grounds in the campus and hostels are instructed to be on the lookout and inform of any sign of ragging or teasing.

The affected students can report in confidence to the Chairman-Council of Wardens and to the Professor-Students Affairs. Studying in Amma's institutions, the students have an ingrained sense of dignity, and respect for fellow students and this is responsible for the incident - free student life in our campuses.

18.0   ADMISSION ENQUIRIES

For all enquiries related to the Entrance Examination, and admission based on the Entrance Examination, please call 0422 – 2685 169 / 170 between 9:00 AM - 5:00 PM on working days or email your enquiry to admissions@amrita.edu

ANNEXURE-I
CITIES AND CITY CODES FOR COMPUTER BASED TEST (CBT) AND PEN & PAPER BASED TEST (P&P)

State	City	City Code	Mode of Exam (CBT / P&P)	
ANDAMAN & NICOBAR ISLAND	Port Blair	01	CBT	
ANDHRA PRADESH	Anantapur	02	CBT	
	Kakinada	03	CBT	
	Kurnool	04	CBT	
	Nellore	05	CBT	
	Tirupati	06	CBT	
	Vijayawada	07	CBT	
	Visakhapatnam	08	CBT	
	Tadepalligudem	09	CBT	
	Guntur	10	CBT	
ARUNACHAL PRADESH	Ita Nagar	11	CBT	
ASSAM	Guwahati	12	CBT	
	Silchar	13	CBT	
	Tezpur	14	CBT	
	Jorhat	15	CBT	
BIHAR	Patna	16	CBT	
	Bhagalpur	17	CBT	
	Gaya	18	CBT	
	Muzaffarpur	19	CBT	
CHANDIGARH	Chandigarh	20	CBT	
CHHATTISGARH	Bhilai	21	CBT	
	Raipur	22	CBT	
DELHI	Delhi	23	CBT	
GOA	Goa (Panaji)	24	CBT	
GUJARAT	Ahmedabad	25	CBT	
	Rajkot	26	CBT	
	Surat	27	CBT	
	Vadodara	28	CBT	
HARYANA	Gurgaon	29	CBT	
	Hisar	30	CBT	
	Kurukshetra	31	CBT	
HIMACHAL PRADESH	Shimla	32	CBT	
JHARKHAND	Dhanbad	33	CBT	
	Jamshedpur	34	CBT	
	Ranchi	35	CBT	

State	City	City Code	Mode of Exam (CBT / P&P)	
KARNATAKA	Bengaluru	36	CBT	P&P
	Davangere	37		P&P
	Hubli	38	CBT	
	Mangalore	39	CBT	
	Mysore	40	CBT	
	Raichur	41		P&P
	Shimoga	42		P&P
	Udupi	43		P&P
KERALA	Alappuzha	44		P&P
	Amritapuri	45	CBT	P&P
	Kalpetta	46		P&P
	Kannur	47	CBT	P&P
	Kasaragod	48		P&P
	Kochi	49	CBT	P&P
	Kollam	50		P&P
	Kottayam	51	CBT	P&P
	Kozhikode	52	CBT	P&P
	Malappuram	53		P&P
	Palakkad	54	CBT	P&P
	Pathanamthitta	55		P&P
	Thiruvananthapuram	56	CBT	P&P
	Thodupuzha	57		P&P
	Thrissur	58	CBT	P&P
MADHYA PRADESH	Bhopal	59	CBT	
	Gwalior	60	CBT	
	Jabalpur	61	CBT	
	Indore	62	CBT	
MAHARASHTRA	Mumbai	63	CBT	
	Nagpur	64	CBT	
	Pune	65	CBT	
	Nasik	66	CBT	
	Thane	67	CBT	
	Aurangabad	68	CBT	
MANIPUR	Imphal	69	CBT	
ODISHA	Bhubaneswar	70	CBT	
	Rourkela	71	CBT	
PUNJAB	Amritsar	72	CBT	
RAJASTHAN	Jaipur	73	CBT	
	Kota	74	CBT	
	Jodhpur	75	CBT	
	Udaipur	76	CBT	

State	City	City Code	Mode of Exam (CBT / P & P)	
TAMIL NADU	Chennai	77	CBT	P&P
	Coimbatore	78	CBT	P&P
	Cuddalore	79		P&P
	Dindigul	80		P&P
	Erode	81	CBT	P&P
	Hosur	82	CBT	P&P
	Karur	83		P&P
	Madurai	84	CBT	P&P
	Nagercoil	85	CBT	
	Namakkal	86	CBT	P&P
	Ooty	87	CBT	
	Puducherry	88	CBT	P&P
	Pudukkottai	89		P&P
	Salem	90	CBT	P&P
	Thanjavur	91	CBT	
	Tirunelveli	92	CBT	
	Tiruppur	93		P&P
	Trichy	94	CBT	P&P
	Tuticorin	95		P&P
	Vellore	96		P&P
	Pollachi	97	CBT	P&P
	Kancheepuram	98	CBT	P&P
	Thiruvannamalai	99	CBT	P&P
	Vengal	100	CBT	P&P
TELANGANA	Hyderabad	101	CBT	
	Khammam	102	CBT	
	Warangal	103	CBT	
UTTAR PRADESH	Agra	104	CBT	
	Allahabad	105	CBT	
	Lucknow	106	CBT	
	Varanasi	107	CBT	
	Noida	108	CBT	
	Kanpur	109	CBT	
UTTARAKHAND	Dehradun	110	CBT	
	Pant nagar	111	CBT	
WEST BENGAL	Kolkata	112	CBT	
	Durgapur	113	CBT	
	Siliguri	114	CBT	
			96	40

ANNEXURE – II
LIST OF STATES / UNION TERRITORIES WITH CODE NUMBER

State	Code
Andhra Pradesh	10
Arunachal Pradesh	11
Assam	12
Bihar	13
Chhattisgarh	14
Goa	15
Gujarat	16
Haryana	17
Himachal Pradesh	18
Jammu and Kashmir	19
Jharkhand	20
Karnataka	21
Kerala & Mahe	22
Madhya Pradesh	23
Maharashtra	24
Manipur	25
Meghalaya	26
Mizoram	27
Nagaland	28
Odisha	29
Punjab	30
Rajasthan	31
Sikkim	32
Tamil Nadu & Puducherry (UT)	33
Telangana	34
Tripura	35
Uttar Pradesh	36
Uttarakhand	37
West Bengal	38
UNION TERRITORIES	
Andaman and Nicobar Islands	39
Chandigarh	40
Dadra and Nagar Haveli	41
Daman and Diu	42
Lakshadweep	43
Delhi	44
Countries other than India	50

ANNEXURE - III
SYLLABUS FOR ENTRANCE EXAMINATION

(See university website for model questions)

MATHEMATICS

a) **COMPLEX NUMBERS**

Complex numbers in the form $a+ib$ and their representation in a plane. Argand diagram. Algebra of complex numbers, Modulus and argument (or amplitude) of a complex number, square root of a complex number. Cube roots of unity, triangle inequality.

b) **PERMUTATIONS AND COMBINATIONS**

Fundamental principle of counting; Permutation as an arrangement and combination as selection, Meaning of P(n,r)and C(n, r).Simple applications.

c) **BINOMIAL THEOREM**

Binomial theorem for positive integral indices. Pascal's triangle. General and middle terms in binomial expansions, simple applications.

d) **SEQUENCES AND SERIES**

Arithmetic, Geometric and Harmonic progressions. Insertion of Arithmetic, Geometric and Harmonic means between two given numbers. Relation between A.M., G.M. and H.M. Special series $\sum n$, $\sum n^2$, $\sum n^3$. Arithmetico-Geometric Series, Exponential and Logarithmic Series.

e) **MATRICES AND DETERMINANTS**

Determinants and matrices of order two and three, Properties of determinants. Evaluation of determinants. Addition and multiplication of matrices, adjoint and inverse of matrix. Solution of simultaneous linear equations using determinants .

f) **QUADRATIC EQUATIONS**

Quadratic equations in real and complex number system and their solutions. Relation between roots and co-efficients, Nature of roots, formation of quadratic equations with given roots.

g) **TRIGONOMETRY**

Trigonometrical identities and equations. Inverse trigonometric functions and their properties. Properties of triangles, including centroid, incentre, circumcentre and orthocentre, solution of triangles. Heights and distances.

h) **MEASURES OF CENTRAL TENDENCY AND DISPERSION**

Calculation of Mean, Median and Mode of grouped and ungrouped data. Calculation of standard deviation, variance and mean deviation for grouped and ungrouped data.

i) **PROBABILITY**

Probability of an event, addition and multiplication theorems of probability and their applications; Conditional probability; Bayes' theorem, Probability distribution of a random variate; Binomial and Poisson distributions and their properties.

j) **DIFFERENTIAL CALCULUS**

Polynomials, rational, trigonometric, logarithmic and exponential functions. Graphs of simple functions. Limits, Continuity; differentiation of the sum, difference, product and quotient of two functions. Differentiation of trigonometric, inverse trigonometric, logarithmic, exponential, composite and implicit functions; derivatives of order upto two. Applications of derivatives: Maxima and Minima of functions one variable, tangents and normals, Rolle's and Langrage's Mean Value Theorems.

k) **INTEGRAL CALCULUS**

Integral as an anti derivative. Fundamental integrals involving algebraic, trigonometric, exponential and logarithmic functions. Integration by substitution, by parts and by partial fractions. Integration using trigonometric identities. Integral as a limit of sum. Properties of definite integrals. Evaluation of definite integral;

Determining areas of the regions bounded by simple curves.

l) **DIFFERENTIAL EQUATIONS**

Ordinary differential equations, their order and degree. Formation of differential equation. Solutions of differential equations by the method of separation of variables. Solution of Homogeneous and linear differential equations, and those of type $d^2y/dx^2 = f(x)$.

m) **TWO DIMENSIONAL GEOMETRY**

Review of Cartesian system of rectangular co-ordinates in a plane, distance formula, area of triangle, condition for the collinearity of three points, slope of a line, parallel and perpendicular lines, intercepts of a line on the coordinate axes.

n) **THE STRAIGHT LINE AND PAIR OF STRAIGHT LINES**

Various forms of equations of a line, intersection of lines, angles between two lines, conditions for concurrence of three lines, distance of a point from a line. Equations of internal and external bisectors of angles between two lines, equation of family lines passing through the point of intersection of two lines, homogeneous equation of second degree in x and y, angle between pair of lines through the origin, combined equation of the bisectors of the angles between a pair of lines, condition for the general second degree equation to represent a pair of lines, point of intersections and angles between two lines.

o) **CIRCLES AND FAMILY OF CIRCLES**

Standard form of equation of a circle, general form of the equation of a circle, its radius and centre, equation of a circle in the parametric form, equation of a circle when the end points of a diameter are given, points of intersection of a line and circle with the centre at the origin and condition for a line to be tangent, equation of a family of circles through the intersection of two circles, condition for two intersecting circles to be orthogonal.

p) **CONIC SECTIONS**

Sections of cones, equations of conic sections (parabola, ellipse and hyperbola) in standard forms, conditions for $y = mx+c$ to be a tangent and point(s) of tangency.

q) **VECTOR ALGEBRA**

Vector and scalars, addition of two vectors, components of a vector in two dimensional and three dimensional space, scalar and vector products, scalar and vector triple product. Application of vectors to plane geometry.

r) **THREE DIMENSIONAL GEOMETRY**

Distance between two points. Direction cosines of a line joining two points. Cartesian and vector equation of a line. Coplanar and skew lines. Shortest distance between two lines. Cartesian and vector equation of a plane. Angle between (i) two lines, (ii) two planes, (iii) a line and a plane, and (iv) Distance of a point from a plane.

PHYSICS

a) **UNITS AND DIMENSIONS**

Units for measurement, system of units, SI, fundamental and derived units, dimensions and their applications.

b) **MECHANICS**

Motion in straight line, uniform and non-uniform motion, uniformly accelerated motion and its applications Scalars and Vectors, and their properties; resolution of vectors, scalar and vector products; uniform circular motion and its applications, projectile motion Newton's Laws of motion; conservation of linear momentum and its applications, laws of friction, Concept of work, energy and power; energy-kinetic and potential; conservation of energy; different forms of energy. Elastic collisions in one and two dimensions.

Center of mass of a many particle system; center of mass of a rigid body, rotational motion and torque. Angular momentum and its conservation. Moments of inertia, parallel and perpendicular axes theorem, moment of inertia for a thin rod, ring, disc and sphere.

Gravitation: Acceleration due to gravity and its properties. One and two dimensional motion under gravity. Universal law of gravitation, planetary motion, Kepler's laws, artificial satellite-geostationary satellite, gravitational potential energy near the surface of earth, gravitational potential and escape velocity.

c) SOLIDS AND FLUIDS

Solids: Elastic properties, Hooke's law, Young's modulus, bulk modulus, modulus of rigidity. Liquids: Cohesion and adhesion; surface energy and surface tension; flow of fluids, Bernoulli's theorem and its applications; viscosity, Stoke's Law, terminal velocity.

d) OSCILLATIONS AND WAVES

Periodic motion, simple harmonic motion and its equation, oscillations of a spring and simple pendulum.

Wave motion, properties of waves, longitudinal and transverse waves, superposition of waves, Progressive and standing waves. Free and forced oscillations, resonance, vibration of strings and air columns, beats, Doppler effect.

e) HEAT AND THERMODYNAMICS

Thermal expansion of solids, liquids and gases and their specific heats, relationship between Cp and Cv for gases, first and second laws of thermodynamics , Carnot cycle, efficiency of heat engines. Transference of heat; thermal conductivity; black body radiations, Kirchoff's law, Wein's Law, Stefan's law of radiation and Newton's law of cooling.

f) ELECTROSTATICS,CURRENT ELECTRICITY AND MAGNETOSTATICS

Coloumb's law, dielectric constant, electric field, lines of force, field due to dipole, electric flux, Gauss's theorem and its applications; electric potential, potential due to a point charge; conductors and insulators, distribution of charge on conductors; capacitance, parallel plate capacitor, combination of capacitors, energy stored in a capacitor.

Electric current: Cells-primary and secondary, grouping of cells; resistance and specific resistivity and its temperature dependence. Ohm's law, Kirchoff's Law. Series and parallel circuits; Wheatstone's Bridge and potentiometer with their applications.

Heating effects of current, electric power, concept of thermoelectricity-Seebeck effect and thermocouple; chemical effect of current- Faraday's laws of electrolysis.

Magnetic effects: Oersted's experiment, Biot Savert's law, magnetic field due to straight wire, circular loop and solenoid, force on a moving charge in a uniform magnetic field (Lorentz force), forces and torques on a current carrying conductor in a magnetic field, force between current carrying wires, moving coil galvanometer and conversion to ammeter and voltmeter.

Magnetostatics: Bar magnet, magnetic field, lines of force, torque on a bar magnet in a magnetic field, earth's magnetic field; para, dia and ferro magnetism, magnetic induction, magnetic susceptibility.

g) ELECTROMAGNETIC INDUCTION AND ELECTROMAGNETIC WAVES

Induced e.m.f., Faraday's law, Lenz's law, self and mutual inductance; alternating currents, impedance and reactance, power in ac; circuits with L C and R series combination, resonant circuits, transformer and AC generator. Electromagnetic waves and their characteristics; electromagnetic spectrum from gamma to radio waves.

h) RAY AND WAVE OPTICS

Reflection and refraction of light at plane and curved surfaces, total internal reflection; optical fiber; deviation and dispersion of light by a prism; lens formula, magnification and resolving power; microscope and telescope, Wave nature of light, interference, Young's double experiment; thin films, Newton's rings. Diffraction: diffraction due to a single slit; diffraction grating, polarization and applications.

i) MODERN PHYSICS

Dual nature of Radiation - De Broglie relation, photoelectric effect, Alpha particle scattering experiment, atomic masses, size of the nucleus; radioactivity, alpha, beta and gamma particles/rays. Radioactive decay law, half life and mean life of radio active nuclei; Nuclear binding energy, mass energy relationship, nuclear fission and nuclear fusion.

Energy bands in solids, conductors, insulators and semiconductors, pn junction, diode, diode as a rectifier, transistor action, transistor as an amplifier.

CHEMISTRY

a) BASIC CONCEPTS

Atomic and molecular masses, mole concept and molar mass, percentage composition, empirical and molecular formula, chemical reactions, stoichiometry and calculations based on stoichiometry.

b) ATOMIC STRUCTURE, CHEMICAL BONDING AND MOLECULAR STRUCTURE

Bohr's model, de Broglie's and Heisenberg's principles, Quantum mechanical model, Orbital concept and filling up of electrons; Bond formation and bond parameters; Valence bond and molecular orbital theory; VSEPR theory; Hybridization involving s, p and d orbital; Hydrogen bond.

c) EQUILIBRIUM AND THERMODYNAMICS

Law of chemical equilibrium and Equilibrium Constant; Homogeneous and Heterogeneous equilibria; LeChatelier's principle, Ionic equilibrium; Acids, Bases, Salts and Buffers; Solubility product;

Thermodynamic state; Enthalpy, Entropy and Gibb's free energy; Heats of reactions; Spontaneous and nonspontaneous processes.

d) ELECTROCHEMISTRY, KINETICS AND SURFACE CHEMISTRY

Specific, molar and equivalent conductance of weak and strong electrolytes; Kohlrausch law; Electrochemi cal cells and Nernst equation; batteries, fuel cells and corrosion

Rate of a reaction and factors affecting the rate: Rate constant, order and molecularity, collision theory.

Physisorption and chemisorptions; colloids and emulsions; homogeneous and heterogeneous catalysis.

e) SOLID STATE AND SOLUTIONS

Molecular, ionic, covalent and metallic solids; amorphous and crystalline solids; crystal lattices and Unit cells; packing efficiency and imperfections; electrical and magnetic properties. Normality, molarity and molality of solutions, vapour pressure of liquid solutions; ideal and non-ideal solutions, colligative proper-ties; abnormality.

f) HYDROGEN

Position of hydrogen in the periodic table; dihydrogen and hydrides- preparation and properties; water, hydrogen peroxide and heavy water; hydrogen as a fuel.

g) S - BLOCK ELEMENTS

Group 1 and 2 Alkali and Alkaline earth elements; general characteristics of compounds of the elements; anomalous behavior of the first element; preparation and properties of compounds like sodium and calcium carbonates, sodium chloride, sodium hydroxide; biological importance of sodium, potassium and calcium.

h) P - BLOCK ELEMENTS

Groups 13 to 17 elements: General aspects like electronic configuration, occurrence, oxidation states, trends in physical and chemical properties of all the families of elements; compounds of boron like borax, boron hydrides and allotropes of carbon; compounds of nitrogen and phosphorus, oxygen and sulphur; oxides and oxyacids of halogens.

i) D, F - BLOCK ELEMENTS

Electronic configuration and general characteristics of transition metals; ionization enthalpy, ionic radii, oxidations states and magnetic properties; interstitial compounds and alloy formation; lanthanides and actinoids and their applications.

j) CO-ORDINATION COMPOUNDS

Werner's theory and IUPAC nomenclature of coordination compounds; coordination number and isomerism; Bonding in coordination compounds and metal carbonyls and stability; application in analytical methods, extraction of metals and biological systems.

k) BASIC ORGANIC CHEMISTRY AND TECHNIQUES

Tetravalence of carbon and shapes or organic compounds; electronic displacement in a covalent bond inductive and electromeric effects, resonance and hyperconjugation; hemolytic and heterolytic cleavage of covalent bond free radicals,

carbocations, carbanions electrophiles and nucleophiles; methods of purification of organic compounds; qualitative and quantitative analysis.

l) **HYDROCARBONS, HALOALKANES AND HALOARENES**

Alkanes, alkenes,alkynes and aromatic hydrocarbons; IUPAC nomenclature, isomerism; conformation of ethane, geometric isomerism, general methods of preparation and properties, free radical mechanism of halogenations, Markownikoff's addition and peroxide effect; benzene, resonance and aromaticity, substitution reactions; Nature of C-X bond in haloalkanes and haloarenes; mechanism of substitution reactions.

m) **ALCOHOLS, PHENOLS AND ETHERS**

IUPAC nomenclature, general methods of preparation, physical and chemical properties, identification of primary, secondary and tertiary alcohols, mechanism of dehydration; electrophillic substitution reactions.

n) **ALDEHYDES, KETONES, CARBOXYLIC ACIDS AND AMINES**

Nomenclature, general methods of preparation, physical and chemical properties of the group members; nucleophilic addition and its mechanism; reactivity of alpha hydrogen in aldehydes; mono and dicarboxylic acids-preparation and reactions; identification of primary, secondary and tertiary amines; preparation and reactions of diazonium salts and their importance in synthesis.

o) **POLYMERS AND BIOMOLECULES**

Natural and synthetic polymers, methods of polymerization, copolymerization, molecular weight of polymers, Polymers of commercial importance,Carbohydrates: mono, oligo and polysaccharides; Proteins Alpha amino acid, peptide linkage and polypeptides: Enzymes, Vitamins and Nucleic acids (DNA and RNA)

p) **ENVIRONMENTAL CHEMISTRY**

Air, water and soil pollution, chemical reactions in atmosphere, acid rain; ozone and its depletion; green house effect and global warming; pollution control.

q) **CHEMISTRY IN EVERYDAY LIFE**

Drugs and their interaction; chemicals as analgesics, tranquilizers, antiseptics, antibiotics, antacids and antihistamines; Chemicals in food- preservatives, artificial sweetening agents; cleansing agents – soaps and detergents.

ANNEXURE - IV

INSTRUCTIONS ON QUESTION PAPER

AMRITA VISHWA VIDYAPEETHAM
(University established u/s 3 of UGC Act 1956)
Amrita Entrance Examination – Engineering

PHYSICS, CHEMISTRY & MATHEMATICS

Question Booklet **Version Code**	**A**	Question Booklet No.	**101240**	Time: **2½ Hrs**
Number of Pages	**20**	Number of Questions	**100**	Max. Marks: **300**

Name of the Candidate	
Registration Number	
Signature of the Candidate	

INSTRUCTIONS TO THE CANDIDATES

GENERAL

1. Any malpractice or attempt to commit malpractice in the examination hall will lead to disqualification of the candidate.

2. Candidates are not allowed to carry any textual material, printed or written bits of paper, Mathematical and Physical Tables, Electronic gadgets like tablet, calculator, cell phone, etc. into the examination hall.

3. Candidates shall possess the Amrita Entrance Examination – Engineering Hall Ticket which should be produced on demand.

4. Candidates shall occupy the respective seats bearing their registration numbers.

5. Candidates shall sign the attendance sheet available with the invigilator.

6. **Candidates are not permitted to leave the hall before the end of the examination.**

7. **Candidates are required to handover the ANSWER SHEET and the QUESTION BOOKLET to the invigilator before leaving the hall.**

8. *After submitting the answer sheet, candidates are required to affix their left thumb impression on the attendance sheet available with the invigilator.*

QUESTION BOOKLET

9. **DO NOT OPEN THIS SEALED BOOKLET UNTIL THE INVIGILATOR ANNOUNCES TO DO SO.**

10. **Before opening the Question Booklet,** write the Name, Registration Number and Signature using ball pen in the space provided at the top of this page.

11. **Immediately after opening the booklet,** examine whether it contains all the 100 questions in serial order and 20 pages as mentioned at the top of this page. In case of unprinted, torn or missing pages, the matter should be reported to the invigilator immediately.

12. Rough work may be done on the space provided in this booklet.

(Continued on the last page)

SEAL

(continued from the first page)

OMR ANSWER SHEET

13. Use the OMR answer sheet carefully; no spare sheet will be issued under any circumstance.

14. Do not fold or make any stray mark on the OMR sheet.

15. Use HB Pencil or Black ball point pen for shading the bubbles and ball point pen for writing.

16. In the OMR answer sheet, make the following entries

    a. Write the Registration Number, Question Booklet Number and Question Booklet Version code using ball point pen.

    b. Fill the ovals corresponding to the Registration Number, Question Booklet Number and Question Booklet Version Code using HB pencil / ball point pen.

    c. Write your Name and Signature using ball point pen.

17. Rough work should not be done on the answer sheet.

ANSWERING AND EVALUATION

18. For each question, four answers are suggested of which only one is correct / most appropriate. Mark the correct / most appropriate answer by darkening the corresponding bubble using HB pencil or Black ball point pen.

19. In case the candidate wishes to change the choice already shaded using HB pencil, he/she may erase the marking completely and thereafter shade the alternative bubble. If ball point pen is used for shading the ovals, make sure of the answer before shading since such markings cannot be altered.

20. If more than one bubble is darkened against a question, it will be treated as an incorrect answer.

21. For each correct answer, three marks will be awarded.

22. **For each incorrect answer, one mark will be deducted from the total score.**

23. If any smudge is left on the OMR sheet, evaluation will become imperfect.