Vel Tech

Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)

VTUEEE 2019

(Vel Tech Undergraduate Engineering Entrance Examination-2019)

COMPUTER BASED TEST (CBT)
&
PAPER AND PEN TEST (PPT)

INFORMATION BROCHURE

PHASE - I

VTUEEE 2019 CBT Date of Examination - 29th & 30th December 2018
[2018 fee structure]
VTUEEE 2019 PPT Date of Examination - 26th & 27th January 2019
[2018 fee structure]

PHASE - II

VTUEEE 2019 PPT / CBT Date of Examination - 25th-28th April 2019
[2019 Revised fee structure]

DECLARATION OF RESULTS

PHASE – I - 15th February 2019
PHASE – II - 5th May 2019

*For details regarding Counselling dates & Programme commencement date,
Please visit our website

CONTENTS

CHECK LIST

Other enclosures

- Application Form
- Envelope to despatch the Application Form
- Self-addressed Acknowledgement Card
- Prospectus

1. INTRODUCTION

1.1. VTUEEE 2019 is a Vel Tech Undergraduate Engineering Entrance Examination for Scholarship which is conducted by Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology for the award of Mahatma Gandhi National Merit Scholarship for four year B.Tech. Degree Programmes of the Institution.

1.2. Care has been taken to provide equal opportunity to all students across the country in view of different School Boards at 10+2 (Class – XII) Level. The question paper shall be based on JEE main 2019 syllabus.

See Appendix I

1.3. Application forms for VTUEEE 2019 are available online. Refer to www.veltech.edu.in

1.4. The list of B.Tech. Degree Programmes offered by the Institution are enlisted in Appendix II.

1.5. For the purpose of this Examination:

i. "VTUEEE 2019" means "Vel Tech Undergraduate Engineering Entrance Examination for Scholarship."

ii. "Qualifying Examination" means "Examination based of which the candidate becomes eligible to apply for admission to various B.Tech Degree Programmes".

iii. "Rules" means "The rules specified by the Institution for the Conduct of VTUEEE 2019."

iv. SC, ST means "Scheduled Castes" and "Scheduled Tribes" as specified and laid down by the Government of India.

v. MBC means Most Backward Classes and OBC means "Other Backward Classes as specified and laid down by the Government of India or by the respective States/UTs as the case may be."

vi. PC means "Physically Challenged person as specified and laid down by the Government of India or the respective States/UTs, as the case may be."

1.6. Phase-I: All candidates who appear for the VTUEEE 2019 CBT dated 29th & 30th December 2018 and PPT dated 26th & 27th January 2019 shall avail the benefit of 2018 Fee Structure

Phase-II: All candidates who appear for the VTUEEE 2019 dated 25th - 28th April 2019 shall follow the revised Fee Structure of 2019.

Qualifying Examination based concession:
Based on the score obtained in the qualifying examination, candidates will get concession in the form of Mahatma Gandhi National Merit Scholarship.

For more details refer to the Scholarship page.

VTUEEE 2019 Rank based concession:

Based on the rank obtained in VTUEEE 2019, candidates will get concession in the form of Mahatma Gandhi National Merit Scholarship. Candidates can avail the Scholarship calculated based on MPC Aggregate / VTUEEE 2019 ranking whichever is higher

2. ELIGIBILITY CRITERIA

(A) Admission to B.Tech Degree Programmes

2.1. Qualifying Examination

In addition to the Government norms, candidates who seek admission to B.Tech degree Programmes should have either completed or appearing for, any one of the following examinations; 10+2 system of Higher Secondary Examination conducted by any State Board, Central Board of Secondary Education (CBSE, New Delhi); The Council for the Indian School Certificate Examinations (CISCE, New Delhi); National Institute of Open Schooling; Intermediate or two-year Pre-University Examination conducted by a recognized Board/University; High School Certificate Examination of the University of Cambridge or equivalent.

(B) Eligibility Criteria

2.2. A pass in +2 (or its equivalent).

2.3. Those appearing for 10+2 (Class XII) final or equivalent examination in March/April/May 2019 can appear for VTUEEE 2019.

2.4. For the purpose of consideration for award of the Mahatma Gandhi National Merit Scholarship, the State from which the candidate has studied and appeared for the qualifying examination (12th standard examination of the State or Central Board) will be taken as the state to which the candidate belongs, even though the nativity of the candidate may be another State or Union Territory.

3. AGE LIMIT AND AGE RELAXATION

3.1. Candidates who have not completed **25 years of age as on 1st July of the year in which admission is sought** are eligible.
However, in case of Scheduled Caste (SC), Scheduled Tribe (ST) and Physically Challenged (PC) candidates, age limit shall be relaxed by 5 years.

3.2. Date of birth as recorded in the Secondary Education Board/University certificate only will be taken as authentic.

3.3. Age relaxation up to six months may be granted by the Authority of the University in specific cases.

4. SUBJECT COMBINATIONS REQUIRED

As prescribed by the All India Council for Technical Education (AICTE) & University Grants Commission (UGC), the candidate must have passed 10 + 2 or its equivalent with Mathematics, Physics and Chemistry as compulsory subjects for admission to any branch of **B.Tech Degree Programmes.**

5. SCHEME OF EXAMINATION
COMPUTER BASED TEST (CBT) - VTUEEE 2019
PAPER AND PEN TEST (PPT) - VTUEEE 2019

The question paper pattern will be similar to JEE Mains exam
- Duration of exam is 3 hours (180 minutes).
- The question paper consists of 90 questions.
- The VTUEEE 2019 question paper is expected to consist of 90 questions. The maximum marks are 360.
- There are three parts in the question paper A,B,C consisting of Physics, Chemistry and Mathematics having 30 questions in each part of equal weightage .
- Each question is allotted 4(four) marks for correct response.
- Candidates will be awarded marks as stated for correct response. ¼ (one fourth) marks will be deducted for indicating incorrect response of each question. No deduction from the total score will be made if no response is indicated for an item in the answer sheet.
- There is only one correct response for each question. Filling up more than one response in any question will be treated as wrong response and marks for wrong response will be deducted.

6. SCHEDULE OF EXAMINATION

6.1. VTUEEE 2019

PHASE-I:
COMPUTER BASED TEST
Date of Examination - 29th & 30thDecember 2018
(2018 Fee Structure)
PAPER AND PEN TEST
Date of Examination - 26th & 27th January 2019

PHASE-II:
PAPER AND PEN TEST

COMPUTER BASED TEST
Date of Examination   - 25th-28th April 2019
(2019 Revised Fee Structure)

Time slot will be indicated in the hall ticket

6.2. Exemption from VTUEEE 2019

Those students who secured first rank in +2 examination conducted by the respective States will be admitted directly into the course of their choice, subject to eligibility, with full scholarship to the value of 100% of the tuition fee and hostel fee for the entire duration of the course.

6.3.
Only those who have appeared for VTUEEE 2019 examination and admitted to any of the B.Tech Programmes are eligible for Mahatma Gandhi National Merit Scholarship.

6.4.
Candidates who missed the opportunity to appear for VTUEEE 2019 on the scheduled date of examination for any reason whatsoever, including loss of application form/Hall Ticket in transit, re-examination shall not be conducted. The schedule, once announced, will remain unaltered.

7. QUESTION PAPER SHALL BE PROVIDED IN ENGLISH LANGUAGE ONLY.

8. APPLICATION PROCEDURE

8.1. Application Fee: Rs. 950/-

8.2. How to Apply?

Candidates can apply Online or Offline to Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology

Option 1: Online Application Form:
Candidate can visit www.veltech.edu.in to apply online. Application fee can be paid through Net Banking / Credit Card / Debit Card/ Paytm wallet.

Option2: Offline Application Form:
Candidate can send in a Demand draft for Rs.950/- drawn in favour of " Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology", payable at Chennai, to The Director - UG Admission along with a requisition letter containing the full address of the applicant.

(or)

1. Purchase the Application forms from the Regional Offices of Vel Tech on cash payment of Rs.950/-.

   The address of Regional Offices are presented in the website.

(or)

2. By handing over a DD for Rs.950 /- in person at Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Avadi, Chennai.
   Please send in the filled Application form only to the University Address:

The Director - UG Admission
Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology
No.42, Avadi-Vel Tech Road,
Avadi, Chennai – 600 062, Tamil Nadu, India.
Toll Free Number: 1800 3070 6949
Email : admission@veltech.edu.in

8.3. Candidates applying online are required to retain a photocopy of the filled-in form, and a copy of mode of remittance of Application-cum-Examination Fees.

8.4. Request for change/correction in the application form submitted by the candidate will not be entertained under any circumstances. The Institution shall not be responsible for any consequences arising out of non-acceptance of any reason. Candidates are advised to take utmost care while filling in the details and reconfirm the same before despatching the same.

8.5. Incomplete or overwritten Application form, shall be rejected.

8.6. **Administrative Offices and Contact Numbers**
Chennai Head Office:
Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology
'Santhi Sudha',
38, ABM Avenue, (Opp. Crowne Plaza Hotel),
R.A.Puram, Chennai-600 028. Tamil Nadu, India.

Chennai Regional Office:
Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology
No:34, Gandhi Mandapam Road (Next to SBI),
Kotturpuram, Chennai-600 085
Tamil Nadu, India.
Toll Free Number: 1800 3070 6949

Delhi Regional Office:
Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology
A 3/2, Vasanth Vihar,
New Delhi-110 057,
Phone: +91-11-26143064
Mobile: 095603 20110

Hyderabad Regional Office:
Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology
Door No: 8-2-161,V floor, Dynamic Chamber,
Lane Next to PVR NEXT GALLERIA MALL, Srinagar Colony Road, opp to Metro Railway Station, Panjagutta, Hyderabad, Telugana State-India.
Mobile: 097037 60374 / 089776 38326

Kurnool Regional Office:
Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology
D.No.:51-14-5A1,
1 Floor, opp-AP Transco,
Beside Andhra Bank, New Bus stand, Kurnool, AP
Phone: 077999 04940
Landline: 08518 -257940 / 258940

Tirupati Administrative Office:
Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology
Chakra toweres, 3rd floor, Above dena bank,
Beside Vegetable Market , opp: Mee -seva .,
Tuda road , Thirupati -517501
AndhraPradesh,India.
Mobile: 077999 04938
Phone: 0877 2222 476/473

Vijayawada Administrative Office:
Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology
Door No.39-14-2, Uttam Towers, II Floor,
Opp to Gateway Hotel, M.G Road, Labbipet
Vijayawada - 520 010.
Phone: +91 866 2497 255/355/455,
Mobile: 082200 92469 / 090031 07000

Rajahmundry Administrative Office:
Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and TechnologyII Floor, D.No: 36-10-27 ,
Syamala Theatre, Stadium Road Corner T.Nagar,
Rajahmundry East Godavari
Andhra Pradesh - 533 101.
Phone: 082200 92467
Landline: 0883 - 2482199

Nellore:
Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology
D.No: 16-1-190 & 187 ,
II Floor, OPP. Nirmala Agencies,
A.C. Center, Trunk Road,
Nellore – 524 001, Andhra Pradesh.
Mobile : 097903 29208

Visakhapatnam Administrative Office:
Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology
D.No: 47-10-21/18, IV Floor,
Isnar Plaza, Opp ICICI Bank,
Dwarakanagara Main Road,
Visakhapatnam – 530 016, India.
Mobile : 082200 92466

Kanpur Administrative Office:
Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology
1 Floor D7(Road side flat),
Udeay Plaza, House. No 117 / N / 76,
Kakadeo, Kanpur-208025.
Phone : 979031 2780

Patna Office:
Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology
Kulhariya Palace, 102, 1 Floor above Bazar India
Beside BN College,
Ashok Raj Path, Patna- 800004
Phone: 097910 68989

8.7. Admission for Foreign students, please visit our website : www.veltech.edu.in

9. EXAMINATION CENTRES (PPT / CBT)

Candidates are required to select the Centres (PPT/ CBT) most convenient to them. While every effort will be made to allot the Centre opted by the candidate, the Institution reserves its discretion to allot a Centre other than that of candidate's choice. Under any circumstances, the Centre once allotted, will not be changed by the Institution. List of cities where the examination will be conducted are given in Section 9.

10. HALL TICKET

10.1. The Hall Ticket will be sent by post "Under Certificate of Posting (UCP)" to the candidate (including those who applied online) about two weeks before the conduct of the examination; however, the Institution will not be responsible for any consequences that may arise due to loss of Hall Ticket in transit or non-delivery of the same.

10.2. The e-hall ticket will be available for candidates online at www.veltech.edu.in, it can downloaded by entering their application number and password generated during registration.

10.3. It will be the responsibility of the candidate to contact helpline (see 8.6 above)/write to the Institution in case he/she has not received the Hall Ticket at least 15 days prior to the date of the examination.

10.4. Such requests must be sent to Director - UG Admission/Admission Officer (VTUEEE 2019), with two photographs (as same as affixed on the Application Form). Photocopy of the Application Form, proof regarding remittance of fee (photocopy of the Demand Draft/ Challan) in respect of those candidates who have submitted applications online, and the original postal receipt issued by the Post Office for having despatched the Application Form by Registered/Speed Post in order to get the duplicate Hall Ticket.

11. PROCEDURE FOR CONDUCT OF EXAMINATION AND USE OF ANSWER SHEET

Procedure for conduct of examination and instructions for use of the Test Booklet and Answer Sheet are given below. Candidates are advised to go through these instructions carefully before going for the Examination.

A. PROCEDURE TO BE FOLLOWED IN CONDUCT OF VTUEEE 2019 PAPER AND PEN TEST(PPT)

11.1. The Examination Rooms/Halls will be opened 30 minutes before the commencement of the examination. Candidates should take their seats immediately after opening of the Examination Hall. If the candidates do not report on time, they are likely to miss some of the general instructions that may be announced in the Examination Hall.

11.2. Every candidate should produce the Hall Ticket for entry into the Examination Hall.

A candidate who does not possess the Hall Ticket issued by the Institution shall not be permitted for the examination under any circumstances by the Centre Superintendent.

11.3. Seating will be allocated to each candidate as per their roll number.

11.4. Candidates should report before 30 minutes prior to the examination

11.5. Candidates will not be permitted to leave the Hall before 30 minutes of completion of examination

11.6. Candidates are not allowed to carry any Textual material, Calculators, Dock Pen, Slide Rules, Log Tables, Electronic Watches with facilities of calculator, printed or written material, bits of papers, mobile phone, or any other device, except the Hall Ticket

11.7. No candidate, without the special permission of the Centre Superintendent or the Invigilator concerned, will leave his/her seat or Examination Room before 1.00 p.m. Candidates should not leave the room/hall without handing over their Answer Sheet and Examination Booklet to the Invigilator on duty.

11.8. Candidates are advised to bring with them an exam pad.

11.9. Smoking in the Examination Hall/Room is strictly prohibited.

11.10. Tea, coffee, cold drinks or snacks are not allowed to be taken inside the examination rooms during examination hours.

11.11. Ten minutes before the commencement of the examination paper, each candidate will be given a sealed booklet with an Answer Sheet.

11.12. On receipt of the Examination Booklet the candidates will fill in the required particulars on the cover page of the Examination Booklet with Black Ballpoint Pen only.

11.13. The Candidates will be permitted to open the exam booklet before 5 minutes of the scheduled start time. Candidates should ensure the code printed on both question and answer booklets match. In case of discrepancy the candidate should report to the Invigilator for replacement.

11.14. Shade your answers using Black Ballpoint pen only.

B. PROCEDURE TO BE FOLLOWED IN CONDUCT OF VTUEEE 2019 COMPUTER BASED TEST(CBT)

THE SALIENT FEATURES OF THE COMPUTER BASED TEST ARE:

- This is a real time online examination, where the computers are connected to a server, the encrypted examination is conducted via a secured and reliable connection .The candidates will answer the exam questions by the click of the mouse.

- The pattern of this examination will be via multiple choice questions with four options each with only one correct option. Candidate should click on the correct option and submit to proceed to the next question . The candidate can navigate freely to the previous questions.

12. EVALUATION AND DECLARATION OF RESULTS

12.1. Merit List
A rank list will be prepared based on the total marks secured in the VTUEEE 2019.

12.2. Announcement of Result
The test results will be available in the website: www.veltech.edu.in for Phase-I on 15th February 2019 or as per the notification.
For Phase-II on 5th May 2019 or as per the notification.

12.3. An email intimating the rank will be sent to the candidate. The results will not be intimated via post. There is no provision for re-grading or re-totaling. Photocopies of the answer sheets will not be available. Any correspondence in this regard will not be entertained.

13. COUNSELLING, SEAT ALLOCATION, DOCUMENTS VERIFICATION AND ADMISSIONS

13.1. Counselling for branch allocation for the short-listed candidates based on the merit list.

13.2. Details regarding Counselling will be available in the Institutions website from the day after the declaration of results of VTUEEE 2019. Candidates can also contact the Admission Officer from the day after the declaration of results of VTUEEE 2019 for more information.

13.3. To take care of possible absentees, the number of qualified candidates is kept more than the number of seats available in the Institution. This will depend upon the candidate's rank in the examination and the availability of seats.

13.4. Details of various branches offered under the B.Tech. Programme in the current year, the total number of seats allocated for each branch, the number of seats already allotted and the number of seats still available will be displayed at the counselling centre for the benefit of candidates to make their choice. Based on the availability, the candidate will be allotted the branch.

13.5. The Insitution will not be responsible for counselling information not reaching the candidates. They are advised to check our website: www.veltech.edu.in regarding information on counselling.

13.6. No change of date/time of counselling is permissible. If a candidate does not personally appear before the Admission Committee for counselling on the date specified, his/her seat shall be offered to the next candidate in order of merit.

13.7. However, due to unforeseen reasons, if a candidate is unable to attend the counselling on the specified date and time, he/she can attend on a subsequent time/date, after duly intimating the Admission Office, regarding the same. But the candidate can only opt for the branch available at that time and cannot claim for any other branch as per his/her original rank/seniority.

13.8. After the counselling for a particular day is over, the number of seats (branch wise) still available will be allotted during the consecutive days.

13.9. If the mark statement of the qualifying examination has not been received before the date of counselling, the candidate would have to furnish an undertaking stating that if he/she fails to qualify as per the norms, the candidate has to forego his/her seat.

13.10. A candidate should decide for certain on whether he/she should join the programme based on the branch allotted to him/her at the time of counselling before the payment of the fee.

13.11. Once allotment of branch is finalised, change of branch will not be encourged under any circumstances.

13.12. The balance fee payable can be paid online using Net Banking / Debit Card/ Credit Card at www.veltech.edu.in and also in the form of a DD drawn in favour of "Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology", payable at Chennai along with a covering letter to reach the Admission Office or before the date specified in the admission card. The candidate should write his/her name and the branch allotted at the time of counselling on the backside of the DD.

14. SCHOLARSHIP

There are more than 300 Scholarships and grants available for the Institutions students ranging from four year 100% Scholarships on tuition, boarding and lodging to 10% Concession in tuition fee. For details see Appendix IV.

15. REFUND

15.1. By the direction of UGC, in the event of a candidate withdrawing before the starting of the programme, the wait listed candidates shall be given admissions against the vacant seat. The entire fee collected from the student, after a deduction of the processing fee shall be refunded.

15.2. The programme fee should be paid in the beginning of the academic year. Those who wish to discontinue and apply for T.C. in the middle of the Degree programme, shall have to remit the entire programme fee of the residual period of study and after issuing T.C, Students cannot claim any amount from the Institution as per the High Court Order.

15.3. NO ONE IN THE INSTITUTION IS AUTHORISED TO EITHER PAY OR RECEIVE CASH FOR ANY PURPOSE.

16. RULES FOR RESERVATION

Reservation for SC/ST/OBC and Physically Challenged candidates will be applicable as per the rules of Government of India for the time being.

17. FEE STRUCTURE FOR CANDIDATES THROUGH COUNSELLING

Annual Fees payable for B.Tech Programmes (in Indian Rupees)

CANDIDATES WHO APPEAR FOR VTUEEE - 2019 - PHASE-I CAN AVAIL THE BENEFIT OF 2018 FEE STRUCTURE.

Branch of study	Annual Tuition Fee only	Additional Fee		Total Payable Annually
		Academic & Career Advancement Fee	+ Exam Fee	
All Programmes	1,70,000	15,000	5,000	1,90,000

Caution Deposit: Rs.5,000/- payable during admission, will be refunded at the end of the programme.

+ Applicable for all the subjects of each semester for the first attempt only. The examination fees for arrears and improvement are to be paid separately.

CANDIDATES WHO APPEAR FOR VTUEEE 2019 - PHASE-II WILL ADHERE TO 2019 FEE STRUCTURE.

Branch of study	Annual Tuition Fee only	Additional Fee		Total Payable Annually
		Academic & Career Advancement Fee	+ Exam Fee	
All Programmes	1,90,000	15,000	5,000	2,10,000

Caution Deposit: Rs.5,000/- payable during admission, will be refunded at the end of the programme.

+ Applicable for all the subjects of each semester for the first attempt only. The examination fees for arrears and improvement are to be paid separately.

YEARLY HOSTEL FEES

Hostel Board & Lodging	82,700
Hostel Admission Fee	5,000
Hostel Caution Deposit	5,000

\# Higher fee applicable for deluxe and super deluxe accommodation. For more details visit our website.

18. **LEGAL JURISDICTION**

All disputes pertaining to the conduct of VTUEEE 2019 shall fall within the jurisdiction of Chennai only. The Registrar of the Institution shall be the legal person in whose name the Institution may sue or may be sued.

19. **INSTRUCTIONS FOR COMPLETING AND SENDING THE APPLICATION FORM**

The candidate seeking admission to VTUEEE 2019 is required:-

i. To go through the Information Brochure carefully and acquaint with all the requirements.

ii. Satisfy eligibility to appear in the examination.

iii. Obtain the prescribed Application Form online or offline or by post from the Director - UG Admissions, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology

iv. Share complete mailing address with Postal Pin code in the Application Form in capital letters only.

v. Fill in the Application Form in BLOCK LETTERS only, using black ballpoint pen, within the space provided.

vi. Furnish DD details correctly in case of downloaded application.

19.1. **Avoid** Overwriting, cutting, erasing, using correction fluid in the Application Form. Incomplete form may lead to rejection. Any error arising on this account shall be the responsibility of the candidate.

19.2. The Application Form duly filled in should be sent to THE **DIRECTOR -UG ADMISSIONS, VTUEEE 2019,** in the printed envelope supplied by the Institution, so as to reach positively on or before the last date by Registered or Speed Post only. The candidate must secure a stamped and signed acknowledgement when presenting an Application Form in person at Vel Tech Admission Office. The candidate must retain a photocopy of his/her filled in Application Form for future correspondence

19.3. If a candidate submits more than one Application Form, the latest will be taken into consideration and others will automatically stand rejected without refund of fee.

19.4. **Fill in the Application Form, with the correct details.**

Please read carefully the explanations, illustrations and codes given below before filling in or shading circles for various items in the application form

Important: Please choose the choice of examination as A or B and shade the appropriate box. Please shade your mode of examination in the appropriate box PPT or CBT

Please shade your mode of examination in the appropriate box PPT or CBT

(A) Point No. 1 of theApplication Form: (NAME OF THE CANDIDATE)

Candidate should write his/her name in capital letters as given in **Class X/XII Certificates of Board/University.** Each letter should be filled in one box as shown below. One box should be left blank between each part of the name and shaded accordingly.

Candidate's Name: M . ASHOK KUMAR JOSH

M	.	A	S	H	O	K		K	U	M	A	R		J	O	S	H

Point No. 2 of the Application form: - (DATE OF BIRTH)

Write and darken the appropriate box for the date, month and year of birth as per English calendar and as recorded in the Secondary Education Board/ University Certificate.
Use numerals 01 to 31 for the date, 01 to 12 for the month and 4 digits for the year of birth as shown below. e.g. for 3rd October, 1991

Shade 0 in the first column & 3 in the second column for Date;

1 in 3rd column and 0 in 4th column for Month;
1 in 5th column , 9 in 6th column, 9 in 7th column and 1 in 8th column for the year, as shown below:-

0	3	1	0	1	9	9	1

Point No. 4 of the Application Form: - (RELIGION)

Enter the appropriate code in the box and shade the box in the application form as given below:

Religion	Code for religion
Others	0
Buddhism	1
Christianity	2
Hinduism	3
Islam	4
Jainsm	5
Judaism	6
Sikhism	7
Zoroastrianism	8

Point No. 6 of the Application Form:-
(MOTHER TONGUE)
Enter the appropriate code in the box and shade the box in the application form as given below:

Language	Code
Assamese / Axomiya	01
Bengali	02
Bodo	03
Dogri	04
Gujarati	05
Hindi	06
Kannada	07
Kashmiri	08
Konkani	09
Maithili	10
Malayalam	11
Marathi	12
Nepali	13
Oriya	14
Punjabi	15
Sanskrit	16
Santhali	17
Sindhi	18
Tamil	19
Telugu	20
Urdu	21
Others	22

Point No. 7 of the Application form: - (STATE / Union Territory)
Enter the appropriate code in the box and shade the box in the application form as given below:

State / Union Territory	Code
Andhra Pradesh	01
Arunachal Pradesh	02
Assam	03
Bihar	04
Chhattisgarh	05
Goa	06

State / Union Territory	code
Gujarat	07
Haryana	08
Himachal Pradesh	09
Jammu& Kashmir	10
Jharkhand	11
Karnataka	12
Kerala	13
Madhya Pradesh	14
Maharashtra	15
Manipur	16
Meghalaya	17
Mizoram	18
Nagaland	19
Orissa	20
Punjab	21
Rajasthan	22
Sikkim	23
Tamil Nadu	24
Telangana	25
Tripura	26
Uttar Pradesh	27
Uttarakhand	28
West Bengal	29
Andaman & Nicobar Islands	30
Chandigarh	31
Dadra & Nagar Haveli	32
Daman & Diu	33
Delhi	34
Lakshadweep	35
Puducherry	36

Enter the appropriate code in the box and shade the box in the application form as given below:**Point No. 8 of the Application Form: - (CENTRE SELECTION FOR VTUEEE 2019)**

VTUEEE 2019 -PAPER & PEN TEST(PPT) COMPUTER BASED TEST (CPT) EXAM CENTRES		
EXAM CENTRE STATE	**EXAM CENTRE**	**CODE**
Tripura	Agartala	001
Andaman & Nicobar	Port Blair	002
Andhra Pradesh	Anantapur	003
Andhra Pradesh	Kakinada	004
Andhra Pradesh	Nellore	005
Andhra Pradesh	Ongole	006
Andhra Pradesh	Rajahmundry	007

Andhra Pradesh	Tirupati	008
Andhra Pradesh	Vijayawada	009
Andhra Pradesh	Visakhapatnam	010
Andhra Pradesh	Guntur	011
Andhra Pradesh	Kadappa	012
Andhra Pradesh	Vizianagaram	013
Andhra Pradesh	Srikakulam	014
Andhra Pradesh	Kurnool	015
Arunachal Pradesh	Itanagar	016
Assam	Guwahati	017
Bihar	Patna	018
Bihar	Bhagalpur	019
Chandigarh	Chandigarh	020
Chattisgarh	Bhilai	021
Chattisgarh	Raipur	022
Delhi	New Delhi	023
Gujarat	Ahmedabad	024
Gujarat	Surat	025
Haryana	Hissar	026
Haryana	Gurgaon	027
Jharkhand	Bokaro	028
Jharkhand	Dhanbad	029
Jharkhand	Jamshedpur	030
Jharkhand	Ranchi	031
Karnataka	Bangalore	032
Kerala	Trivandrum	033
Madhya Pradesh	Bhopal	034
Madhya Pradesh	Gwalior	035
Madhya Pradesh	Indore	036
Madhya Pradesh	Jabalpur	037
Maharashtra	Aurangabad	038
Maharashtra	Mumbai	039
Maharashtra	Nagpur	040
Maharashtra	Pune	041
Orissa	Bhubaneswar	042
Puducherry	Puducherry	043
Punjab	Jalandhar	044
Punjab	Ludhiana	045
Rajasthan	Jaipur	046
Rajasthan	Jodhpur	047
Rajasthan	Kota	048
Rajasthan	Udaipur	049
Tamil Nadu	Chennai	050
Tamil Nadu	Coimbatore	051
Tamil Nadu	Erode	052
Tamil Nadu	Karur	053
Tamil Nadu	Madurai	054
Tamil Nadu	Namakkal	055

Tamil Nadu	Salem	056
Tamil Nadu	Tiruchirappalli	057
Tamil Nadu	Vellore	058
Tamil Nadu	Villupuram	059
Telangana	Hyderabad	060
Telangana	Warangal	061
Telangana	Karim Nagar	062
Uttar Pradesh	Agra	063
Uttar Pradesh	Allahabad	064
Uttar Pradesh	Bareilly	065
Uttar Pradesh	Gorakhpur	066
Uttar Pradesh	Kanpur	067
Uttar Pradesh	Lucknow	068
Uttar Pradesh	Noida	069
Uttar Pradesh	Rae Bareli	070
Uttar Pradesh	Varanasi	071
Uttar Pradesh	Jhansi	072
Uttar Pradesh	Faizabad	073
West Bengal	Kolkata	074
Goa	Goa	075
Himachal Pradesh	Simla	076
Jammu & Kashmir	Srinagar	077
Manipur	Imphal	078
Meghalaya	Shilong	079
Mizoram	Aizawl	080
Nagaland	Kohima	081
Sikkim	Gangtok	082
Uttarakhand	Dehradun	083
Dadra & Nagar Haveli	Silvassa	084
Daman & Diu	Daman	085
Lakshadweep	Kavaratti	086

Point No. 9 in the Application Form :- (COMPLETE POSTAL ADDRESS)

Write the complete postal address to which any communication has to be sent. The address must include your name, C/O name (if required), and all other details including the correct PINCODE, for letters to reach you. Indicate your e-mail ID, Phone No. with the correct STD code and Mobile number, if any. Please note that this block will be machine scanned and therefore, it should be **written very clearly in CAPITAL LETTERS in black ballpoint pen only.** In case you make any mistake, cover the entire box with an exact-sized white paper slip and write your address on it. **Your address must not overflow this box.**

The use of address of any coaching centre / Institution is strictly prohibited. If the address of any coaching centre / Institution is used in the application form it will be rejected.

Point No.10 in the Application Form:- (PHOTO-GRAPH with size 3.5 x 4.5 cm)

Affix one recent good quality colour photograph in the space allotted for this in the Application Form. Paste a good quality passport size colour photograph with white colour background taken not more than two months earlier, indicating clearly your name and the date of taking the photograph. Do not wear cap or goggles. Wear formal dress (No Sports dress/ T- Shirt/ casuals etc.,)

Spectacles if being used regularly are allowed. Polaroid photos are not acceptable. The photograph should be firmly affixed to the application form with gum or fevicol. In addition attach one more photograph with your Application No. and Name on the back side.

•Candidates are advised to retain 6 copies and the negative of the same photograph for use at the time of Examination / Counselling / Admission. Do not sign on the photograph and do not have it attested.

•It is expected that the candidate will have the same appearance at the time of the examination and counselling as in the photograph affixed in the application form. In case his/her appearance changes, he/she would be required to bring two new photographs at the time of the examination/counselling.

NOTE: Photograph should not be larger than the space provided in the box for pasting it.

Point No.11 in the Application Form:- (SIGNA-TURE)

Sign using a Black ball-point pen, within the box provided. Your signature must not overflow or touch the border of the box. Your signature establishes your identity.

Point No.12 in the Application Form: (NAME OF THE FATHER / GUARDIAN)

Candidate has to write either his/her 1.Father's name (or) 2.Guardian's name in capital letters as given in Class X/XII Certificate of Board/University and shade corresponding number in the box.

Point No.13 in the Application Form: (NAME OF THE MOTHER)

Candidate has to write his/her Mother's name in capital letters as given in Class X/XII Certificate of Board/University.

Point No. 15 in the Application Form:- (BRANCH OPTION)

Candidate can declare three options of their choice. Arrange them in order as I, II & III as preferred. Then start shading the branch code in column -1 for the most preferred branch, column-2 for the next and column -3 for the third most preferred.

Branch	Code
Aeronautical Engineering	01
Automobile Engineering	02
Biomedical Engineering	03
Biotechnology	04
Civil Engineering	05
Computer Science & Engineering	06
Electronics & Communication Engineering	07
Electrical and Electronics Engineering	08
Information Technology	09
Mechanical Engineering	10

Point No. 16 in the Application Form: - (BOARD OF EXAMINATION)

Enter the appropriate code in the box and shade the box in the application form as given below

Board	Code
Andhra Pradesh Board of Intermediate Education	01
Assam Higher Secondary Education Council	02
Bihar Intermediate Education Council	03
Central Board of Secondary Education	04
Chhattisgarh Madhyamik Shiksha Mandal	05
Council for the Indian School Certificate Examinations	06
Goa Board of Secondary and Higher Secondary Education	07
Gujarat Secondary Education Board	08
Haryana Board of Education	09
Himachal Pradesh Board of School Education	10
J & K State Board of School Education	11
Jharkhand Academy Council	12
Karnataka Board of Pre-University Education	13
Kerala Board of Public Examinations	14
Madhya Pradesh Board of Secondary Education	15
Maharashtra State Board of Secondary and Higher Secondary Education	16
Manipur Council of Higher Secondary Education	17

Meghalaya Board of Secondary Education	18
Mizoram Board of School Education	19
Nagaland Board of School Education	20
Orissa Council of Higher Secondary Education	21
Punjab School Education Board	22
Rajasthan Board of Secondary Education	23
Tamil Nadu Board of Higher Secondary Education	24
Tripura Board of Secondary Education	25
Telangana Board of Secondary Education	26
U.P Board of High School and Intermediate Education	27
Uttaranchal Shiksha Evam Pariksha Parishad	28
West Bengal Council of Higher Secondary Education	29
Others	00

Point No.17 in the Application Form:-
(MEDIUM OF INSTRUCTION)

Shade the medium of instruction in 12th standard.

Point No.18 in the Application Form:-
(CONTACT NUMBERS)

Enter the STD code, residential phone and mobile number, and shade the appropriate box.

Point No. 19 in the Application Form: - (CHECK LIST)

Shade the appropriate box in the application form.

Point No. 20 in the Application Form:- (DECLA-RATION)

The parent/guardian and the applicant must sign and fill-in the place with date.

APPENDIX I
SYLLABUS for VTUEEE 2019

UNIT 1- SETS, RELATIONS AND FUNCTIONS

Sets and their representation; Union, intersection and complement of sets and their algebraic properties; Power set; Relation, Types of relations, equivalence relations, functions; one-one, into and onto functions, composition of functions.

UNIT 2-COMPLEX NUMBERS AND QUADRATIC EQUATIONS

Complex numbers as ordered pairs of reals, Representation of 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, triangle inequality, 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

UNIT-3 - MATRICES AND DETERMINANTS

Matrices, algebra of matrices, types of matrices, determinants and matrices of order two and three. Properties of determinants, evaluation of determinants, area of triangles using determinants. Adjoint and evaluation of inverse of a square matrix using determinants and elementary transformations, Test of consistency and solution of simultaneous linear equations in two or three variables using determinants and matrices.

UNIT-4 -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.

UNIT- 5 - MATHEMATICAL INDUCTION

Principle of Mathematical Induction and its simple applications.

UNIT 6 - BINOMIAL THEOREM AND ITS SIMPLE APPLICATIONS

Binomial theorem for a positive integral index, general term and middle term, properties of Binomial coefficients and simple applications.

UNIT-7 -SEQUENCES AND SERIES

Arithmetic and Geometric progressions, insertion of arithmetic, geometric means between two given numbers. Relation between A.M. and G.M. Sum upto n terms of special series: S n, S n2, Sn3. Arithmetico-Geometric progression.

UNIT-8: LIMIT, CONTINUITY AND DIFFERENTIABILITY

Real - valued functions, algebra of functions, polynomials, rational, trigonometric, logarithmic and exponential functions, inverse functions. Graphs of simple functions. Limits, continuity and differentiability. 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. Rolle's and Lagrange's Mean Value Theorems. Applications of derivatives: Rate of change of quantities, monotonic - increasing and decreasing functions, Maxima and minima of functions of one variable, tangents and normal.

UNIT- 9: 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 limit of a sum. Fundamental Theorem of Calculus. Properties of definite integrals. Evaluation of definite integrals, determining areas of the regions bounded by simple curves in standard form.

UNIT-10: DIFFERENTIAL EQUATIONS

Ordinary differential equations, their order and degree. Formation of differential equations. Solution of differential equations by the method of separation of variables, solution of homogeneous and linear differential equations.

UNIT-11: CO-ORDINATE GEOMETRY

Cartesian system of rectangular co-ordinates 10 in a plane, distance formula, section formula, locus and its equation, translation of axes, slope of a line, parallel and perpendicular lines, intercepts of a line on the coordinate axes.
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, coordinates of centroid, orthocentre and circumcentre of a triangle, equation of family of lines passing through the point of intersection of two lines.
Circles, conic sections
Standard form of equation of a circle, general form of the equation of a circle, its radius and centre, equation of a circle when the end points of a diameter are given, points of intersection of a line and a circle with the centre at the origin and condition for a line to be tangent to a circle, equation of the tangent. Sections of cones, equations of conic sections (parabola, ellipse and hyperbola) in standard forms, condition for $y = mx + c$ to be a tangent and point (s) of tangency.

UNIT-12: THREE DIMENSIONAL GEOMETRY

Coordinates of a point in space, distance between two points, section formula, direction ratios and direction cosines, angle between two intersecting lines. Skew lines, the shortest distance between them and its equation. Equations of a line and a plane in different forms, intersection of a line and a plane, coplanar lines.

UNIT-13: VECTOR ALGEBRA

Vectors and scalars, addition of vectors, components of a vector in two dimensions and three dimensional space, scalar and vector products, scalar and vector triple product.

UNIT-14: STATISTICS AND PROBABILITY

Measures of Dispersion: Calculation of mean, median, mode of grouped and ungrouped data calculation of standard deviation, variance and mean deviation for grouped and ungrouped data.
Probability: Probability of an event, addition and multiplication theorems of probability, Baye's theorem, probability distribution of a random variate, Bernoulli trials and Binomial distribution.

UNIT-15: TRIGONOMETRY

Trigonometrical identities and equations. Trigonometrical functions. Inverse trigonometrical functions and their properties. Heights and Distances

UNIT-16: MATHEMATICAL REASONING

Statements, logical operations and, or, implies, implied by, if and only if. Understanding of tautology, contradiction, converse and contrapositive.

PHYSICS SYLLABUS - SECTION A

UNIT 1: PHYSICS AND MEASUREMENT

Physics, technology and society, SI units, Fundamental and derived Units. Least count, accuracy and precision of measuring instruments, Errors in measurement, Dimensions of Physical quantities, dimensional analysis and its applications.

UNIT 2: KINEMATICS

Frame of reference. Motion in a straight line: Position-time graph, speed and velocity. Uniform and non-uniform motion, average speed and instantaneous velocity Uniformly accelerated motion, velocity-time, position-time graphs, relations for uniformly accelerated motion. Scalars and Vectors, Vector addition and Subtraction, Zero Vector, Scalar and Vector products, Unit Vector, Resolution of a Vector. Relative Velocity, Motion in a plane. Projectile Motion, Uniform Circular Motion.

UNIT 3: LAWS OF MOTION

Force and Inertia, Newton's First Law of motion; Momentum, Newton's Second Law of motion; Impulse; Newton's Third Law of motion. Law of conservation of linear momentum and its applications, Equilibrium of concurrent forces.
Static and Kinetic friction, laws of friction, rolling friction.
Dynamics of uniform circular motion: Centripetal force and its applications

UNIT 4: WORK, ENERGY AND POWER

Work done by a constant force and a variable force; kinetic and potential energies, workenergy theorem, power.
Potential energy of a spring, conservation of mechanical energy, conservative and nonconservative forces; Elastic and inelastic collisions in one and two dimensions.

UNIT 5: ROTATIONAL MOTION

Centre of mass of a two-particle system, Centre of mass of a rigid body; Basic concepts of rotational motion; moment of a force, torque, angular momentum, conservation of angular momentum and its applications; moment of inertia, radius of gyration. Values of moments of inertia for simple geometrical objects, parallel and perpendicular axes theorems and their applications. Rigid body rotation, equations of rotational motion.

UNIT 6: GRAVITATION

The universal law of gravitation. Acceleration due to gravity and its variation with altitude and depth, Kepler's laws of planetary motion. Gravitational potential energy; gravitational potential. Escape velocity. Orbital velocity of a satellite. Geo-stationary satellites.

UNIT 7: PROPERTIES OF SOLIDS AND LIQUIDS

Elastic behaviour, Stress-strain relationship, Hooke's Law, Young's modulus, bulk modulus, modulus of rigidity. Pressure due to a fluid column; Pascal's law and its applications. Viscosity, Stokes' law, terminal velocity, streamline and turbulent flow, Reynolds number. Bernoulli's principle and its applications. Surface energy and surface tension, angle of contact, application of surface tension - drops, bubbles and capillary rise. Heat, temperature, thermal expansion; specific heat capacity, calorimetry; change of state, latent heat. Heat transfer-conduction, convection and radiation, Newton's law of cooling.

UNIT 8: THERMODYNAMICS

Thermal equilibrium, zeroth law of thermodynamics, concept of temperature. Heat, work and internal energy. First law of thermodynamics. Second law of thermodynamics: reversible and irreversible processes. Carnot engine and its efficiency.

UNIT 9: KINETIC THEORY OF GASES

Equation of state of a perfect gas, work done on compressing a gas. Kinetic theory of gases-assumptions, concept of pressure. Kinetic energy and temperature: rms speed of gas molecules; Degrees of freedom, Law of equipartition of energy, applications to specific heat capacities of gases; Mean free path, Avogadro's number.

UNIT 10: OSCILLATIONS AND WAVES

Periodic motion - period, frequency, displacement as a function of time. Periodic functions. Simple harmonic motion (S.H.M.) and its equation; phase; oscillations of a spring -restoring force and force constant; energy in S.H.M. - kinetic and potential energies; Simple pendulum - derivation of expression for its time period; Free, forced and damped oscillations, resonance.
Wave motion. Longitudinal and transverse waves, speed of a wave. Displacement relation for a progressive wave. Principle of superposition of waves, reflection of waves, Standing waves in strings and organ pipes, fundamental mode and harmonics, Beats, Doppler effect in sound.

UNIT 11: ELECTROSTATICS

Electric charges: Conservation of charge, Coulomb's law-forces between two point charges, forces between multiple charges; superposition principle and continuous charge distribution.
Electric field: Electric field due to a point charge, Electric field lines, Electric dipole, Electric field due to a dipole, Torque on a dipole in a uniform electric field.
Electric flux, Gauss's law and its applications to find field due to infinitely long uniformly charged straight wire, uniformly charged infinite plane sheet and uniformly charged thin spherical shell. Electric potential and its calculation for a point charge, electric dipole and system of charges; Equipotential surfaces, Electrical potential energy of a system of two point charges in an electrostatic field.
Conductors and insulators, Dielectrics and electric polarization, capacitor, combination of capacitors in series and in parallel, capacitance of a parallel plate capacitor with and without dielectric medium between the plates, Energy stored in a capacitor.

UNIT 12: CURRRENT ELECTRICITY

Electric current, Drift velocity, Ohm's law, Electrical resistance, Resistances of different materials, V-I characteristics of Ohmic and nonohmic conductors, Electrical energy and power, Electrical resistivity, Colour code for resistors; Series and parallel combinations of resistors; Temperature dependence of resistance.
Electric Cell and its Internal resistance, potential difference and emf of a cell, combination of cells in series and in parallel. Kirchhoffs laws and their applications. Wheatstone bridge, Metre bridge. Potentiometer - principle and its applications.

UNIT 13: MAGNETIC EFFECTS OF CURRENT AND MAGNETISM

Biot - Savart law and its application to current carrying circular loop. Ampere's law and its applications to infinitely long current carrying straight wire and solenoid. Force on a moving charge in uniform magnetic and electric fields. Cyclotron.

Force on a current-carrying conductor in a uniform magnetic field. Force between two parallel current-carrying conductors-definition of ampere, Torque experienced by a current loop in uniform magnetic field; Moving coil galvanometer, its current sensitivity and conversion to ammeter and voltmeter.

Current loop as a magnetic dipole and its magnetic dipole moment. Bar magnet as an equivalent solenoid, magnetic field lines; Earth's magnetic field and magnetic elements. Para-, dia- and ferro- magnetic substances.

Magnetic susceptibility and permeability, Hysteresis, Electromagnets and permanent magnets.

UNIT 14: ELECTROMAGNETIC INDUCTION AND ALTERNATING CURRENTS

Electromagnetic induction; Faraday's law, induced emf and current; Lenz's Law, Eddy currents. Self and mutual inductance. Alternating currents, peak and rms value of alternating current/voltage; reactance and impedance; LCR series circuit, resonance; Quality factor, power in AC circuits, wattless current. AC generator and transformer.

UNIT 15: ELECTROMAGNETIC WAVES

Electromagnetic waves and their characteristics. Transverse nature of electromagnetic waves.

Electromagnetic spectrum (radio waves, microwaves, infrared, visible, ultraviolet, Xrays, gamma rays). Applications of e.m. waves.

UNIT 16: OPTICS

Reflection and refraction of light at plane and spherical surfaces, mirror formula, Total internal reflection and its applications, Deviation and Dispersion of light by a prism, Lens Formula, Magnification, Power of a Lens, Combination of thin lenses in contact, Microscope and Astronomical Telescope (reflecting and refracting) and their magnifying powers.

Wave optics: wavefront and Huygens' principle, Laws of reflection and refraction using Huygen's principle. Interference, Young's double slit experiment and expression for fringe width, coherent sources and sustained interference of light. Diffraction due to a single slit, width of central maximum. Resolving power of microscopes and astronomical telescopes, Polarisation, plane polarized light; Brewster's law, uses of plane polarized light and Polaroids.

UNIT 17: DUAL NATURE OF MATTER AND RADIATION

Dual nature of radiation. Photoelectric effect, Hertz and Lenard's observations; Einstein's photoelectric equation; particle nature of light. Matter waves-wave nature of particle, de Broglie relation. Davis son-Germer experiment.

UNIT 18: ATOMS AND NUCLEI

Alpha-particle scattering experiment; Rutherford's model of atom; Bohr model, energy levels, hydrogen spectrum. Composition and size of nucleus, atomic masses, isotopes, isobars; isotones. Radioactivity-alpha, beta and gamma particles/rays and their properties; radioactive decay law. Mass-energy relation, mass defect; binding energy per nucleon and its variation with mass number, nuclear fission and fusion.

UNIT 19: ELECTRONIC DEVICES

Semiconductors; semiconductor diode: I-V characteristics in forward and reverse bias; diode as a rectifier; I-V characteristics of LED, photodiode, solar cell and Zener diode; Zener diode as a voltage regulator. Junction transistor, transistor action, characteristics of a transistor; transistor as an amplifier (common emitter configuration) and oscillator. Logic gates (OR, AND, NOT, NAND and NOR). Transistor as a switch.

UNIT 20: COMMUNICATION SYSTEMS

Propagation of electromagnetic waves in the atmosphere; Sky and space wave propagation, Need for modulation, Amplitude and Frequency Modulation, Bandwidth of signals, Bandwidth of Transmission medium, Basic Elements of a Communication System (Block Diagram only).

PHYSICS SYLLABUS - SECTION B

UNIT 21: EXPERIMENTAL SKILLS

Familiarity with the basic approach and observations of the experiments and activities:
1. Vernier callipers-its use to measure internal and external diameter and depth of a vessel.
2. Screw gauge-its use to determine thickness/ diameter of thin sheet/wire.
3. Simple Pendulum-dissipation of energy by plotting a graph between square of amplitude and time.
4. Metre Scale-mass of a given object by principle of moments.
5. Young's modulus of elasticity of the material of a metallic wire.
6. Surface tension of water by capillary rise and effect of detergents.
7. Co-efficient of Viscosity of a given viscous liquid by measuring terminal velocity of a given spherical body.
8. Plotting a cooling curve for the relationship between the temperature of a hot body and time.
9. Speed of sound in air at room temperature using a resonance tube.
10. Specific heat capacity of a given (i) solid and (ii) liquid by method of mixtures.
11. Resistivity of the material of a given wire using metre bridge.
12. Resistance of a given wire using Ohm's law.
13. Potentiometer-
a)   Comparison of emf of two primary cells.
b)   Determination of internal resistance of a cell.
14. Resistance and figure of merit of a galvanometer by half deflection method,
15. Focal length of the following using parallax method:
a)   Convex mirror
b)   Concave mirror, and
c)   Convex lens
16. Plot of angle of deviation vs angle of incidence for a triangular prism.
17. Refractive index of a glass slab using a traveling microscope.
18. Characteristic curves of a p-n junction diode in forward and reverse bias.

19. Characteristic curves of a Zener diode and finding reverse break down voltage.

20. Characteristic curves of a transistor and finding current gain and voltage gain.

21. Identification of Diode, LED, Transistor, IC, Resistor, Capacitor from mixed collection of such items.

Using multimeter to:

a)   Identify base of a transistor

b)   Distinguish between npn and pnp type transistor

c)   See the unidirectional flow of current in case of a diode and an LED.

d)   Check the correctness or otherwise of a given electronic component (diode, transistor or IC).

CHEMISTRY SYLLABUS

SECTION A - PHYSICAL CHEMISTRY

UNIT 1: SOME BASIC CONCEPTS IN CHEMISTRY
Matter and its nature, Dalton's atomic theory; Concept of atom, molecule, element and compound; Physical quantities and their measurements in Chemistry, precision and accuracy, significant figures, S.I. Units, dimensional analysis; Laws of chemical combination: Atomic and molecular masses, mole concept, molar mass, percentage composition, empirical and molecular formulae; Chemical equations and stoichiometry.

UNIT 2: STATES OF MATTER
Classification of matter into solid, liquid and gaseous states.
Gaseous State:
Measurable properties of gases; Gas laws - Boyle's law, Charle's law, Graham's law of diffusion, Avogadro's law, Dalton's law of partial pressure; Concept of Absolute scale of temperature; Ideal gas equation; Kinetic theory of gases (only postulates); Concept of average, root mean square and most probable velocities; Real gases, deviation from Ideal behaviour, compressibility factor and van der Waals equation.
Liquid State:
Properties of liquids - vapour pressure, viscosity and surface tension and effect of temperature on them (qualitative treatment only).
Solid State:
Classification of solids: molecular, ionic, covalent and metallic solids, amorphous and crystalline solids (elementary idea); Bragg's Law and its applications; Unit cell and lattices, packing in solids (fee, bec and hep lattices), voids, calculations involving unit cell parameters, imperfection in solids; Electrical and magnetic properties.

UNIT 3: ATOMIC STRUCTURE
Thomson and Rutherford atomic models and their limitations; Nature of electromagnetic radiation, photoelectric effect; Spectrum of hydrogen atom, Bohr model of hydrogen atom - its postulates, derivation of the relations for energy of the electron and radii of the different orbits, limitations of Bohr's model; Dual nature of matter, de-Broglie's relationship, Heisenberg uncertainty principle. Elementary ideas of quantum mechanics, quantum mechanical model of atom, its important features. Concept of atomic orbitals as one electron wave functions; Variation of t|/ and \|/2 with r for Is and 2s orbitals; various quantum numbers (principal, angular momentum and magnetic quantum numbers) and their significance; shapes of s, p and d - orbitals, electron spin and spin quantum number; Rules for filling electrons in orbitals - aufbau principle, Pauli's exclusion principle and Hund's rule, electronic configuration of elements, extra stability of half-filled and completely filled orbitals.

UNIT 4 : CHEMICAL BONDING AND MOLECULAR STRUCTURE
Kossel - Lewis approach to chemical bond formation, concept of ionic and covalent bonds.
Ionic Bonding: Formation of ionic bonds, factors affecting the formation of ionic bonds; calculation of lattice enthalpy.
Covalent Bonding: Concept of electronegativity, Fajan's rule, dipole moment; Valence Shell Electron Pair Repulsion (VSEPR) theory and shapes of simple molecules.
Quantum mechanical approach to covalent bonding:
Valence bond theory - Its important features, concept of hybridization involving s, p and d orbitals; Resonance.
Molecular Orbital Theory - Its important features, LCAOs, types of molecular orbitals (bonding, antibonding), sigma and pi-bonds, molecular orbital electronic configurations of homonuclear diatomic molecules, concept of bond order, bond length and bond energy.
Elementary idea of metallic bonding. Hydrogen bonding and its applications.

UNIT 5: CHEMICAL THERMODYNAMICS
Fundamentals of thermodynamics: System and surroundings, extensive and intensive properties, state functions, types of processes.
First law of thermodynamics - Concept of work, heat internal energy and enthalpy, heat capacity, molar heat capacity; Hess's law of constant heat summation; Enthalpies of bond dissociation, combustion, formation, atomization, sublimation, phase transition, hydration, ionization and solution.
Second law of thermodynamics: Spontaneity of processes; AS of the universe and AG of the system as criteria for spontaneity, AG" (Standard Gibbs energy change) and equilibrium constant.

UNIT 6: SOLUTIONS
Different methods for expressing concentration of solution - molality, molarity, mole fraction, percentage (by volume and mass both), vapour pressure of solutions and Raoult's Law - Ideal and non-ideal solutions, vapour pressure - composition, plots for ideal and non-ideal solutions; Colligative properties of dilute solutions - relative lowering of vapour pressure, depression of freezing point, elevation of boiling point and osmotic pressure; Determination of

molecular mass using colligative properties; Abnormal value of molar mass, van't Hoff factor and its significance.

UNIT 7: EQUILIBRIUM
Meaning of equilibrium, concept of dynamic equilibrium.
Equilibria involving physical processes:
Solid -liquid, liquid - gas and solid - gas equilibria, Henry's law, general characteristics of equilibrium involving physical processes.
Equilibria involving chemical processes:
Law of chemical equilibrium, equilibrium constants (Kp and Kc) and their significance, significance of AG and AG" in chemical equilibria, factors affecting equilibrium concentration, pressure, temperature, effect of catalyst; Le Chatelier's principle.
Ionic equilibrium:
Weak and strong electrolytes, ionization of electrolytes, various concepts of acids and bases (Arrhenius, Bronsted - Lowry and Lewis) and their ionization, acid - base equilibria (including multi-stage ionization) and ionization constants, ionization of water, pH scale, common ion effect, hydrolysis of salts and pH of their solutions, solubility of sparingly soluble salts and solubility prod-ucts, buffer solutions.

UNIT 8: REDOX REACTIONS AND ELECTRO-CHEMISTRY
Electronic concepts of oxidation and reduction, redox reactions, oxidation number, rules for assigning oxidation number, balancing of redox reactions.
Eectrolytic and metallic conduction, conductance in electrolytic solutions, molar conductivities and their variation with concentra-tion: Kohlrausch's law and its applications.
Electrochemical cells - Electrolytic and Galvanic cells, different types of electrodes, electrode potentials including standard electrode potential, half - cell and cell reactions, emf of a Galvanic cell and its measurement; Nernst equation and its applications; Relationship between cell potential and Gibbs' energy change; Dry cell and lead accumulator; Fuel cells.

UNIT 9: CHEMICAL KINETICS
Rate of a chemical reaction, factors affecting the rate of reactions: concentration, temperature, pressure and catalyst; elementary and complex reactions, order and molecularity of reactions, rate law, rate constant and its units, differential and integral forms of zero and first order reactions, their characteristics and half -lives, effect of temperature on rate of reactions -Arrhenius theory, activation energy and its calculation, collision theory of bimolecu-lar gaseous reactions (no derivation).

UNIT 10: SURFACE CHEMISTRY
Adsorption- Physisorption and chemisorption and their character-istics, factors affecting adsorption of gases on solids - Freundlich and Langmuir adsorption isotherms, adsoiption from solutions.
Catalysis - Homogeneous and heterogeneous, activity and selec-tivity of solid catalysts, enzyme catalysis and its mechanism.
Colloidal state- distinction among true solutions, colloids and suspensions, classification of colloids -lyophilic, lyophobic; multi-molecular, macromolecular and associated colloids (micelles), preparation and properties of colloids - Tyndall effect, Brownian movement, electrophoresis, dialysis, coagulation and flocculation; Emulsions and their characteristics.

SECTION B: INORGANIC CHEMISTRY
UNIT 11: CLASSIFICATION OF ELEMENTS AND PERIODICITY IN PROPERTIES
Modem periodic law and present form of the periodic table, s, p, d and f block elements, periodic trends in properties of elements atomic and ionic radii, ionization enthalpy, electron gain enthalpy, valence, oxidation states and chemical reactivity.

UNIT 12: GENERAL PRINCIPLES AND PROCESSES OF ISOLATION OF METALS
Modes of occurrence of elements in nature, minerals, ores; Steps involved in the extraction of metals -concentration, reduction (chemical and electrolytic methods) and refining with special reference to the extraction of Al, Cu, Zn and Fe; Thermodynam-ic and electrochemical principles involved in the extraction of metals.

UNIT 13: HYDROGEN
Position of hydrogen in periodic table, isotopes, preparation, properties and uses of hydrogen; Physical and chemical proper-ties of water and heavy water; Structure, preparation, reactions and uses of hydrogen peroxide; Classification of hydrides - ionic, covalent and interstitial; Hydrogen as a fuel.

UNIT 14: S - BLOCK ELEMENTS (ALKALI AND ALKALINE EARTH METALS)

Group -1 and 2 Elements
General introduction, electronic configuration and general trends in physical and chemical properties of elements, anoma-lous properties of the first element of each group, diagonal relationships.
Preparation and properties of some important compounds - sodium carbonate and sodium hydroxide and sodium htydrogen carbonate; Industrial uses of lime, limestone, Plaster of Paris and cement; Biological significance of Na, K, Mg and Ca.

UNIT 15: P- BLOCK ELEMENTS
Group -13 to Group 18 Elements
General Introduction: Electronic configuration and general trends in physical and chemical properties of elements across the periods and down the groups; unique behaviour of the first element in each group.
Groupwise study of the p - block elements Group -13
Preparation, properties and uses of boron and aluminium; Struc-ture, properties and uses of borax, boric acid, diborane, boron trifluoride, aluminium chloride and alums.

Group -14
Tendency for catenation; Structure, properties and uses of Allotropes and oxides of carbon, silicon tetrachloride, silicates, zeolites and silicones.

Group -15
Properties and uses of nitrogen and phosphorus; Allotrophic forms of phosphorus; Preparation, properties, structure and uses of ammonia, nitric acid, phosphine and phosphorus halides, (PC13, PCl,); Structures of oxides and oxoacids of nitrogen and phosphorus.

Group -16
Preparation, properties, structures and uses of ozone; Allotropic forms of sulphur; Preparation, properties, structures and uses of sulphuric acid (including its industrial preparation); Structures of oxoacids of sulphur.

Group -17
Preparation, properties and uses of hydrochloric acid; Trends in the acidic nature of hydrogen halides; Structures of Interhalogen compounds and oxides and oxoacids of halogens.

Group-18
Occurrence and uses of noble gases; Structures of fluorides and oxides of xenon.

UNIT 16: D - AND F - BLOCK ELEMENTS
Transition Elements
General introduction, electronic configuration, occurrence and characteristics, general trends in properties of the first row transition elements -physical properties, ionization enthalpy, oxidation states, atomic radii, colour, catalytic behaviour, magnetic properties, complex formation, interstitial compounds, alloy formation; Preparation, properties and uses of $K_2Cr_2O_7$ and $KMnO_4$.

Inner Transition Elements
Lanthanoids - Electronic configuration, oxidation states and lanthanoid contraction.
Actinoids - Electronic configuration and oxidation states.

UNIT 17: CO-ORDINATION COMPOUNDS
Introduction to co-ordination compounds, Werner's theory; ligands, co-ordination number, denticity, chelation; IUPAC nomenclature of mononuclear coordination compounds, isomerism; Bonding-Valence bond approach and basic ideas of Crystal field theory, colour and magnetic properties; Importance of co¬ordination compounds (in qualitative analysis, extraction of metals and in biological systems).

UNIT 18: ENVIRONMENTAL CHEMISTRY
Environmental pollution - Atmospheric, water and soil.
Atmospheric pollution - Tropospheric and Stratospheric
Tropospheric pollutants - Gaseous pollutants: Oxides of carbon, nitrogen and sulphur, hydrocarbons; their sources, harmful effects and prevention; Green house effect and Global warming; Acid rain; Particulate pollutants: Smoke, dust, smog, fumes, mist; their sources, harmful effects and prevention.
Stratospheric pollution- Formation and breakdown of ozone, depletion of ozone layer - its mechanism and effects.
Water Pollution - Major pollutants such as, pathogens, organic wastes and chemical pollutants; their harmful effects and prevention.
Soil pollution - Major pollutants such as: Pesticides (insecticides,, herbicides and fungicides), their harmful effects and prevention.
Strategies to control environmental pollution.

SECTION C - ORGANIC CHEMISTRY
UNIT 19: PURIFICATION AND CHARACTERIZATION OF ORGANIC COMPOUNDS
Purification - Crystallization, sublimation, distillation, differential extraction and chromatography - principles and their applications.
Qualitative analysis - Detection of nitrogen, sulphur, phosphorus and halogens.
Quantitative analysis (basic principles only) - Estimation of carbon, hydrogen, nitrogen, halogens, sulphur, phosphorus. Calculations of empirical formulae and molecular formulae; Numerical problems in organic quantitative analysis.

UNIT 20: SOME BASIC PRINCIPLES OF ORGANIC CHEMISTRY
Tetravalency of carbon; Shapes of simple molecules -hybridization (s and p); Classification of organic compounds based on functional groups: and those containing halogens, oxygen, nitrogen and sulphur; Homologous series; Isomerism - structural and stereoisomerism.

Nomenclature (Trivial and IUPAC)
Covalent bond fission - Homolytic and heterolytic: free radicals, carbocations and carbanions; stability of carbocations and free radicals, electrophiles and nucleophiles.

Electronic displacement in a covalent bond
- Inductive effect, electromeric effect, resonance and hyperconjugation.

Common types of organic reactions- Substitution, addition, elimination and rearrangement.

UNIT 21: HYDROCARBONS
Classification, isomerism, IUPAC nomenclature, general methods of preparation, properties and reactions.

Alkanes - Conformations: Sawhorse and Newman projections (of ethane); Mechanism of halogenation of alkanes.
Alkenes - Geometrical isomerism; Mechanism of clcctrophilic addition: addition of hydrogen, halogens, water, hydrogen halides (Markownikoff s and peroxide effect); Ozonolysis and polymerization.
Alkynes - Acidic character; Addition of hydrogen, halogens, water and hydrogen halides; Polymerization.
Aromatic hydrocarbons - Nomenclature, benzene -structure and aromaticity; Mechanism of electrophilic substitution: halogenation, nitration, Friedel - Craft's alkylation and acylation, directive influence of functional group in mono-substituted benzene.

UNIT 22: ORGANIC COMPOUNDS CONTAINING HALOGENS
General methods of preparation, properties and reactions; Nature of C-X bond; Mechanisms of substitution reactions. Uses; Environmental effects of chloroform, iodoform freons and DDT.

UNIT 23: ORGANIC COMPOUNDS CONTAINING OXYGEN
General methods of preparation, properties, reactions and uses.

ALCOHOLS, PHENOLS AND ETHERS

Alcohols: Identification of primary, secondary and tertiary alcohols; mechanism of dehydration.
Phenols: Acidic nature, electrophilic substitution reactions: halogenation, nitration and sulphonation, Reitner - Tiemann reaction.
Ethers: Structure.
Aldehyde and Ketones: Nature of carbonyl group;Nucleophilic addition to >C=0 group, relative reactivities of aldehydes and ketones; Important reactions such as - Nucleophilic addition reactions (addition of HCN, NH, and its derivatives), Griguard reagent; oxidation; reduction (Wolff Kishner and Clemmensen); acidity of a-hydrogen, aldol condensation, Cannizzaro reaction, Hatoform reaction;
Chemical tests to distinguish between aldehydes and Ketones.
Carboxylic Acids
Acidic strength and factors affecting it.

UNIT 24: ORGANIC COMPOUNDS CONTAINING NITROGEN
General methods of preparation, properties, reactions and uses.
Amines: Nomenclature, classification, structure, basic character and identification of primary, secondary and tertiary amines and their basic character.
Diazonium Salts: Importance in synthetic organic chemistry.

UNIT 25: POLYMERS
General introduction and classification of polymers, general methods of polymerization-addition and condensation, copoly-merization;
Natural and synthetic rubber and vulcanization; some important polymers with emphasis on their monomers and uses - polythene, nylon, polyester and bakelite.

UNIT 26: BIOMOLECULES
General introduction and importance of biomolecules.
Carbohydrates - Classification: aldoses and ketoses; monosac-charides (glucose and fructose) and constituent monosaccha-rides of oligosacctiorides (sucrose, lactose and maltose).
Proteins - Elementary Idea of a-amino acids, peptide bond, polypeptides; Proteins: primary, secondary, tertiary and quater-nary structure (qualitative idea only), denaturation of proteins, enzymes.
Vitamins - Classification and functions.
Nucleic Acids - Chemical constitution of DN A and RNA.
Biological functions of nucleic acids.

UNIT 27: CHEMISTRY IN EVERYDAY LIFE
Chemicals in medicines - Analgesics, tranquilizers, antiseptics, disinfectants, antimicrobials, antifertility drugs, antibiotics, antac-ids, antihistamins - their meaning and common examples.

Chemicals in food - Preservatives, artificial sweetening agents - common examples.
Cleansing agents - Soaps and detergents, cleansing action.

UNIT 28: PRINCIPLES RELATED TO PRACTICAL CHEMISTRY
Detection of extra elements (N,S, halogens) in organic compounds; Detection of the following functional groups: hydroxyl (alcoholic and phenolic), carbonyl (aldehyde and ketone), carboxyl and amino groups in organic compounds.
• Chemistry involved in the preparation of the following:
Inorganic compounds: Mohr's salt, potash alum. Organic compounds: Aeetanilide, pnitroacetanilide, aniline yellow, iodoform.
•Chemistry involved in the titrimetric excercises -Acids bases and the use of indicators, oxalic-acid vs $KMnO_4$, Mohr's salt vs $KMnO_4$.
•Chemical principles involved in the qualitative salt analysis:
Cations - Pb^{2+}, $Cu^{!+}$, $Af^{,+}$, $Fe^{!+}$, Zn^{2+}, Ni^{2+}, Ca^{2+}, Ba^{2+}, Mg^{2+}, nh;.
Anions- CO,", $S^{2~}$, $SO4$", NO", $NO~2$, Cf, Br", I" . (Insolu-ble salts excluded).
•Chemical principles involved in the following experiments:
1. Enthalpy of solution of $CuS04$
2. Enthalpy of neutralization of strong acid and strong base.
3. Preparation of lyophilic and lyophobic sols.
4. Kinetic study of reaction of iodide ion with hydrogen peroxide at room temperature.

APPENDIX II
DEGREE PROGRAMMES in B.Tech.
Branch

1. Aeronautical Engineering
2. Automobile Engineering
3. Biomedical Engineering
4. Biotechnology
5. Civil Engineering
6. Computer Science & Engineering
7. Electronics & Communication Engineering
8. Electrical and Electronics Engineering
9. Information Technology
10. Mechanical Engineering

APPENDIX III
INSTRUCTIONS FOR USE OF EXAM BOOKLET AND ANSWER SHEET

1. The candidates will find the Answer Sheet placed inside the sealed Examination Booklet. The seal will be broken/ opened by the candidates on the announcement by the invigilator. Do not open/break the seal before the announcement.

2. EACH ANSWER SHEET WILL HAVE A PRE-PRINTED EXAMINATION BOOKLET CODE A,B,C,D or P.Q.R.S. THE CANDIDATES ARE REQUIRED TO CHECK THAT THE EXAMINATION BOOKLET CODE PRE-PRINTED ON THE ANSWER SHEET IS THE SAME AS PRINTED ON THE EXAMINA-TION BOOKLET. The candidate must enter in the box and shade the appropriate box in the Question Paper Code Box. All four Codes on the Test booklet, Answer sheet, QP code box must be the same.

3. The Answer Sheet used will be of special type which will be scanned on Optical Scanner. There will be two parts in the Answer Sheet.

Part 1 This part of the Answer Sheet contains the following columns which are to be filled in neatly and accurately by the candidate with Black ballpoint pen only.
1. Answer Sheet No. – Write down the S.No. Printed in the front page of the Examination Booklet in box no.
2. Registration No.
3. Question Paper Code
4. Centre No.
5. City
6. Name of the candidate
7. Signature of the candidate

Part 2 IMPORTANT INSTRUCTIONS FOR SHADING
Out of four alternatives for each question, only one circle for the correct answer is to be darkened completely with Black ballpoint pen only.
For example:

Taj Mahal is situated in

Ⓐ Delhi Ⓑ Mumbai Ⓒ Agra Ⓓ Bangalore

Answer Ⓐ Ⓑ ⬛ Ⓓ

1.The question paper will be similar to JEE mains exam.
2. Use Black ballpoint pen to completely darken the appropriate circle, i.e. one circle for each entry. The answer once marked is not liable to be changed.
3. A light or faintly darkened circle is a wrong method of marking and liable to be rejected by the Optical Scanner.
4. If the candidate does not want to attempt any question he/she should not darken the circle given against that question.
5. Please do not fold the Answer Booklet and do not make any stray marks on it

6. ROUGH WORK
The candidate will not do any rough work on the Answer Sheet. All rough work is to be done in the Examination Booklet itself.

8. CHANGING AN ANSWER IS NOT ALLOWED
The candidates must fully satisfy themselves about the accuracy of the answer before darkening the appropriate circle as no change in an answer is allowed once marked. Use of eraser or white/correction fluid on the Answer Sheet is not permissible as the Answer Sheets are machine gradable and it may lead to wrong evaluation.
If more than one circle is darkened or if the response is marked in any other manner or as shown in 'incorrect Method' above, it shall be treated as wrong.

9.Prior to handing over the Answer Booklet soon after the examination is over, the candidate must sign the atten-dance booklet as a proof thereof.

10.The candidates shall submit, both the Examination Booklet and Answer Booklet at the end of the examina-tion.
Warning
1.Persons removing pages from the Exam booklet during examination, impersonating or trying to appear in the counselling through forged means will be dealt with as per law.

2. Canvassing directly or indirectly for the allotment of seats or influencing staff by unfair means would lead to serious consequences including disqualification of the candidates.

APPENDIX-IV

Vel Tech Mahatma Gandhi National Merit scholarship in tuition fee for B.Tech Programmes

100% Scholarship will be awarded to MPC topper from each State/ Union Territory among admitted Candidates

Scholarship based on MPC aggregate	
MPC aggregate	Percentage of Scholarship in tuition fee
Above 95%	75%
90 - 94.9%	50%
80 - 89.9%	25%
70 - 79.9%	10%

SCHOLARSHIP FOR VTUEEE 2019 RANK HOLDERS:	
Rank Holders in VTUEEE 2019 from each State/ Union Territory	Percentage of Scholarship In Tuition Fee
Top 20 Ranks*	75%
Rank 21-500	50%

* Minimum Eligibility is 60% in MPC.

CANDIDATES CAN AVAIL SCHOLARSHIP CALCULATED BASED ON MPC AGGREGATED / VTUEEE 2019 RANKING WHICHEVER IS HIGHER.

Appendix VI: OMR Model

Appendix VI: OMR Model

12. NAME OF THE FATHER ■ OR GUARDIAN ☐ (Shade any one and write the Name below)

BALI REDDY S

13. NAME OF THE MOTHER

VISHNU PRIYA

(15 refer to information brochure)

14. NAME OF JUNIOR COLLEGE / SCHOOL IN WHICH CURRENTLY STUDYING 12th STD | **15. BRANCH OPTION**

REG. NO / ROLL NUMBER : 1155953

NAME OF THE SCHOOL / JUNIOR COLLEGE STUDYING : NARAYANA JUNIOR COLLEGE

ADDRESS : GUDAVALLI, VIJAYAWADA

CITY : VIJAYAWADA

DIST. : KRISHNA DISTRICT

STATE : ANDHRA PRADESH   PIN CODE : 521104

BRANCH OPTION: I 01 II 08 III 14

(16 refer to information brochure)

16. BOARD OF EXAMINATION : 01

17. MEDIUM OF INSTRUCTION : ENGLISH ■ OTHERS ☐

18. CONTACT NUMBERS

STD CODE : 0 8 8 5 6

RESIDENTIAL NUMBER : 2 4 7 5 2 4

MOBILE NUMBER : 0 9 4 4 1 1 2 6 1 4 1

← - - - - - - - - - - - - **CAUTION: DO NOT CRUSH / BEND / FOLD** - - - - - - - - - - - - →

19. CHECK LIST

Please check

1. If you have entered the correct Date of Birth (item 2)   ■ Y ☐ N
2. If you have affixed your recent Photograph (item 10)   ■ Y ☐ N
3. If you have signed in (item 11 and 20)   ■ Y ☐ N
4. If you have filled in the Branch Option (item 15)   ■ Y ☐ N
5. If you have recorded your Application Number   ■ Y ☐ N

20. DECLARATION

I solemnly and sincerely affirm that I am an Indian National and that all particulars furnished in this application form are true and correct to the best of my knowledge and that I have not concealed any information. However, in the event this being found to be incorrect, fraudulent or untrue, either before or after the examination or after my admission to the programme, I understand that I am liable to face criminal prosecution and the authorities can claim all powers to cancel my candidature/selection or admission as the case may be and I have to forego my seat and the fee.

I agree to abide by the rules and regulations governing the examination as well as the rules pertaining to the refund of tuition and hostel fee mentioned in the brochure.

DATE: 10.08.2018

PLACE: MARKAPURAM

S. baby.
Signature of the Parent / Guardian

S. Anush.
Signature of the Candidate

Incomplete Application form shall not be considered

CHECKLIST FOR DO'S & DON'TS
Before filling up and/or before posting the application please

- Read and understand the instruction before filling in the Application Form. ☐
- Use black ballpoint pen to write and to shade the appropriate boxes. ☐
  Use CAPITAL LETTERS only.
- Affix a recent high resolution colour photograph in the space provided. ☐
- Do not get the photograph attested.
- Write your complete postal address clearly and legibly to which communication has to be sent. ☐
- Enter your correct Phone Number / Mobile Number with your STD code. ☐
- Mention your correct e-mail address. ☐
- Sign in the space provided below the photograph and in the declaration form. ☐
- Parent / guardian should sign in the declaration form. ☐
- Do not use pins/staples in your application. ☐
- Enter the mode of examination opted for. ☐
- Enter the Exam City Code on the envelope provided. ☐
- Retain a photocopy of your application. ☐
- Note down your application number for all the future reference. ☐