

Diploma Entrance Test - 2014

INFORMATION BROCHURE FOR ADMISSION

TO
FIRST SEMESTER/FIRST YEAR DIPLOMA IN
ENGINEERING/TECHNOLOGY/ARCHITECTURE/
NON-ENGINEERING/FILM&T.V.COURSES
AND
LATERAL ADMISSION TO SECOND YEAR (THIRD SEMESTER)
ENGINEERING/ TECHNOLOGY
IN
GOVERNMENT & PRIVATE ENGINEERING
SCHOOLS/ POLYTECHNICS OF ODISHA



Directorate of Technical Education & Training, Odisha

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PROGRAMME

FOR

DIPLOMA ENTRANCE TEST-2014, ODISHA

Date of Examination-18.05.2014 (Sunday)

SL. No.	Examination	Sitting	Time
01	1 st Semester Diploma in Engineering / Technology / Architecture	1 st Sitting	10.00 AM to 12.30 PM
02	1 st Semester / 1 st year Diploma in Non Engineering i.e. (Beauty Culture, Pharmacy, HM&CT, MOM)	2 nd Sitting	2.00 PM to 4.30 PM
03	1 st year Diploma in Film & TV Courses i.e. (Cinematography / Sound & TV Engg. / Film & Video Editing)	2 nd Sitting	2.00 PM to 4.30 PM
04	3 rd Semester Diploma in Engineering / Technology (Lateral Entry)	2 nd Sitting	2.00 PM to 4.30 PM

NB: The candidates are to report at the Examination Centre 30 minutes before the scheduled Time of Examination.

IMPORTANT NOTES

Candidates for DET-2014 have option to apply through ON-LINE mode ONLY. There will be no OFFLINE mode of submission of Application Form.

1. This Information Brochure is for admission to Diploma Engineering / Diploma Engineering (Lateral Entry) / Diploma Non-Engineering/Diploma in Film & TV courses for the Academic Year 2014-15 only. Its contents are subject to change without prior notice.
2. Admissions to 1st semester Diploma Engineering Course and 3rd semester Diploma Engineering (Lateral Entry) shall be made on the basis of the merit rank drawn by 60% weightage to DET-2014 marks & 40% weightage to qualifying examination marks through web based e-counseling.
3. Admissions to Non-Engineering & Film & TV courses shall be made on the basis of the merit rank drawn by 60% weightage to DET-2014 marks & 40% weightage to qualifying examination marks through manual computerized Central Counseling. However, additional weightage will be given for drawing the merit list for Film & TV courses as per their guidelines.
4. **Application fee for applying DET-2014 :**
To appear the DET-2014 examination, the candidate has to apply through **ONLINE** mode only and make payment of application fee (Non-Refundable) amounting to (i) Rs.200/- (Rupees Two Hundred Fifty) for **SC/ST/PH** candidates, (ii) Rs.350/- (Rupees Three Hundred Fifty) for **Female** candidates and (iii) Rs.450/- (Rupees Four Hundred Fifty) for **Male** candidates only through **ATM-cum-Debit Card/ Credit Card/ Net Banking/ e-Challan at any Branch of AXIS Bank/ IDBI Bank.**
5. Original certificates, mark sheets and other documents will be verified at the time of counseling with respect to eligibility, category and reservation that a candidate is claiming.
6. The claim of admission will be rejected if a candidate does not appear personally and submit the certificates, mark sheets, other necessary documents and requisite fees at the time of Counseling.
7. The admission may be cancelled at any time if certificate / mark sheet / any other documents are found to be forged or manipulated.
8. A candidate will not be considered for admission, if he/she fails to substantiate his/her claim with respect to Reservation, Category, Residence, DOB, Qualification etc. with original documents at the time of counseling.
9. Appearance of Diploma Entrance Test (DET-2014) does not automatically confirm right of admission to Diploma Courses.
10. The details of the Counseling Procedure shall be available in the DET website (www.detodisha.nic.in)
11. Rank holders for admission into 3rd Semester (Lateral) & 1st Semester Diploma Engineering courses /1st Semester/ 1st Year Non-engineering courses & Diploma in Film & TV courses are required to deposit counseling fee of Rs.200/- (Rupees Two Hundred) only during document verification and choice locking at assigned NCC to be notified later on.
12. The candidate is advised to remember the **Application Number, User ID Pass word & Roll number** for future correspondence.
13. **The candidate has to enter the qualifying marks in “Mark Entry Form” available in the website on or before dt.15.05.2014 or within 7 days of publication of qualifying examination result, whichever is later. In case of non-entry of qualifying marks within the above date, the merit list will be drawn taking 60% weightage of DET-2014 marks only.**
14. **The syllabus of Diploma Entrance Test – 2014 for admission into Non-Engineering and Film & TV Courses is same.**

Note : The Courts at Cuttack alone shall have the jurisdiction to settle and decide all matters and disputes related to DET-2014

1.1 INTRODUCTION :

In India Technical Education is imparted generally in three levels i.e. ITI, DIPLOMA and DEGREE in a massive scale. Some passed out graduates are also prosecuting Post-Graduate and Research work. Diploma level institutions play a vital role in producing Diploma holders in various fields of Engineering and Technology, Pharmacy, Architecture, Beauty culture and Medical related Diploma courses. These Diploma graduates render their services in the capacity of skilled technicians, Supervisors and middle level technical trained man-power as per the need of Industries / Govt. Dept. / Public Sectors undertakings / Defence / Railways and all other employers. Due to rapid industrial growth in the sector like Steel, Sponge Iron, Power Aluminum, IT by leading Private sectors like Arceller Mittal Group, POSCO, Jindal, Vedanta, ESSAR STEEL etc. in addition to capacity expansion of existing public sector units like RSP, NALCO, NTPC, IB VALLEY PROJECT etc. Odisha is becoming an industrial hub in the Eastern Zone. Seeing this high potential of employment for Diploma holders large number of institutes were established as per norms and standards of AICTE and approved by AICTE / State Govt. and affiliated to SCTE&VT, Odisha, Bhubaneswar. At present there are **120 Engineering Schools/ Polytechnics (21 Govt. / Govt. Aided + 99 Private)** in the state with approved intake of **39455 in 29 disciplines** of Engineering, Non-Engineering and Film & TV courses. Further, few new Govt. Engineering School/ Polytechnics are likely to come up during the session 2014-15 against which admission may also be taken. Details will be available in our website. The Government is very keen to expand polytechnic education and to produce quality technician manpower through polytechnics in the State. An integrated approach for Technical Education has been adopted i.e. provision for admission of ITI pass out to 3rd Semester Diploma and Polytechnic pass out to 3rd Semester Degree Engineering made under lateral entry scheme.

1.2 ADMINISTRATION AND CERTIFICATION:

The Government Polytechnics/ Engineering Schools of the State are under the administrative control of the **Directorate of Technical Education & Training (DTE&T), Odisha, Cuttack**, under the Department of Employment and Technical Education & Training, Government of Odisha, Bhubaneswar. **BPFTIO, Cuttack, IGIT, Sarang & ITT, Choudwar** are fully aided polytechnics managed by Registered Societies. All the Diploma Courses of the state are affiliated to the **State Council for Technical Education & Vocational Training (SCTE&VT), Odisha**. Semester Examination is conducted at the end of each semester except the courses in **Pharmacy, Cinematography, Sound & TV Engg, Film & Video Editing** which are in yearly pattern. Diploma is awarded after passing the final examination conducted by SCTE&VT, Odisha.

1.3 TRAINING AND PLACEMENT:

In order to facilitate recruitment of the final year / passed out students in different Industries/ Organisations through off campus/ in campus, Training & Placement Cell has been established in each Diploma Institute. The provision of one-year Post Diploma Apprenticeship Training by Board of Practical Training (ER), Government of India is optional for the passed out students. Besides getting placement in various Central/ State Govt. Departments/ Defence/ Paramilitary forces, our Polytechnic students are continuously getting employed with starting salary ranging from `8000/- to `15000/- per month, in the following industries/ organization like: **TATA Steel, Mando India, Gavrial India, Spicer India, Mattex Infra Ltd, TATA Telex Service, Ltd., ACC Cement Ltd., HINDALCo. Ltd, TRL- Belpahar, Mahindra & Mahindra, Add Soft, Gupta Power Infrastructure, JK Papers Ltd, Seba Paper Ltd, Mahle Filter System, Sipla-Pune, Jayashree Chemicals, Johnder-Pune, ESSEL Mining, ESSAR Steel, MESCO Steel, IMFA group, Adani Group, Adhunik Metalics.**

1.4 CURRICULAR DEVELOPMENT ACTIVITIES:

Constant endeavour is being made to update the syllabus as per the need of the Industry and advancement of the technology. Seminar and co-curricular activities are regularly conducted among the students for an all round development of future technicians. It ensures a fundamental and common approach to equip future technicians to face the emerging challenges of Industries in particular & Society in general.

It provides uniform basic knowledge and skill competencies relevant to service Industries, Engineering and Technology with vertical and horizontal mobility of the students for their professional growth.

Special emphasis is being given for development of communication skills and personality. Communication Skill Labs have been set up in all Govt. Polytechnics.

With a view to inculcate the habit of team spirit, emphasis is being given for Sports and allied activities like: NCC, NSS, Short term educational tours, sports at institute level, facilities for Volleyball / Football / Cricket / Athletics etc.

1.5 WELFARE AND MOTIVATIONAL SCHEMES:

The following scholarships/ assistance are being awarded to the students reading in Diploma Institutes as per their eligibility criteria.

- Merit cum poverty scholarships for 10% students in every discipline in every Govt. institute.
- Post-metric scholarships & other financial assistance sanctioned by Govt. from time to time for ST/ SC/ OBC/ SEBC/ Minority Community students in all institutions.
- (a) Financial assistance to complete the study, if the parents/ financial guardian of the student dies during study period (b) One time scholarship of Rs.6000/- to eligible Topper students of 1st / 3rd / 5th semester examination. under student welfare scheme
- Tuition fee waiver scheme for admission to 5% supernumerary seats in all institutes for the sons and daughters of parents whose annual income from all sources is less than ₹.4.50 lakhs or the amount fixed by Govt. from time to time.
- National Scholarship / Junior Scholarship basing on HSC Marks.

The admission to all Diploma level programmes in the State (All intakes of Govt. Engineering Schools, Odisha Quota in outside State Polytechnics decided by MHRD and all seats of Private Engineering Schools & Polytechnics) are made through Diploma Entrance Test (DET)

CHAPTER – 1

ABBREVIATIONS AND TERMS USED

“AICTE”	means “All India Council for Technical Education”
“Allotted Seat”	means “Seat allotted during counseling”
“BPFTIO”	means “Biju Patnaik Film & Television Institute of Odisha”
“BSE”	means “Board of Secondary Education, Odisha”
“CBSE”	means “Central Board of Secondary Education”
“CHSE”	means “Council of Higher Secondary Education, Odisha”
“Department”	means “Employment and Technical Education & Training, Department Govt. of Odisha, Bhubaneswar”
“DET-2014”	means “Diploma Entrance Test-2014”
“DET (L)”	means “Diploma Entrance Test (Through Lateral Entry) - 2014”: Through this scheme candidates of 10+2 Science, +2 Vocational & ITI holders are admitted in 3 rd Semester of Diploma Course directly.
“DTE&T”	Director of Technical Education & Training, Odisha
“ES”	means “Ex-Servicemen and their Wards” of Odisha.
“FT”	means Courses available at BPFTIO
“HSC”	means “High School Certificate” examination.
“ICSE”	means “Indian Certificate of Secondary Education”
“Intake”	means “Sanctioned Intake”
“MHRD”	means “Ministry of Human Resource Development, Government of India”
“NCC”	means “Nodal Centre for Counseling”
“NRI’s Seats”	means “the Seats meant for son & daughters of Non-Resident Indians”
“PH”	means “Physically Handicapped” of Odisha.
“Qualifying Examination”:	For Qualifying Examination, refer to Chapter 3.

“Reported seat”	means allotted seat confirmed after physical reporting at the allotted institute.
“SCTE&VT”	means “State Council for Technical Education & Vocational Training (Affiliating Board)”.
“SC” / “ST”	means “Scheduled Caste / Scheduled Tribe of Odisha”
“SF”	means “Self Financing scheme”
“State Govt.”	means “Government of Odisha”
“TFW”	means “Tuition Fee Waiver” Scheme.

CHAPTER-2

2.1 GENERAL INFORMATION

- 1) The **ONLINE** Application Form for all Diploma Courses is available in the website (www.detodisha.nic.in), which may be filled up correctly and should be submitted on or before due date & time.
- 2) Any candidate who has been disqualified or debarred by the University or Board or any other Statutory Board shall not be eligible for admission to the Engineering schools/ Polytechnics of Odisha State for the period he/ she has been debarred.
- 3) Canvassing in any form is strictly prohibited. Further, if any candidate, person or official engages himself/ herself in any unlawful Act that results or indulges in any kind of unfair means in the Test, he/she shall be liable to prosecution under relevant law as per Indian Penal Code.
- 4) The Principal of the concerned Polytechnic/ Institute shall satisfy himself regarding the authenticity of all documents/certificates submitted by the candidates for the purpose of their admission in the Engineering Schools/ Polytechnic and shall be verified by the institution from the issuing authority. The Principal/ Authority of the verifying institution shall be held solely responsible for any ineligible/ irregular admission made in the Engineering schools/ the Polytechnics which shall not be regularized by the DET Committee.
- 5) If a candidate is admitted on the basis of the information submitted by him/ her, which is found to be incorrect/ false later on, his/ her admission shall be cancelled and all fees/ dues paid by him/ her shall be forfeited. The DTE&T, Odisha/ Institute may also take further action, as deemed fit, against the candidate and his/ her guardian in accordance with provisions of law.
- 6) Fulfilling eligibility for Diploma Engineering/ Diploma Engineering (Lateral Entry)/ Non-Engineering/ Film & TV courses with respect to qualification shall be proved by the candidate at the time of counseling. The candidate may seek admission at his/her own risk and cost and if he/ she is found ineligible at any time, his/ her entire dues shall be forfeited and his/her admission shall be cancelled for which he/she shall have no claim, whatsoever.
- 7) Candidates seeking admission in private unaided institutions are advised to ensure that they are lawfully admitted failing which, they shall not be authenticated by the DTE&T and shall not be registered by the State Council for Technical Education & Vocational Training (SCTE&VT), Bhubaneswar and they themselves shall be responsible for any such lapse.
- 8) The decision of the DTE&T, Odisha in all matters relating to the admissions shall be final and binding.
- 9) All disputes pertaining to examination and counseling for making admissions to all Diploma Courses for the session 2014-15 are subject to the jurisdiction of Courts at Cuttack only. The DTE&T shall be the legal authority in whose name the State may sue or may be sued for this purpose. No suit, prosecution or other legal proceedings shall lie against the State of Odisha or any Officer of the State Govt. or the Counseling Agency or SCET&VT, for anything which is done in good faith or intended to be done for the purpose of DET examination and counseling.
- 10) Always quote your Application Form No & Roll No of DET-2014 while making correspondence regarding admission to Diploma Courses.

2.2 IMPORTANT INFORMATION FOR CURBING RAGGING:

- 1) **The following will be termed as the act of ragging : Any disorderly conduct whether by words spoken or written or by an act, which has the effect of teasing, treating or handling with rudeness any other student(s), indulging in rowdy or indiscipline activities which causes or is likely to cause annoyance, hardship or psychological harm or to raise fear or apprehension thereof in fresher or junior student(s) or asking the student(s) to do any act or perform something, which such student(s) will not do in the ordinary course and which has the effect of causing or generating a sense of shame or embarrassment so as to adversely affect the physique or psyche of a fresher or a junior student.**
- 2) **Ragging in educational institutions is banned and any one indulging in ragging is likely to be punished appropriately, which may include expulsion from the institution, suspension from the institution or classes for a limited period or fine with a public apology. The punishment may also take the shape of (i) withholding scholarships or other benefits, (ii) debarring from representation in events, (iii) withholding results, (iv) suspension or expulsion from hostel or mess, and the like. If the individuals committing or abetting ragging are not/ cannot be identified, collective punishment can be awarded to act as a deterrent.**

- 3) In pursuance to the order of the Hon'ble Supreme Court passed in Civil Appeal No. (S) 24295/2004, if any incident of ragging comes to the notice of the Authority, the concerned student shall be given liberty to explain and if his/her explanation is not found satisfactory, the authority would expel him/her from the Institution.
- 4) Directions of the Hon'ble Supreme Court passed in the judgment of Civil Appeal No.887/2009 to control ragging in Educational Institutions should be strictly followed. As per the order of the Hon'ble Supreme Court some of the salient measures shall be taken for information of students/ guardians.
 - a. The serious view taken by the Hon'ble Supreme Court of India on ragging may be brought to the notice of all students
 - b. All senior students should be made aware of punishment to be awarded to them if they are found to be involved in ragging.
 - c. All students shall submit two affidavits (One by the student & other by his/her Parent/ Guardian) in the AICTE prescribed format collecting from the Institution, (duly verified by OATH COMMISSIONER) within a week of reporting to the effect that they will never be involved in ragging to their junior students during their study in the institute.
 - d. At the time of counseling students should be made aware to file complaints if seniors are indulging in ragging.
 - e. An institutional frame work should be put in place where the students can file complaint against ragging.

CHAPTER - 3

3.1.A. ELIGIBILITY CRITERIA FOR ADMISSION TO 1ST SEMESTER DIPLOMA IN ENGINEERING/ TECHNOLOGY

COURSE	DURATION	ENTRY QUALIFICATION	AGE AS ON 1.7.2014.
First semester diploma courses (All Engineering except Mining & Drilling)	3 years	Pass in HSC examination conducted by BSE, Odisha/ 10 th standard examination declared equivalent by BSE, Odisha and obtained at least 35 % marks in aggregate, securing 30% marks in each subject at the qualifying examination with English, Math & Science subjects.	Lower age 14 years and Upper age – No bar
First semester diploma courses (Mining & Drilling Engineering)	3 years	Pass in HSC examination conducted by BSE, Odisha/ 10 th standard examination declared equivalent by BSE, Odisha and obtained at least 35 % marks in aggregate securing 30% marks in each subject at the qualifying examination with English, Math & Science subjects.	Lower age 16 years and Upper age – No bar

3.1.B. ELIGIBILITY CRITERIA FOR ADMISSION TO 1ST SEMESTER / 1ST Year DIPLOMA NON-ENGINEERING

COURSE	DURATION	ENTRY QUALIFICATION	AGE AS ON 1.7.2014.
Modern Office Management (MOM).	3 years	Pass in 10+2 Examination from CHSE, Odisha or its equivalent examination in Science/ Arts/ Commerce recognized by CHSE and obtained at least 30% marks in each subject at the qualifying examination.	Lower age 16 years and Upper age – No bar
Hotel Management & Catering Technology (HM&CT)	3 years	Pass in +2 Examination from CHSE, Odisha or its Equivalent examination with Science/ Arts/ Commerce obtained at least 35% marks in aggregate securing at least 30% marks in each subject at the qualifying examination	Lower age 16 years and Upper age – No bar
Pharmacy	2 years	Pass in +2 Science Examination from CHSE, Odisha or its equivalent examination and obtained at least 35% marks in aggregate with Physics, Chemistry, Biology or Mathematics as approved by PCI and obtained at least 30% marks in each subject at the qualifying examination.	-do-

3.1.C. ELIGIBILITY FOR ADMISSION TO 3RD SEMESTER DIPLOMA IN ENGINEERING / TECHNOLOGY UNDER LATERAL ENTRY

COURSE	DURATION	ENTRY QUALIFICATION.	AGE AS ON 1.7.2014.
Third semester diploma courses (Lateral admission for eligible branches only)	2 years	Pass in +2 Science Examination from CHSE, Odisha or its equivalent examination with PCM / +2 Vocational (2 years course) in any Engineering Trades /2 years ITI in Engineering Trade with pass in HSC examination conducted by BSE, Odisha/ 10 th standard examination declared equivalent by BSE, Odisha and obtained at least 30% marks in each subject at the qualifying examination.	Lower age 14 years and Upper age – No bar

3.1.D. ELIGIBILITY FOR ADMISSION TO 1ST YEAR DIPLOMA IN FILM & TV COURSES OF BPFTIO, CUTTACK

COURSES	DURATION	ENTRY QUALIFICATION.	AGE AS ON 1.6.2014.
Cinematography	3 Years	10+2 science from any State Board/ICSE/CBSE with minimum 35% in aggregate.	16 to 28 years as on 1.6.2014.
Sound & TV Engg.	3 Years	10+2 science from any State Board/ICSE/CBSE with minimum 35% in aggregate.	Upper age limit is relaxed by 3 years for SC/ST candidates
Film & Video Editing	3 Years	10+2 science /Arts/Commerce from any State Board/ICSE/CBSE with minimum 35% in aggregate.	

N.B.

- A. **The list of 10th standard / HSC examinations of other Boards, declared equivalent by BSE, Odisha is available in its website i.e. www.bseorissa.in**
- B. **The candidate appearing the qualifying examination shall also apply. However he/she has to produce the said pass certificate (with minimum marks as mentioned above) at the time of counseling.**
- C. **In case of compartmental pass, the marks secured in first chance examination shall be considered for calculating the minimum percentage marks at the qualifying examination.**
 - 1) ITI / +2 Vocational (2 years course) pass out students in any Engineering Trades are eligible for admission to 80% seats of Lateral Entry in any discipline of Diploma Engineering Programme. For the rest 20% seats, +2 Science Pass out with PCM are eligible under Lateral Entry in Diploma Engineering programme (vide G.O. No. IXTTI-8/2009/4624/I, dt.26.03.2010)
 - 2) Seats remaining vacant in either of the aforesaid category will be filled up from other category and vice-versa as the case may be.
 - 3) +2 Science with PCM / +2 Vocational (2 years course) pass out students in any Engineering Trades and HSC / 10th standard examination declared equivalent by BSE, Odisha Pass with 2 years ITI pass certificate shall be admitted against 20% supernumerary seats in Govt. / Private Institutions.
 - 4) In case of under Matric, 2 years ITI Engineering Trade courses, the candidates should have passed HSC conducted by BSE, Odisha/ 10th standard examination declared equivalent by BSE, Odisha at the time of the application for admission to Diploma courses under Lateral Entry.
 - 5) Regarding COE Trade, the candidate should have passed one year BBT & 6 months Advanced Module. He/she has to produce the completion certificate of Specialized Module issued from the concerned Principal.
 - 6) The ITI candidates having Computer Operator and Programming Assistant (+2 entry level qualifications) are eligible for admission to only Computer Science & Engineering and Information Technology branch under lateral entry.
 - 7) **No admission will be done under Lateral Entry in Architecture Assistantship, all non-engineering and Film & TV courses.**

NB:

1. **To avail reservation, the candidate must be permanent resident of Odisha.**
2. **For admission to 3rd Semester Diploma Course under Lateral Entry, the candidate must be a permanent resident of Odisha.**
3. **The Govt. of Odisha / Diploma Entrance Test Committee, 2014 will not be responsible for any regulation of service/ employment where different requirement of age & other eligibility criteria exists. The candidate should take admission at his / her own risk as regard to age & other eligibility criteria regarding regulation of service.**
4. **Some seats in Diploma Courses outside the State are allotted by MHRD / AICTE for Odisha State Candidates. Minimum eligibility criteria and age limits as applicable in the concerned States will be followed for admission to those seats. The allotted seats in different states during 2013-14 are reflected at Chapter-9 as an indicator. However the latest allotted seats during 2014-15 will be reflected in our website: www.detodisha.nic.in before commencement of counseling.**

CHAPTER – 4

SCHEDULE FOR DET-2014

1	Submission of application forms ONLINE	FROM 10-03-2014 to 25-04-2014 (23.59 hrs.)
2	Deposit of application fee through ONLINE	FROM 10-03-2014 to 28-04-2014 (During Bank Hours)
2	Availability of DET- 2014 Roll No. and Centre list at Website: www.detodisha.nic.in	FROM 13-05-2014
3	Diploma Entrance Test (DET-2014) for admission to 1 st Semester Diploma in Engineering	18-05-2014 (Sunday) : 1 st Sitting : 10:00 AM to 12:30 PM (Candidate shall report by 9.30 AM)
	1 st Semester / 1 st year Diploma in Non-Engineering (B.C., HM&CT, MOM, Pharmacy)	2 nd Sitting : 2.00 PM to 4.30 PM (Candidates shall report by 1.30 PM)
	3 rd Semester Diploma in Engineering / Technology (Lateral Entry)	2 nd Sitting : 2.00 PM to 4.30 PM (Candidates shall report by 1.30 PM)
	1 st year Diploma in Film & TV Courses	2 nd Sitting : 2.00 PM to 4.30 PM (Candidates shall report by 1.30 PM)
4	Declaration of Result on Website : www.detodisha.nic.in	25-05-2014 (Lateral, Non-Engg. & FT) 28-05-2014 (Diploma Engineering)

N.B. :

1. The DET-2014 committee will not be held responsible for non-receipt of **ONLINE** application Form through DET website www.detodisha.nic.in for any reason what so ever may be.
2. Candidates shall report to the examination center well before the time, no entry shall be permitted after 10:00A.M. for 1st sitting and 2.00 P.M. for 2nd sitting.

CHAPTER – 5

HOW TO APPLY DET-2014 THROUGH ONLINE MODE

Before applying, candidates are advised to read the eligibility criteria at **Chapter-3** carefully. A candidate can apply for **DET-2014** through **ONLINE** mode only. If a candidate does not fill the category option to which he/she belongs, then he/she will be deemed to be a '**GENERAL**' category candidate.

1. To apply **ONLINE** application form for DET 2014, the applicant has to visit website <http://detodisha.nic.in>. Please use Internet Explorer 6.0 browser or above while applying online.
2. Download "Information Brochure for DET-2014" by clicking the link "Download".
3. Read carefully the Information Brochure before filling and submitting application form.
4. Click the link "Online Application Form" to fill the application form.
5. Follow the steps to fill and submit application form online:
 - i. Enter name of the candidate (as in the HSC / 10th Standard certificate)
 - ii. Choose Indian / NRI option (only one option can be chosen)
 - Indian (For Indian Resident)
 - NRI (For Non Resident Indian)
 - iii. Choose Domicile option (only one option can be chosen, please refer clause 9.1 in information brochure for clarification. This option is available for Indian resident applicants.)
 - S (Odisha State applicants)
 - Z (Outside Odisha State applicants)
 - L (Odias living in outlying odia speaking tract)
 - iv. Choose Category (only one option can be chosen. Please refer clause 9.2 (viii to ix) in information brochure for clarification. This option is available for "S" domicile applicants.)
 - SC (Scheduled Caste applicants)
 - ST (Scheduled Tribe applicants)
 - GE (applicants other than SC and ST category)

- v. Choose Sub Category (more than one option can be chosen. Please refer clause 9.2 (x to xvi) in information brochure for clarification. This option is available for “S” domicile applicants)
- GC (Children of Green Card Holder)
 - PH (Physically Handicapped)
 - ES (Children/Wards of Ex-servicemen)
 - NC (National Cadet Corps)
 - SP (Sports)
- vi. Choose Gender
- Male
 - Female
- vii. Course (Select only one from the available options, as the examination time table will not permit other combinations of courses)
- Diploma in Engineering Only
 - Diploma in Non-Engineering Only
 - Diploma in Film & TV Courses Only
 - Lateral Entry to Diploma in Engineering Only
 - Both Diploma in Engineering and Diploma in Non-Engineering
 - Both Diploma in Engineering and Diploma in Film & TV Courses
 - Both Diploma in Engineering and Lateral Entry to Diploma in Engineering
- viii. Select Board / Council of Examination
- ix. Select Qualifying Examination (Passed / to be passed before counseling).
- x. Enter Date of Birth (DD/MM/YYYY format) as per HSC / 10th Standard Certificate
- xi. Select 3 (Three) Choices of Examination Centres in order of preference

Candidates who desire to appear Diploma Engineering (Lateral) or Diploma in Non-Engineering Course or Diploma in Film & TV Courses or both Diploma Engg. & Diploma Engg. (Lateral) or Diploma in Engg. & Diploma in Non-Engg. Course or Diploma in Engg. & Diploma in Film & TV Course are allowed to appear the **DET-2014** at: **ANGUL, BALASORE, BARIPADA, BERHAMPUR, BHUBANESWAR, BOLANGIR, CUTTACK, JEYPORE, JHARSUGUDA, KEONJHAR and ROURKELA CENTRES** only. Accordingly he/she has to give choice of centre in order of preference.

LIST OF DET-2014 EXAMINATION CENTRES (Inside Odisha) WITH CENTRE CODE

Centre	Code	Centre	Code	Centre	Code	Centre	Code
Anandpur	01	Boudh	12	Keonjhar	23	Puri	34
Angul	02	Choudwar	13	Khurda	24	Rairangpur	35
Balasore	03	Cuttack	14	Koraput	25	Rayagada	36
Barbil	04	Deogarh	15	Malkangiri	26	Rourkela	37
Bargarh	05	Dhenkanal	16	Nawarangapur	27	Sambalpur	38
Baripada	06	Jagatsinghpur	17	Nayagarh	28	Sonepur	39
Berhampur	07	Jajpur	18	Nuapada	29	Sundergarh	40
Bhadrak	08	Jaleswar	19	Padampur	30	Soro	41
Bhawanipatana	09	Jeypore	20	Paradeep	31	Talcher	42
Bhubaneswar	10	Jharsuguda	21	Paralakhemundi	32		
Bolangir	11	Kendrapara	22	Phulbani	33		

LIST OF DET-2014 EXAMINATION CENTRES (Outside State) WITH CENTRE CODE

State	Centre	Code
Jharkhand	Jamshedpur	43
West Bengal	Kolkata (Salt Lake)	44
Bihar	Patna	45
Chhattisgarh	Raipur	46
Jharkhand	Ranchi	47

Any DET centre may be cancelled owing to poor response, operational difficulties or any other reason. Candidates may not necessarily be allotted a particular place as DET centre of their choice. Hence the decision of DET Committee in the allocation of the center shall be final.

xii. Choose "YES" if eligible for **TFW (TUITION FEE WAIVER) Scheme**

- a. The scheme shall be mandatory for all Institutions approved by the AICTE.
- b. 5% of the sanctioned intake per course shall be available for these admissions. These seats shall be supernumerary in nature.
- c. Sons and daughters of parents whose annual income from all sources is less than Rupees **4.5 Lakhs** or the amount fixed by the Government from time to time, shall only be eligible for seats under this scheme. The candidate has to submit a certificate as appended in Form-VIII at the time of document verification at NCC.
- d. The waiver is limited to the Tuition Fee as notified
- e. The scheme is only for "S" Domicile candidates who are permanent resident of Odisha.

N.B.: Candidates admitted under TFW scheme shall not be allowed to change their Branch/ Institution to which they are originally admitted.

- Yes (if eligible)
- No (if not eligible)

xiii. Enter Name of the Father/ Legal Guardian (as in the HSC / 10th Standard certificate)

xiv. Enter Complete Postal Address

xv. Enter Phone Number (including STD code)

xvi. Enter Mobile Number (10 digit only)

xvii. Enter Complete Permanent Address

xviii. Upload scanned image of recent color photograph of the applicant (50KB size)

xix. Upload scanned image of Full Signature of the applicant (20KB size)

xx. [Enter Security Pin Shown in Green Color](#)

6. Submit the application by clicking "Submit" option available in the application form. Applications complete in all respects will be displayed for confirmation / edit button. The candidate can either edit the DATA for any modification by clicking "Edit" option or confirm the Application Form by clicking "Confirm Application Form" option. After confirmation, the DATA can't be modified. The application number will be displayed on the screen.
7. Applicants who are not able to get or see application number after clicking "Confirm Application Form" option, their application form is not saved and they can fill and submit application form again.
8. On successful submission, an application number will be generated, the applicant has to remember or keep his/her application number by taking printout of the filled application form for future reference.
9. Then for payment of Application Fee click "**Payment Mode**". The applicant can pay the required application fee through **ATM-cum-Debit Card/ Credit Card/ Net Banking/ e-Challan at any Branch of AXIS Bank/ IDBI Bank**. Only the applications against which application fees is received will be considered and other applications against which application fees not received will be rejected.
10. To know the status of receipt of fees, please click on the link "**Check Fee Status**" in the website. [Fee receipt status for the applicant will be available after 24 hours \(excluding public holidays\) of depositing fees at Bank](#)

**For any type of query contact DET Call Centre
Phone No. 0671-2411600/2411601/2411602/ 2411603/2411604**

CHAPTER – 6

6.1 RULES FOR ENTRANCE EXAMINATION:

- i. The Diploma Entrance Test, 2014 will be held as per the scheduled date and time mentioned.
- ii. The medium of examination for candidates to be admitted in 1st Semester is English and Odia. The medium of Examination for candidates to be admitted in 3rd Semester under Lateral Entry (LE), Non-Engineering and Film & TV Course is English only.
- iii. The examination hall shall be opened to the candidates half an hour before the examination commences. No candidate will be allowed to enter in the examination hall without a valid original/ duplicate admit card.
- iv. Candidates are required to take their respective seats at least 20 minutes before the commencement of the examination, strictly according to the sitting chart notified earlier by the Centre Superintendent.
- v. Distribution of Question Booklets to the candidates should be made 15 minutes before the commencement of the Examination for filling up of required information in the Question Book-let & OMR Answer sheet.
- vi. The candidates shall be asked to break open the seal of the question Booklets 5 minutes before the commencement of the Examination for checking the order of the question Booklets. If any discrepancy in question book-let is noticed by the candidates, the same may be immediately informed to the invigilator for replacement.
- vii. **In no case a candidate is allowed to enter the examination hall after the examination starts.**
- viii. Attendance will be taken by the invigilators on the Attendance- cum-Verification sheets provided with full signature of candidates against their Roll Numbers, fifteen minutes before the commencement of examination. During examination the candidates have to enter against their Roll number, the set code of Question Booklet & OMR answer sheet, the application number and the Serial Number Question Booklet & OMR answer sheet which shall be verified by the invigilators.
- ix. No candidate will be allowed to leave the hall without surrendering his/ her OMR answer sheet until the examination is over. Ordinarily no candidate shall be allowed to leave the hall temporarily during the examination.
- x. Candidates suffering from any disease which renders their presence in the examination hall undesirable in the interest of other candidates will not ordinarily be allowed to enter the examination hall. Candidates are not allowed to have substitute writer.
- xi. Candidates should bring their own black/ blue ball pens, HB pencils for writing and blackening the circle. Books, printed papers (other than their Admit Cards) manuscripts, or electronic gadgets such as mobile phones, cell phones and electronic diary calculators etc should not be taken into the examination hall.
- xii. The candidates are advised to inspect the question booklet and answer sheet about its completeness before attempting to answer. In case page/ pages are found missing, torn or not in order, the candidates should immediately report to the invigilator and get a fresh question answer book issued after surrendering the defective one.
- xiii. Candidates are not permitted to talk to each other in the examination hall. No one should receive any help from or assist another in any manner. Malpractice of any form detected during or after the examination would entail not only cancellation of candidature but also more severe punishment as deemed fit by the DET Committee, 2014.
- xiv. A candidate should write his / her roll number as assigned in his/her admit card and sign in the space provided in the question booklet and answer sheet. He/ She should on no account write anywhere in the answer sheet his/her own name, roll number or anything else that is not strictly connected with the answers to the question given. Writing of any such thing or a false roll number is a serious offence. The answer sheet without the candidate's roll number clearly written in the space provided will not be examined.
- xv. A candidate wishing to say anything should stand up in his/her seat and remain standing until the invigilator attends to him/her. He/ She should on no account leave the seat or make any noise to draw the invigilator's attention.
- xvi. In any other matter not provided in these rules, the Centre Superintendent is empowered to take necessary decisions.
- xvii. The valuation of answer sheet will be done by machine/computer. Hence, revaluation/ rechecking of answer sheet is not permissible.

6.2 EXAMINATION PROCEDURE / VALUATION METHODOLOGY:

- A. There will be multiple choice type questions. The number of questions will be 100 & duration two and half hours. Each question shall have four answers (including one or more correct answer(s) and the examinee shall have to blacken only the appropriate circle (which he/she considers most correct) in HB pencil or black / blue ball point. Each correct answer shall fetch four marks whereas each incorrect answer will lead to deduction of one mark. Each un-attempted question will fetch zero. If more than one circle is darkened for one question, it will be treated as an incorrect answer and one mark will be deducted.
- B. All the eligible candidates will be awarded with a rank according to their merit rank drawn by 60% weightage

to DET-2014 marks & 40% weightage to qualifying examination marks.

- C. **Selection for admission to Diploma Engineering Courses (for both first semester and lateral) will be on the basis of merit rank** awarded as mentioned above at 'B'. For candidates obtaining equal marks in the merit, the candidates with higher marks in Mathematics in the DET-2014 will be placed at higher rank. If the candidates have same marks in Mathematics, the candidate having higher marks in Physics in the DET-2014 will be placed at a higher rank. If the candidates have same marks in Physics, then the candidate having higher marks in Chemistry in the DET-2014 will be placed at higher rank. For the candidates having same marks in Chemistry, the senior in Age will be placed at higher rank.
- D. **Selection for Admission to Diploma Non-Engineering courses will be on the basis of merit Rank** awarded as mentioned above at 'B'. For candidates obtaining equal marks in the merit, the candidate with higher marks in Mathematics in the DET-2014 will be placed at higher Rank. If the candidate has same marks in Mathematics, the candidate having higher marks in Science in the DET-2014 will be placed at higher Rank. For the candidate having same marks in Science, the candidate having higher marks in English in the DET-2014 will be placed at higher rank. For candidates having same marks in English, the candidates having higher marks in General Knowledge in the DET-2014 will be placed at higher rank. For candidates having same marks in General Knowledge, the senior in Age will be placed at higher rank.
- E. **Selection for admission to Film & TV Courses (for courses of BPFTIO, Cuttack) will be on the basis of merit rank** awarded as mentioned above at 'B'. For candidates obtaining equal marks in the merit, the candidate with higher marks in Mathematics in the DET-2014 will be placed at higher Rank. If the candidate has same marks in Mathematics, the candidate having higher marks in Science in the DET-2014 will be placed at higher Rank. For the candidate having same marks in Science, the candidate having higher marks in English in the DET-2014 will be placed at higher rank. For candidates having same marks in English, the candidates having higher marks in General Knowledge in the DET-2014 will be placed at higher rank. For candidates having same marks in General Knowledge, the senior in Age will be placed at higher rank.

6.3 WRONG / CORRECT WAYS OF MARKING:

Each question is followed by answers which have numbers A B C and D. Select the most appropriate answer. Then by using HB pencil or black/ blue ball pen darken the circle bearing the correct answer in the answer sheet against the corresponding number of the question. The wrong & correct method of answering is illustrated below:

Wrong & Correct Methods of showing your answer

WRONG METHOD	<input type="radio"/> A	<input type="radio"/> B	<input checked="" type="radio"/> C	<input type="radio"/> D	CORRECT METHOD	<input checked="" type="radio"/>	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D
WRONG METHOD	<input type="radio"/> A	<input type="radio"/> B	<input checked="" type="radio"/>	<input type="radio"/> D	CORRECT METHOD	<input type="radio"/> A	<input checked="" type="radio"/>	<input type="radio"/> C	<input type="radio"/> D
WRONG METHOD	<input type="radio"/> A	<input type="radio"/> B	<input checked="" type="radio"/>	<input type="radio"/> D	CORRECT METHOD	<input type="radio"/> A	<input type="radio"/> B	<input checked="" type="radio"/>	<input type="radio"/> D
WRONG METHOD	<input checked="" type="radio"/>	<input type="radio"/> B	<input checked="" type="radio"/>	<input type="radio"/> D	CORRECT METHOD	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input checked="" type="radio"/>

CHAPTER – 7

HOW TO GET ADMIT CARD & RANK CARD

1. **Admit Card** can be downloaded from the website : www.detodisha.nic.in
2. Information regarding the **DET – 2014 Roll No.** and **Examination Center** may be sought or browsed from website : www.detodisha.nic.in
3. A **Duplicate Admit Card** can also be obtained from the center superintendent on payment of ` .20/- with an application written by the candidate and two (2) nos. attested recent photographs of the candidate identical with the photograph uploaded in the **ONLINE** Application Form.
4. **Result of DET-2014**
 - i. Result will be available on the Websites: www.detodisha.nic.in
 - ii. **Rank card** can be downloaded from the website: www.detodisha.nic.in after the date of publication of **DET Rank**.
 - iii. **Re-valuation / Rechecking of answer sheet is not permissible.**

CHAPTER - 8

AVAILABILITY OF COURSES AND INTAKE CAPACITY

1. The seats shown below in different disciplines in Govt. & Private Institutes are as per the AICTE approval for 2013-14. Admissions for 2014-15 shall be made according to approval of AICTE for 2014-15.
2. Counseling shall be done for all seats of Govt. Engineering Schools / Polytechnics and Private Engineering Schools / Polytechnics and BPFTIO, Cuttack.
3. Admission to new Diploma Institutes will be made subject to AICTE approval during 2014-15 and admission will only be conducted through DET-2014 for the session 2014-15.
4. There are some seats reserved for ODISHA STATE students in Polytechnics of other state. The details of such discipline/ seats will be notified at the time of counseling schedule subject to receipt of confirmation from the MHRD/ AICTE, New Delhi in time. The seats approved by MHRD during 2013-14 are reflected below for the reference of the students.

List of Seats approved by MHRD during 2013-14

Sl. No.	Name of the Course	Name of Institution / State	No of Seats
1.	Printing Technology	RIPT, Jadavpur, West Bengal	06
2.	Photography	RIPT, Jadavpur, West Bengal	03

INTAKE CAPACITY OF GOVERNMENT ENGINEERING SCHOOLS/ POLYTECHNICS (DIPLOMA ENGINEERING & NON-ENGINEERING) DURING 2013-14

Sl No	NAME OF THE INSTITUTION	YEAR OF ESTT	CIVIL	ELECTRICAL	MECHANICAL	ELECTRONICS & TC	AUTOMOBILE	APP. ETC.& INST.	MINING ENGG	CHEMICAL	METALLURGY	COMP. SCIENCE	TEXTILETECH.	CERAMICS	ARCH. ASST.	ENGG DRILLING	INFORMATION TECH.	MOM	HMCT	PHARMACY	BIO TECHNOLOGY	MECHATRONICS	Cinematography	Sound & TV Engg.	Film & Video Editing	TOTAL
1	Bhubananada Orissa School of Engg., Cuttack	1923	80	80	80	40	40	40				40					20									420
2	BPFTIO, Cuttack (Autonomous)	1992																					20	20	20	60
3	Govt. Polytechnics, Berhampur	1995										40							40							80
4	Govt. Polytechnics, Dhenkanal	1986				20						40														60
5	GOVT. POLYTECHNIC, BALANGIR	2013	60	60	60		60																			240
6	GOVT. POLYTECHNIC, BALASORE	2013	60	60	60	60																				240
7	Govt. Polytechnic, Bhubaneswar	1978	40	20		40									30		40	20		60						250
8	GOVT. POLYTECHNIC, GAJAPATI	2013	60	60	60	60																				240
9	GOVT. POLYTECHNIC, KANDHAMAL	2013	60	60	60	60																				240
10	GOVT. POLYTECHNIC, KENDRAPADA	2013	60	60	60	60																				240

11	GOVT. POLYTECHNIC, NAWARANGPUR	2013	60	60	60	60																		240		
12	GOVT. POLYTECHNIC, SAMBALPUR	2013	60	60	60	60																		240		
13	GOVT. POLYTECHNIC, SONEPUR	2013	60	60	60	60																		240		
14	Indira Gandhi Institute of Tech., Sarang (Society)	1981	25	60	60	25				20														190		
15	Institute of Textile Technology, Choudwar (Society)	1983	40	40	40	40						40										40		240		
16	Jharsuguda Engineering School, Jharsuguda	1955	90	120	120	60									30									420		
17	Orissa School of Mining Engineering, Keonjhar	1956	30	30	30			60		30					30									210		
18	SKDAV Govt. Polytechnic, Rourkela	1967	40	40		40									30	30								180		
19	Uma Charan Patnaik Engg. School, Berhampur	1956	60	60	60	60			40		60				40							40		420		
20	Utkal Gourab Madhusudan Inst. of Tech, Rayagada	1979	40	40	40	40																		160		
21	Utkalmani Gopabandhu Inst. of Engg, Rourkela	1962	40	60	90	50			50	90			40											420		
Total			965	1030	1000	835	100	40	60	90	140	180	40	40	30	30	160	50	40	60	40	40	20	20	20	5030

N.B. : 1. No admission will be done under lateral entry in Arch. Asst. and all Non-Engineering courses.
2. Duration of all courses are 3 years except Pharmacy which is 2 years duration.

INTAKE CAPACITY OF PRIVATE ENGINEERING SCHOOLS/ POLYTECHNICS (DIPLOMA IN ENGINEERING & NON-ENGINEERING) DURING 2013-14

Sl. No.	Name of the Institute	AE&IE	AERONAUTICS	ARCH. ASST	AUTOMOBILE	CHEMICAL	CIVIL	COMP SCIENCE	ELECTRICAL	ELECTRICAL MECHANICAL	ETC	INFORMATION TECH	MECHANICAL	DIPLOMA IN MECHANICAL	METTALURGY	MINING	MLT	Total
1	ADARSHA SCHOOL OF ENGG. & INTERNATIONAL POLYTECHNIC, ANGUL						120	30	120		30		180			120		600
2	ARYAN INST. OF ENGG. & TECHNOLOGYPOLY, SUNDARGRAM, CUTTACK						120	30	120		30		120					420
3	ASIAN SCHOOL OF TECH., BANTALA, MUKTAPUR, KHURDA						90		60		60		90					300
4	AUMSAI INSTITUTE OF TECHNICAL EDUCATIONPOLY, BERHAMPUR						120		120		60		180					480
5	B.I.T. POLYTECHNIC, BALASORE						30	30	60		30		120					270
6	BADRI PRASAD INST. OF TECH., DEBAIPALI, SAMBALPUR						120		120		30		120					390
7	BAJIROUT INST. OF ENG. & TECH. (POLY), GOBINDPUR, DHENKANAL						60	60	60		60		60					300
8	BALAJI INST. OF TECH. & SCIENCE, KNOWLEDGE CENTRE, GUNUPUR						120		60		60		120					360
9	BALASORE SCHOOL OF ENGINEERING, BALASORE						90	30	120		60		120					420
10	BARAPADA SCHOOL OF ENGG. & TECH., BARAPADA, BHADRAK						120	60	90		90	30	120					510
11	BARUNEI INST. OF ENGG. & TECH.POLY, KHURDA						60	30	90		30		90					300
12	BERHAMPUR SCHOOL OF ENGG. & TECHNOLOGY, DORA, BERHAMPUR						90		120		90		90					390
13	BHADRAK ENGG. SCHOOL & TECH., ASURALI, BHADRAK						120	30	120		30		120					420
14	BHARAT INST. OF ENGG. & TECH., SIVRAM VIHAR, BERHAMPUR						60		60		60		60					240
15	BHUBANESWAR POLYTECHNIC, JANALA, BHUBANESWAR				60		60		90		30		120		30			390
16	BIJU PATNAIK INSTITUTE OF TECHNOLOGY, PHULBANI						60	30	60		60		90					300

17	BLACK DIAMOND SCHOOL OF ENGINEERING, BRAJRAJNAGAR						120	30	120		90		120					480
18	C.V. RAMAN POLYTECHNIC, BHUBANESWAR						120	30	120		60		120					450
19	CITY INST.OF TECHNICAL EDUCATION, KUANR MUNDA, ROURKELA						60		90		60		90					300
20	DHABALESWAR INSTITUTE OF POLYTECHNIC, ATHAGARH						90	30	120		60		120					420
21	DIVINE INSTITUTE OF ENGG. & TECH., PODA ASTIA, BARIPADA						60		60				60					180
22	DRIEMS POLYTECHNIC, TANGI, CUTTACK						120	30	120		60		240					570
23	GANAPATI INST. OF ENGG. & TECH.POLY, JAGATPUR, CUTTACK						90		90		60		120					360
24	GANDHI POLYTECHNIC, GOLANTHARA, KONISI, BERHAMPUR						120		90		60		120					390
25	GANDHI SCHOOL OF ENGG., PURUSOTTAMPUR, BERHAMPUR						60		120		60		120					360
26	GANESH INSTITUTE OF ENGG. & TECH.POLY, ANDHARUA, BBSR				30		60	30	120		30		180					450
27	GURUKRUPA TECHNICAL SCHOOL, NARSINGHPUR, CUTTACK						60	60	60		60		60					300
28	GURUKULA ENGG. SCHOOL, JAMAJHARI, CHATABAR, BHUBANESWAR						120		180				180					480
29	HI-TECH. INSTITUTE OF ENGG. & MGMT., RANITAL, BHADRAK						90		120		30		120					360
30	HI-TECH. INSTITUTE OF INFORMATION & TECH., UMERI, JEYPORE	30					60	30	60		45		60					285
31	HOLY INSTITUTE OF TECHNOLOGY, GOBINADPUR, GANJAM						90	30	120		60		120					420
32	IDEAL SCHOOL OF ENGG POLY, JHINKHARADA, KHURDA						60		60		30		60					210
33	INDUS SCHOOL OF ENGG., BARAKUDA, KHURDA						60		60		60		60					240
34	INSTITUTE OF ENGINEERING & MANAGEMENT, JEYPORE, KORAPUT				40		90	30	90		60		100					410

35	JEYPORE SCHOOL OF ENGG. & TECHNOLOGY, RONDAPALLI, JEYPORE						30	60		60		90					240
36	JHADESWAR INST. OF ENGG. & TECH., CHHANPUR, BALASORE					120		120		30		120					390
37	KALAHANDI SCHOOL OF ENGG. & TECH.POLY, BHAWANIPATNA					120	60	120		60		120					480
38	KALAM INSTITUTE OF TECHNOLOGYPOLY, BERHAMPUR					120		120		60		120					420
39	KALINGA INST. OF MINING ENGG. & TECH, CHHENDIPADA, ANGUL					80	40	90		60		90			60		420
40	KALINGA INST. OF ENGG. & TECHNOLOGY, FC PROJECT, JAJPUR					30		120		30		180			60		420
41	KALINGA NAGAR POLYTECHNIC, TARAPUR, JAJPUR					60		120				180		30			390
42	KALINGA POLYTECHNIC KIIT, BHUBANESWAR					60	60	60		60		80		30			350
43	KEONJHAR SCHOOL OF ENGINEERING, KEONJHAR					60		90				120		60	60		390
44	KOUSTAV SCHOOL OF ENGINEERING, PATIA, BHUBANESWAR					120		120		60		120					420
45	KRUPAJAL ENGINEERING SCHOOL, BHUBANESWAR					120	30	120		90		180					540
46	MAHALAXMI INSTITUTE OF TECH. & ENGG., MIRIGINI, RAJ NILAGIRI, BALASORE					60		60				60					180
47	MAHAMAYA INSTITUTE OF MEDICAL & TECH. SCIENCEPOLY, NUAPADA					90		60				60					210
48	MAHARAJA POLYTECHNIC, TARABOI, BEHIND BARUNEI HILL, BHUBANESWAR					60		120		60		180					420
49	MAYURBHANJ SCHOOL OF ENGINEERING, BARIPADA				30	120		120		60		120					450
50	MITS INSTITUTE OF POLYTECHNIC, RAYAGADA					60		90		60		100					310
51	MITS SCHOOL OF ENGINEERING, JANLA, BHUBANESWAR					40		60				120					220
52	NALANDA INST. OF TECHNOLOGY, CHANDAKA, BHUBANESWAR					90		120		60		180					450

53	NARAYANI INST. OF ENGG. & TECHNOLOGY, BANARPAL, ANGUL					90		180		30		180			60		540
54	NAYAGARH INSTITUTE OF ENGG. & TECHNOLOGY, NAYAGARH					60		60		60		60					240
55	NILACHAL POLYTECHNIC, BHUBANESWAR					60	30	120		90		240					540
56	NILASAILA INSTITUTE OF SCIENCE AND TECHNOLOGY, SERGARH, BALASORE					60		60				60					180
57	ORISSA INSTITUTE OF ENGG. & TECHNOLOGY, DHENKANAL					60	30	120	60	30		120	60			60	540
58	ORISSA SCHOOL OF ENGINEERINGPOLY, BERHAMPUR					30		60		30		60					180
59	OXFORD SCHOOL OF POLYTECHNIC DIPLOMA, BALIANTA, BHUBANESWAR				60	60		60		60		60					300
60	PABITRA MOHAN INSTITUTE OF TECHNOLOGY, TALCHER, ANGUL					60	20	120		40		120		30	60		450
61	PADMASHREE KRUTARTHA ACHARYA INST. OF ENG. & TECH., BARAGARH					60	40	120		80		120		60			480
62	PATHANI SAMANTA INSTITUTE OF ENGG. & TECH.POLY, DHENKANAL					60	30	120		30		120					360
63	PNS SCHOOL OF ENGG. & TECH. MARSAGHAI, KENDRAPARA					60	30	90		30		120					330
64	PURI ENGINEERING SCHOOLPOLY, BALIGUALI, PURI					60		90		60		90					300
65	PURNA CHANDRA INST. OF ENGG. & TECHNOLOGY, CHHENDIPADA, ANGUL					60		120				120			120		420
66	PURUSOTTAM SCHOOL OF ENGG. & TECH.POLY, MANDIAKUDUR, ROURKELA					75	30	120		30		120		30			405
67	RAJA KISHORE CHANDRA ACADEMY OF TECHNOLOGY, NILAGIRI, BALASORE					120		120		60		120					420
68	RAMARANI INSTITUTE OF TECHNOLOGY, BALASORE				30	120		120		30		120					420
69	RK INSTITUTE OF ENGG. & TECHNOLOGY, KANTAPADA, NIALI, CUTTACK					60		120				120					300

70	ROURKELA INSTITUTE OF TECHNOLOGY, KALUNGA, ROURKELA						50	40	120		50		120		40			420
71	SAMANTA CHANDRA SEKHAR INST.OF TECH. & MGT., SEMILIGUDA						60	60	90		60		90					360
72	SANJAY MEMORIAL INSTITUTE OF TECH., ANKUSPUR, BERHAMPUR						90	30	90		90		120					420
73	SATYA SAI SCHOOL OF ENGG.DIPLOMA, BALASORE						60		120		60		120					360
74	SIDDHARTHA INSTITUTE OF ENGG. & TECH.POLY, EKTAGUDA, KORAPUT						60		60				90					210
75	SRI POLYTECHNIC, KOMOND, ODAGAON, NAYAGARH				30		60		120		30		120					360
76	SSB REGIONAL INST. OF SC. & TECH.POLY, CHITRADA, MAYURBHANJ		60				60		120		60		120					420
77	SUDDHANANDA RESIDENTIAL POLYTECHNIC, NACHHIPUR, CUTTACK			30	30		60	30	90		30		90					360
78	SUNDERGARH ENGINEERING SCHOOL, KIREI, SUNDERGARH						90	60	90		60		90		30			420
79	SUSHREE INSTITUTE OF TECHNICAL EDUCATION, BOLANGIR						60	30	90		60	30	120					390
80	SWAMI VIVEKANANDA SCHOOL OF ENGG. & TECH.POLY, BBSR						60	30	120		30		120					360
81	UTKAL INSTITUTE OF ENGG. & TECHNOLOGY, RATHIPUR, KHURDA						60		60		30		60					210
82	VENUS GROUP OF EDUCATIONAL & REASERCH INSTITUTE, BAHANGA, BALASORE						60		60		60		60					240
83	VIKASH POLYTECHNIC, BARGARH						60	60	60		60		60					300
84	ZENITH INSTITUTE OF SCIENCE & TECHNOLOGY, JATANI, KHURDA						60		60		30		120					270
	Total	30	60	30	270	40	6485	1400	8190	60	3815	60	9520	60	340	540	60	30960

INTAKE CAPACITY OF PRIVATE ENGINEERING SCHOOLS/ POLYTECHNICS (DIPLOMA IN ENGINEERING, 2nd Shift and Part Time) DURING 2013-14

Sl. No.	Name of the Institute	AE&IE	AERONAUTICS	ARCH. ASST	AUTOMOBILE	CHEMICAL	CIVIL	COMP SCIENCE	ELECTRICAL	ELECTRICAL MECHANICAL	ETC	INFORMATION TECH	MECHANICAL	DIPLOMA IN MECHANICAL	METTALURGY	MINING	MLT	Total
1	BHUBANESWAR ENGINEERING COLLEGE BEC, GANGAPADA, BHUBANESWAR (2nd Shift)						60						60					120
2	HI-TECH INSTITUTE OF TECHNOLOGY, INDUSTRIAL ESTATE, KHURDA (2nd Shift)						60						60					120
3	OXFORD COLLEGE OF ENGINEERING & MANANGEMENT (2nd Shift)												60					60
4	TECHNO SCHOOL, PATRAPADA, BHUBANESWAR (2nd Shift)								60				60					120
5	ADARSHA COLLEGE OF ENGINEERING, ANGUL, (2nd Shift)												60			60		120
6	ADARSHA SCHOOL OF ENGINEERING & INERNATIONAL POLYTECHNIC, ANGUL, (2nd Shift Part Time)								60				60					120
7	BRM INTERNATIONAL INSTITUTE OF TECHNOLOGY, PANDRA, BHUBANESWAR, (2nd Shift)								60				60					120
8	EASTERN ACADEMY OF SCIENCE & TECHNOLOGY (EAST), PHULNAKHARA, (2nd Shift)								60				60					120
9	GANDHI INSTITUTE FOR EDUCATION & TECHNOLOGY, BANATANGI, KHORDHA, (2nd Shift)						60						60					120
10	GANDHI INSTITUTE OF SCIENCE & TECHNOLOGY, KHOLIGUDA, RAYAGADA, (2nd Shift)						60						60					120

11	HI-TECH INSTIYUTE OF INFORMATION AND TECHNOLOGY, JEYPORE, (2nd Shift)						60						60					120
12	KRUPAJAL ENGINEERING SCHOOL, PRASANTIVIHAR, BHUBANESWAR, (2nd Shift)						60						60					120
13	NIGAM INSTITUTE OF ENGINEERING & TECHNOLOGY, BARANGA, CUTTACK, (2nd Shift)								60				60					120
14	RAYAGADA INSTITUTE OF TECHNOLOGY & MANAGEMENT (RITM), PITAMAHAL, RAYAGADA, (2nd Shift)						60						60					120
15	SHIBANI INSTITUTE OF TECHNICAL EDUCATION, JANLA, BHUBANESWAR, (2nd Shift)								60				60					120
Total		0	0	0	0	0	420	0	360	0	0	0	900	0	0	60	0	1740
Grand Total		30	60	30	270	40	6905	1400	8550	60	3815	60	10420	60	340	600	60	32700

N.B. 1. The sanctioned intake for the session 2014-15 to be approved along with the new institutes will be made available in our website (www.detodisha.nic.in) before commencement of counseling.

* MOM is a non-engineering branch

Abbreviations used for Branch Names :

AE – Aeronautical Engineering ; AE&I – Applied Electronics & Instrumentation ; Arch. Asst. – Architecture Assistantship ; Auto – Automobile Engineering ; BC – Beauty Culture ; Bio-Tech – Biotechnology ; Chem. – Chemical Engineering ; DME – Diploma in Mechanical Engineering ; E&ME – Electrical & Mechanical engineering ; IT – Information Technology ; Meta – Metallurgy ; Min – Mining ; FT – Food Technology ; MOM – Modern Office Management ; Phar. – Pharmacy ; HMCT – Hotel Management & Catering Technology ; MLT – Medical Laboratory Technology

CIN – Cinematography ; F & VE – Film & Video Editing ; S & TV – Sound & Television Engineering ; (Courses of BPFTIO, Cuttack)

CHAPTER – 9

RULES FOR ADMISSION

9.1 DOMICILE:

Odisha State Candidates (S – Domicile)

For admission to Engineering Schools/ Polytechnics under State Domicile, a candidate has to satisfy at least one of the following 3 criteria.

- i) The Candidate must have passed or appeared H.S.C/ 10th examinations declared equivalent by BSE, Odisha from any of the recognized institution in the State subsequently passed.
- ii) Parent of the candidate must be permanent resident of Odisha. To claim benefit under this class, candidate shall furnish a permanent resident certificate from a Revenue Officer not below the Rank of Addl. Tahasildar of the area where his/her parents have permanent residence in **Form-V**.
- iii) Sons/ daughters/ spouse of the permanent employees of the Government of Odisha/ Government of India/ Government of Odisha undertakings/ Government of India undertaking serving in the State of Odisha at the time of application. To claim this benefit under this **S-Domicile**, candidate has to submit a certificate from the Employer of his/her parents/spouse in the prescribed form in **Form-IV**.

NB : However, a candidate coming under 'S' domicile, but not permanent resident of Odisha is not eligible to claim reservation.

Outside State Candidates (Z – Domicile)

Any candidate who does not satisfy any of the criteria for the 'S' Domicile will be treated as outside State Candidate (Z). 15% seats are reserved for "Z" candidates in 1st Semester of Private Polytechnics /Engineering Schools only.

Odias living in outlying Odia speaking tracts (L – Domicile)

0.5% seats are reserved for Odia students living in the outlying Odia speaking tracts in 1st Semester/ year only.

9.2 RESERVATION OF SEATS UNDER STATE DOMICILE:

There are some seats as mentioned below reserved for SC / ST / Son & Daughter of Green Card holders / ES / PH / Women / SP / NCC category wise as per Govt. directives from time to time.

1.	For SC	15%
2.	For ST	23%
3.	For Children of Green Card Holder	5%
4.	For Children / Wards of Ex-Servicemen	2%
5.	For Physically Handicapped	3%
6.	For Women students in all Co-ed polytechnics Engineering Schools in each category	15%
7.	The sports candidate representing the state during last two years	0.5%
8.	Candidate passing NCC (A or B or C certificate examination)	1%

N.B. : (1) In case of change in percentage/ condition of reservation of seats mentioned above on the basis of order / instruction of competent authority, it will be intimated to the candidates before commencement of counseling and admission shall be made accordingly. (2) In case of BPFTIO courses, the candidate may refer to brochure at **Chapter-12**.

- i. Reservations are available for candidates of Odisha State only. Any candidate claiming admission under these reserved categories has to produce the permanent resident certificate from the Competent Authority in Form-V.
- ii. The reservations are applicable for all seats in Government Engineering Schools/ Polytechnics except some seats at IGIT&ITT, OSME and 80% seats of Private Engineering Schools /Polytechnics with the provision of 5% intake to be filled up by NRIs.
- iii. No reservation of seats is available against the seats located outside the State by MHRD/ AICTE.
- iv. Reservation of seats at IGIT, Sarang & OSME, Keonjhar : 24 seats (i.e. Civil-08, Electrical-08 & Mechanical-08) at IGIT, Sarang & 16 seats in Mining Engineering at OSME, Keonjhar are reserved for the children of Coal Mines workers. Such candidates may apply directly to the **CHIEF PERSONNEL MANAGER, MAHANADI COAL FIELDS LTD., JAGRUTI BIHAR, PO-UCE BURLA, SAMBALPUR-768 018** for selection. The sponsored candidates of MCL need not appear the DET-2014. Any changes made in regard to reservation of seats in the Institutions shall be notified at the time of counseling.
- v. Reservation of seats in Textile Tech. in ITT, Choudwar : 5 seats in Textile Technology at ITT, Choudwar are reserved for the Weavers' Community, sponsored by Director of Textile, Odisha. Candidate with requisite qualification desirous of selection under this provision may apply directly to the Director of Textiles, Odisha, Bhubaneswar. These sponsored candidates also need not appear the DET-2014. Any changes made in regard to reservation of seats in the Institutions shall be notified at the time of counseling.

- vi. **Women & Physically Handicapped candidates are not eligible for admission to Mining Engineering & Drilling Engineering Courses.**
- vii. The Selected Candidates other than Physically Handicapped shall have to produce a Medical Fitness Certificate from a Government Doctor not below the rank of Asst. Surgeon to the effect that the candidate is fit to prosecute studies in Engineering Schools & Polytechnics in **Form-VII**. However Government of Odisha / DET Committee will not be responsible if a candidate faces difficulty during the course of study or during employment on medical ground. A candidate intending to take admission in **HMCT** will have to furnish a separate medical fitness certificate in **Form-VI**.
- viii. Candidates belonging to SC/ST (**by birth not by marriage or adoption**) reserved category shall furnish original Caste Certificate in the proforma in **Form-I** from the competent authority at the time of document verification.
- ix. Scheduled Caste / Tribe persons who have migrated from the State of Origin to some other state for the purpose of seeking education, employment etc. will be deemed to be Scheduled Caste / Tribe of the State of his origin and will be entitled to derive benefits from the state of origin and not from the State to which he has migrated (Vide Govt. of India letter No. BC/16084, 1.82-SC and BCS/dated 22.02.1985).
- x. Candidates applying under Green Card reservation shall submit original Green Card at the time of document verification The Green card must have been issued by Family Welfare Department, Government of Odisha and should not have been used more than once prior to claiming admission under this reservation.
- xi. Candidates applying under Ex-Servicemen reservation shall have to furnish original certificate in the prescribed format in **Form-II** at the time of document verification.
- xii. In case of Physically Handicapped candidates, certificate from the Chief District Medical Officer indicating the percentage of handicap and recommendation that he/she shall be able to prosecute studies in the courses offered in Engineering Schools/Polytechnics shall have to be submitted in original for verification at the time of Counseling. The candidates having 40% disability and above, as approved by competent authority will be considered under the seats reserved for PH candidates. If any candidate fails to produce such certificates from the CDMO along with physically handicapped identity card issued by District Social Welfare Officer (DSWO) on the day of Counseling, then his / her case will not be taken into consideration under PH reservation.
- xiii. Candidate applying under **Z** category shall have to submit the original HSC / 10th standard certificate along with mark sheet of the institute located in their State which is declared equivalent by the Board of Secondary Education, Odisha, Cuttack and Resident Certificate of their State at the time of document verification.
- xiv. Candidates applying under **L** category shall have to submit original certificate in the prescribed **Form-III (Part-I & II)** at the time of document verification.
- xv. Candidates applying under sports reservation shall submit original sports certificate issued/countersigned by Director of Sports and Youth Services, Odisha or any competent authority as declared by Government from time to time at the time of document verification. Such candidates must have represented the state in the sports events at the national level within two years time prior to the year of admission vide G.O. No. 81376 dt.11.12.1996, Govt. of Odisha and letter No. 24875 dt.13.12.1993 and as per clarification received from Government from time to time.

SPORTS EVENTS (Admissible)

Archery	Hand Ball	Weight Lifting	Tae-Know-Do
Athletics	Hockey	Wrestling	Tennikoit
Badminton	Judo	Ball- Badminton	Yatching
Basket Ball	Kabadi	Chess	Throw Ball
Boxing	Kho-Kho	Karate-Do	Base-Ball
Cricket	Swimming	Power Lifting	Body- Building
Cycling	Table Tennis	Rifle Shooting	Yoga
Foot Ball	Lawn Tennis	Roller Skating	
Gymnastics	Volley Ball	Soft-Ball	

- xvi. Candidates applying under NC reservation must submit original NCC A or B or C certificate from competent authority at the time of document verification.
- xvii. As per RESOLUTION No.5267/etet, dt.19.12.2012, 30% of the seats in all categories (except outside state and Odias living in the outlying Odia speaking tracts) will be kept reserved for Women candidates in all Govt. and Private Diploma co- education Institutes w.e.f the academic session 2013-14.

- xviii. **The procedure of refund of fees will be as per AICTE guide lines / instructions issued by Govt. from time to time.**
- xix. **Admission under Tuition Fee Waiver (TFW) Scheme**
- The scheme shall be mandatory for all Institution approved by the AICTE.
 - 5 % of the sanctioned intake per course shall be available for these admissions. These seats shall be supernumerary in nature.
 - Sons and daughters of parents whose annual income is less than Rupees 4.5 Lakhs or the amount from all sources fixed by Govt. shall only be eligible for seats under this scheme.
 - The waiver is limited to the Tuition Fee as notified by Government. Accordingly the eligible candidate may select the option Yes.
 - This scheme is only for 'S' Domicile candidates who are permanent resident of Odisha.
- xx. 5% of seats within sanctioned intake is reserved for admission of sons and daughters of Non-Resident Indians (NRIs). In the event of non availability of candidates under NRI, the seats meant for them shall be filled up by the general candidates as per the AICTE guidelines issued in this regard.

RESERVATION OF SEATS for BPFTIO, Cuttack :

There are some seats as mentioned below reserved for SC / ST / Son & Daughter of Green Card holders / for children / wards of ES category wise as per Govt. directives from time to time.

1.	For SC	15%
2.	For ST	23%
3.	For Children of Green Card Holder	5%
4.	For Children / Wards of Ex-Servicemen	2%

N.B. : In respect of any other matter relating to admission, the decision of the DET Committee 2014 shall be final.

9.3 FEE STRUCTURE

GOVERNMENT AND PRIVATE INSTITUTIONS:

- 1st YEAR :** The admission fee for Government Institutions & Textile Technology at ITT, Choudwar is ` .5800/- per year and for private Institutions & OTHER branches at ITT, Choudwar was ` .26600/- per year. Similarly for admission under Tuition Fee Waiver (TFW) scheme, SC & ST category is fee ` .3300/- per year for Govt. Institutions & Textile Technology at ITT, Choudwar. For Private Institutions & OTHER branches at ITT, Choudwar (Self Financing scheme) the fee under TFW scheme is ` .6600/- per year.
 - 2nd/3rd YEAR :** The admission fee shall be collected at the institute level by deducting the caution money i.e. ` .500/- and student welfare fee ` .300/- as fixed in 1st year.
- Besides this, the migration fee @ ` .25/- shall be charged for the new entrant, if he/she is from other Boards/ Council and ` .50/- shall be charged from each candidate towards verification of their 10th pass/ HSC or its equivalent pass certificate. Besides, for examinations etc. fees as charged by the State Council for Technical Education & Vocational Training, BBSR shall have to be paid by the candidates at the Institution.

HOSTEL FACILITIES (Government Institutions) : Limited hostel facilities are provided subject to vacancy to the Boys in Co-educational Govt. Engineering Schools/ Polytechnics and Women students in UGIE, Rourkela, BOSE, Cuttack., UCPEs Berhampur, JES Jharsuguda, O.S.M.E, Keonjhar, ITT, Choudwar, IGIT, Sarang, UGMIT, Rayagada. Besides, limited seats in Women's hostels are also available in all Govt. Polytechnics. The **Hostel Fees @ ` .3000/- (Rupees Three thousand) per annum** will be collected which may be changed as per the Orders of the Government from time to time.

9.4 MERIT LIST:

a) S-Domicile:

Separate merit list for all qualifying candidates shall be drawn on the basis of the merit rank drawn by 60% weightage to DET-2014 marks & 40% weightage to qualifying examination marks in the following manner.

- One "General Merit List" for all candidates seeking admission to Diploma Engineering / Technology courses.
- In addition, Separate Merit Lists will also be drawn for candidates qualifying under each of the reservation category.
- Similarly a merit list will be drawn for lateral admission category for ITI / +2 Vocational candidates.**
- A merit list will be drawn for Lateral Admission for +2 Science with PCM as stated above.**
- Separate merit list of all qualifying candidates for Non-Engineering courses shall be drawn.
 - One "General Merit List" for all candidates seeking admission to Diploma Engineering / Technology courses.

- b. In addition, Separate Merit Lists will also be drawn for candidates qualifying under each of the reservation category.
- vi. Separate merit list of all qualifying candidates for Film & TV courses shall be drawn by giving additional weightage as mentioned in **Chapter-12**.
- a) One "General Merit List" for all candidates seeking admission to Diploma Engineering / Technology courses.
- b) In addition, Separate Merit Lists will also be drawn for candidates qualifying under each of the reservation category.
- b) Z- Domicile:**
Separate merit list will be drawn for outside State Candidates. 15% seats are reserved for "Z" candidates effective from 2010-11 vide **G.O. No.IXTTI-8/2009 / 4624/I, Dt.26.03.2010**, which is applicable to **Private Polytechnics/ Engineering Schools** only. The Z domicile candidates who have passed the qualifying examination from the Institute located in the State of Odisha are also eligible for admission to 3rd Semester LE courses under "GE" category.
- c) L- Domicile:**
Separate merit list will be drawn for L candidates for admission to seats reserved for them. However they will also be included in the merit list of Z candidates. The L domicile candidates who have passed the qualifying examination from the Institute located in the State of Odisha are also eligible for admission to 3rd Semester LE courses under "GE" category.

N.B.: Each successful candidate of all categories shall be given a RANK card.

9.5 Change of Branch and Transfer

- A student admitted into a particular Institution/ Course cannot be allowed to change his/her branch in the 1st year. However, such change of branch may be allowed by the Principal of a particular institution in the 3rd semester after duly notifying the vacancies. Change may be allowed as per the mark in the 1st semester examination conducted by the SCTE&VT, Odisha in order of merit.
- Change of institution, may be considered by the DTE&T, Odisha in the 3rd / 5th semester only from one Government institution to another Government institution or from one Private Institution to another Private institution subject to availability of vacancy and as per rule prescribed by SCTE&VT, Bhubaneswar.
- Transfer from one institution to another at higher semester in same branch may be allowed which is at the discretion of DTE&T/ Government and subject to availability of vacancy.
- A candidate so admitted shall have to maintain discipline in the institute/hostel premises and will abide by all the prescribed rules / procedure/ orders for which he/she shall have to furnish an under taking at the time of admission. In case he/she is found to be involved in ragging / misbehaving fellow junior students then he/she will be suitably punished including fine / suspension from one or more semester / issue of Compulsory T.C.
- Candidates admitted under TFW scheme shall not be allowed to change their Branch/ Institution to which they are originally admitted.

CHAPTER – 10

DOCUMENT VERIFICATION

10.1 ORIGINAL DOCUMENTS TO BE BROUGHT ON THE DAY OF REPORTING AT THE NODAL CENTRE for COUNSELLING (NCC):

(Refer other important information also)

Applicants shall have to report **personally** with the 'ADMIT CARD and RANK CARD' exactly at the time, date and venue as per the counseling programme to be notified. He/ She is also required to produce the following original documents as applicable at the time of reporting at the NCC.

- Pass certificate of High School Certificate (HSC) examination awarded by BSE, Odisha /10th standard examination certificate declared equivalent by BSE, Odisha in support of qualifying examination.
- Mark sheet of HSC examination awarded by BSE, Odisha/10th standard examination declared equivalent by BSE, Odisha securing minimum marks as per the eligibility criteria. (Refer Chapter-3).
- Caste Certificate (SC/ST) from competent authority issued in the proforma in **Form-I** / the prescribed format of the competent authority not earlier than January 2013.
- Sports Certificate issued /countersigned by the Director of Sports & Youth Services, Odisha or by the competent authority as declared by the Govt. from time to time (in case of candidates claiming reservation under Sports).
- NCC certificate (A, B or C) from appropriate authority (in case of candidates claiming reservation under NCC)

- vi. Green Card of parent issued by concerned CDMO (in case of candidates claiming seats under Green Card category).
- vii. Certificate in **Form-II** from the competent authority for reservation under Ex-Servicemen quota.
- viii. **Z** candidates have to produce the following certificates :
 - a) Residential Certificate from the Competent authority of their State.
 - b) Mark sheet of HSC examination /10th standard examination of the institute located in their State, declared equivalent by BSE, Odisha securing minimum marks as per the eligibility criteria. (Refer Chapter-3).
- ix. **L** candidates have to produce the following certificates :
 - a) Residential Certificate from the Revenue Officer not below the Rank of Tahasildar that he/she belongs to outlying Oriya speaking tracts in **Form-III (Part-I)**.
 - b) Mark sheet of M.E. or H.S.C examination in support of having Oriya as a subject at M.E. or H.SC examination in **Form-III (Part-II)**.
- x. Employers' certificate in Form-IV as applicable.
- xi. Permanent Residence Certificate (in case of reservation category / Lateral Admission) in Form-V as applicable, failing which the claim for Reservation / Lateral Admission shall not be considered.
- xii. Physically Handicapped certificate from CDMO along with identity card issued by District Social Welfare Office (DSWO) and fitness certificate from CDMO for prosecuting study in courses offered in Engineering Schools / Polytechnics.
- xiii. ITI Pass/ +2 Science (PCM) / +2 Vocational pass certificate & mark sheet issued by SCTE&VT, Odisha/ CHSE/ 12^h standard examination declared equivalent by CHSE, Odisha respectively.
- xiv. Annual Income Certificate as appended in **Form-VIII / in the format** from the competent authority in case of candidate claiming seats under TFW category not earlier than April 2014
- xv. Medical fitness certificate from Government Doctor not below the rank of Asst. Surgeon in form-vii. But in case of Physically Handicapped candidates, fitness certificate from the Chief District Medical Officer to be submitted that he/she shall be able to prosecute studies in the courses offered in Engineering Schools/ Polytechnics. A candidate intending to take admission in **HMCT** will have to furnish a separate medical fitness certificate in **Form-VI**.

10.2 ORIGINAL DOCUMENTS TO BE SUBMITTED ON THE DAY OF REPORTING AT THE FINALLY ALLOTTED INSTITUTE.

- (i) Final downloaded Seat Allotment Letter from the website.
- (ii) Fee deposit slip (institute copy) in respect of seat allotment.
- (iii) Conduct Certificate and SLC / CLC from the institution last studied.
- (iv) Recent passport size photographs duly attested.
- (v) Migration Certificate in case of candidates passing 10th standard examination from any Board other than Board of Secondary Education, Odisha .

10.3 All original certificates are subject to verification by issuing authorities. The candidate should be very careful in submitting the certificates during counseling. The head of the Institutes are being instructed to get all documents verified within Six (06) months, failing which the candidates will not be allowed to continue in 3rd / 5th Semester / 2nd year.

CHAPTER – 11

How to enter the marks secured in the qualifying examination

1. To enter the marks secured in the qualifying examination **ONLINE**, the applicant has to visit website <http://detodisha.nic.in>. Please use Internet Explorer 6.0 browser or above while applying online.
2. Download and read carefully the “Instruction for Marks Entry” by clicking the link under “Download”.
3. Click on the “Candidate Mark Entry” tab to fill and submit the Mark Entry form
4. Follow the steps to fill and submit the Mark Entry.
 - i. Enter the Name of the qualifying examination
 - ii. Enter the Name of Examination conducting Board/ Council-
 - iii. Enter the Roll No of the qualifying examination
 - iv. Enter the Year of passing the qualifying examination
 - v. Enter the mark details

Full marks/ Grade Points of all compulsory subjects	Total Marks of all Compulsory Subjects / Grade secured	% of marks up to 2 decimal (For Grade conversion of marks as per the norms of the respective Board)

Example-1 : The candidate having passed 10th standard from HSC Board conducted by BSE, Odisha secured **452** marks out of all compulsory subjects of total full marks of **600**, he/she has to fill up the table in the following manner.

Full marks/ Grade Points of all compulsory subjects	Total Marks of all Compulsory Subjects / Grade secured	% of marks up to 2 decimal (For Grade conversion of marks as per the norms of the respective Board)
600	452	75.33 %

Example-2 : The candidate having passed the qualifying examination from CBSE Board, secured **8.3 CGPA** in all compulsory subjects out of total Grade Point of **10**, he/she has to fill up the table in the following manner.

Full marks/ Grade Points of all compulsory subjects	Total Marks of all Compulsory Subjects / Grade secured	% of marks up to 2 decimal (For Grade conversion of marks as per the norms of the respective Board)
10	8.3	$8.3 \times 9.5 = 78.85$ %

Example-3 : The candidate having passed 10th standard from ICSE Board or NIOS, secured **458** marks out of all subjects of total full marks of **600**, out of which he/she has secured **401** Marks in 5 compulsory subjects of total full marks of **500** by deducting the marks secured in optional subjects, to fill up the table in the following manner.

Full marks/ Grade Points of all compulsory subjects	Total Marks of all Compulsory Subjects / Grade secured	% of marks up to 2 decimal (For Grade conversion of marks as per the norms of the respective Board)
500	401	80.20 %

INFORMATION BROCHURE OF

**BIJU PATTANAİK
FILM & TELEVISION INSTITUTE OF ORISSA,
CUTTACK-753007**

1. Introduction :

Government of Odisha has established an autonomous Institute in the name and style of Biju Pattnaik Film & Television Institute of Odisha (BPFTIO) under World Bank assisted scheme to meet the emerging demand of well trained technical manpower in the field of television network and film production activities. Situated on the bank of river Mahanadi, BPFTIO occupies an independent space in the sprawling campus of Bhubanananda Odisha School of Engineering (BOSE), Cuttack the oldest Engineering School of the State. Funded by Government of Odisha, Department of Employment and Technical Education & Training, the institute offers diploma courses in 3 disciplines such as **Cinematography, Sound & TV. Engineering and Film & Video Editing.**

BPFTIO has some of the most advanced and sophisticated equipments in the Eastern Region and all the three disciplines are managed by experienced faculties. Fourteen batches of students in Cinematography, Eleven batches both in Sound & TV. Engineering and Film & Video Editing have successfully completed their course till date. Almost all the diploma holders of the institute have found gainful employment in Government and Private sector, Media channels, Television & Film industry.

2. Courses at a glance :

Sl. No	Course	No. of seats	Duration	Entry Qualification
1.	Cinematography	20	3 Years	10+2 Science from any State Board / ICSE/ CBSE with minimum 35% marks in aggregate
2.	Sound & TV Engineering	20	3 Years	-do-
3.	Film & Video Editing	20	3 Years	10+2 Sc / Arts / Commerce from any State Board / ICSE/ CBSE with minimum 35% marks in aggregate
+2 Vocational candidates are not eligible				

- **Age limit** - 16 to 28 years as on 1.6.2014. For SC/ST candidates upper age limit is relaxed by 3 years.

3. Course details & Scope of employment:

The institute offers three years of diploma programme in the major technical areas of film-making. The first year course of study has been kept common as foundation for all the three disciplines with a view to provide basic knowledge and skill of film making. Second year and third year courses are specific to individual diploma course with the aim to enable the students to specialise in the respective disciplines.

During training, the students are provided with adequate theoretical and practical inputs for developing appropriate competency, so that, after completion of the specific programme they become acceptable in the job market of Film & Television industry in their respective fields.

Cinematography : The Department of Cinematography is well equipped with 16mm & 35mm film cameras, analogue and digital video cameras. Besides there is an air-conditioned shooting floor with multi camera set up for online recording. After completion of the course the students get opportunity to be absorbed as Cameraperson in various television channels, Doordarshan and other Government organisations. Besides they have openings in the field of feature film production, documentaries, corporate films, tele-films, tele-serials & advertisement film productions.

Sound & Television Engineering : The Department has two sound studios equipped with a number of analogue and digital equipment alongwith audio workstation. The course offered is an amalgamation of technology and aesthetics. During the specialisation the students go through the complexities of recording systems and get hands-on experience in studio & location recording both in film & video format. After passing out from the institution, they get opportunity to work as recordist in music, dubbing, re-recording studios, film and video production houses, media channels, All India Radio & Doordarshan Kendras.

Film & Video Editing : The Department is well equipped with analogue and digital, professional and broadcast quality video and film editing equipments. Besides, theoretical inputs, students are provided with hands-on-practice in liner and non-linear modes of editing both in film & video format which helps them to understand the craft and creative dimension of film making. After completion of studies, students are absorbed in Private Editing set ups, Television channels & Doordarshan.

4. Award of diploma :

State Council for Technical Education & Vocational Training, Odisha, Bhubaneswar conducts annual examination & awards diploma after completion of three years.

5. Apprenticeship Training :

Provision of one year Post Diploma apprenticeship training by Board of Practical Training(Eastern Region), Government of India is optional. The pass outs / Diploma holders may apply for apprenticeship training depending upon the availability of seats identified by BOPT, Kolkata.

6. Reservation of seats :

Reservation of seats under different categories are indicated below :

1	For SC Candidates	-	15%
2	For ST Candidates (by Birth not by marriage or adoption)	-	23%
3	Women students in each category	-	30%
4	OUTSIDE STATE CANDIDATES - Two seats out of 20 in each discipline are reserved for Candidates belonging to any State in India outside Odisha.		

Candidates applying for admission against the above seats shall have to submit the following certificate/ certificates.

- i) Candidates belonging to SC/ST (**by birth not by marriage or adoption**) reserved category shall furnish Caste Certificate **issued not prior to 2013 from the Tahasildar** in the prescribed form enclosed in **Annexure-A**.
Scheduled Caste / Tribe persons who have migrated from the State of Origin to some other state for the purpose of seeking education, employment etc. will be deemed to be Scheduled Caste / Tribe of the State of his origin and will be entitled to derive benefits from the state of origin and not from the State to which he has migrated (Vide Govt. of India letter No. BC/16084, 1.82-SC and BCS/dated 22.02.1985).
- ii) Residence certificate is required to be submitted in **Annexure-B** by the candidates of Odisha whose MIL at the HSC or equivalent examination level is other than Oriya. Candidates who are permanent residents of Odisha having Oriya as MIL in the above examination need not submit residence certificate.
- iii) For the candidates, who are not permanent residents of Odisha, but whose parent/spouse is a permanent employee in Central / State Government Organisation or Public Sector undertaking located in Odisha and serving there at the time of application, will be considered for admission provided he/she has passed HSC conducted by BSE, Odisha or equivalent examination / +2 Exam **other than +2 vocational** conducted by CHSE, Odisha from any institute located in Odisha. Such candidates shall have to furnish the required certificate in the format given in **Annexure-C** along with the application form.
- iv) For the candidates, who are not permanent resident of Odisha, but whose parent/ spouse is other wise living in Odisha at the time of submission of application, will be considered for admission provided the candidate has passed +2 or equivalent examination **other than +2 vocational** from any institute located in Odisha. Such candidate shall have to furnish the required Residential Certificate in the format given in **Annexure-B**.
- v) In respect of any other matter relating to admission, the decision of the Admission Committee-2014 shall be final.

7. **Weightage :**

- a) **NCC Cadets :** Following percentage of the effective marks at +2 level shall be added for the candidates having NCC certificate.

'A' Certificate	-	2 %
'B' Certificate	-	3 %
'C' Certificate	-	5 %

- b) **Higher qualification :** 5% on the effective marks secured in the +2 level shall be added for graduate and post graduate candidates in any discipline.
- c) **Sports :** 15% of effective marks secured in the +2 level shall be added for the candidates who have represented the State/University team in the sports events as approved by State level bodies. The sportsmen participating in the games and sports events duly recognised and notified by the Director of Sports for such purpose shall be eligible for consideration to get weightage in marks. The claimant shall have to submit the sports certificate to this effect from the **competent authority either countersigned or issued by the Director of Sports and Youth services, Odisha, in the absence of it, no weightage will be given.** A student claiming weightage in this

category must have achieved the distinction **within two years** time prior to the year of admission. (vide G.O. No. 81376, dt.11.12.96 Govt. of Odisha and letter No. 24875, dt. 13.12.93 and as per clarification received from the Govt. from time to time.)

8. Category Code used in application form :

1. General -- GEN
2. Scheduled Caste -- SC
3. Scheduled Tribe -- ST
4. Approved sports event code is shown below

9. General & Special requirement :

The candidates called for counseling shall have to produce medical fitness certificate from a Government doctor not below the rank of Asst. Surgeon in the prescribed format as in **Annexure-D.**

10. Annual Fees :

Each candidate is required to deposit annual tuition fees of **Rs.23,500/- (Rupees Twenty Three thousand Five hundred)** only. Outside State Candidates shall have to pay tuition fee of **Rs.35,000/- (Rupees Thirty five thousand)** only per year. In addition each candidate has to pay **Rs.1,000/-** towards caution money at the time of admission which is refundable.

11. Hostel facility :

Limited hostel facility is available for boys and girls from the distance place. Allotment of seats is made for needy students on merit basis. Hostel fees which includes seat rent, electricity, water charges, watch and ward & contingency etc. will be charged @ Rs.3000/- (Rupees three thousand) per annum or at the rate as to be prescribed by Government from time to time from the students who would be staying in the hostel.

APPENDIX – I

SYLLABI FOR DET-2014 FOR ADMISSION INTO 1ST SEMESTER OF THE DIPLOMA COURSE

The syllabi given hereunder for DET-2014 are only illustrative and not exhaustive. The syllabi are in line with courses of studies in Mathematics & Science (Physics & Chemistry) for H.S.C. Examination, 2014 of Board of Secondary Education, Odisha.

MATHEMATICS

SET THEORY :

Definition of Set, Set Notation, Finite Set, Infinite Set, Empty Set, Sub Set, Power Set, Set operations (Union, Intersection & Difference), Symmetric difference, Complement of a Set, De-morgan's Law, Cartesian Product

RATIO, PROPORTION & VARIATION :

Definition, Continued Proportion, Direct Variations, Inverse Variation and Joint Variation

INDICES :

Laws of Indices, Problems, Solution of Exponential equations

POLYNOMIALS :

Factorisation of polynomials, Remainder Theorem, Factor Theorem, Synthetic division and their applications.

EQUATIONS :

Different methods of solving simultaneous linear equations in two unknowns, problems, Quadratic equations, Its solution by completing square, Discriminant, Nature of roots, Relation between roots & co-efficient, Simple problems.

LOGARITHMS :

Definition, Laws of Logarithm, Common Logarithm, Characteristics, Mantissa, Antilogarithm

NUMBER SYSTEM :

Natural numbers, Integers, Rational numbers, Real numbers as union of rational and irrationals, Axioms on operations on real numbers.

COMPUTERS :

Different parts of Computer (Main parts only), Applications of Computer, Binary number system, Conversion of Binary to Decimal and vice versa.

MENSURATION :

Circumference, Arc Length, Area of Sector of a Circle, Triangle, Rectangle, Square, Parallelogram, Trapezium, Rhombus, Surface area and Volume of Cylinder, Cone, Sphere.

GEOMETRY :

Straight lines and angle between two straight lines, Parallel lines, Theorems on congruency and similar Triangles. Radius, Chord, Arc of a Circle, Cyclic quadrilaterals, Theorems and related problems.

TRIGONOMETRY :

Trigonometrical ratios, Relation among Trigonometrical Ratios, Pythagoras theorem, Simple Trigonometrical identities, Trigonometrical ratios of Compound Angles

STATISTICS :

Data, Frequency distribution, Grouped Frequency distribution, Graphical representation of DATA, Histogram, Pie diagram & Frequency Polygon, Measures of Central tendency (mean, median & mode)

CHEMISTRY (25 NOS.)

Chapter – I :: Nature & Behavior: Element, Compound, Mixture, Type of mixture, Structure of matter, States of matter, Atom, Molecule, Symbol & Valency, Chemical formula, Chemical equation.

Chapter – II :: Atomic Structure: Electron, Proton, Neutron – their charges, Masses & Properties, Atomic number, Mass number, Rutherford's Atomic models, Bohr's Atomic models, Electronic configuration.

Chapter – III :: Periodic classification: Periods & Groups, Periodic law properties of elements along a period and a group.

Chapter – IV :: Physical and Chemical changes: Difference between physical and chemical changes, Combination reactions, Displacement reactions, Decomposition reaction, Exothermic and Endothermic reactions, Catalysis & Catalysts

Chapter – V :: Acids & Bases: Difference between inorganic & organic acids, Strong acid, Weak acid and Strong base, Weak base, PH of a Solution, PH Scale, Solutions – Unsaturated, Saturated and Super saturated solutions.

Chapter – VI :: Extraction of Metal: Definition & examples of Ore, Mineral, Occurrence of Ores of Iron, Aluminum and Copper, General methods of extraction of metal, Ore dressing, Concentration, Reduction, Refining.

Chapter – VII :: Sources of Energy: Definition & Types of Fuel, Good fuel, Calorific value of fuel, Fractional distillation of petroleum products, Petroleum gas, Natural Gas.

Chapter – VIII :: Environmental Chemistry: Definition of Environment, Pollutant & Contaminant, Causes & control of Air and Water Pollution.

PHYSICS (25 NOS.)

Chapter – I :: Motion: Uniform and non uniform motion, distance and displacement, velocity and acceleration, Equation of motion, Simple harmonic motion.

Chapter – II :: Force: Force and motion, Newton's laws of motion, Momentum, Gravitational force, acceleration due to gravity, Mass and Weight.

Chapter – III :: Work, Energy and Power: Work done by a force, relation between work and energy, Potential Energy, Kinetic energy, Power, Units of work, Energy and Power.

Chapter – IV :: Sound Wave: Longitudinal & Transverse wave, Progressive & Stationary waves, Wave parameters (Amplitude, Frequency, Time period, Wave length & Velocity) and relationship between them.

Chapter – V :: Heat: Heat and temperature, Measurement of temperature, Thermal expansion, Change in State (Latent heat of fusion & vaporization)

Chapter – VI :: Optics: Law of reflection & Refraction, Types of Mirror, Reflection from plane mirror, power of lens.

Chapter – VII :: Electricity : Conductors and Resistors, Ohm's law, Combination of resistances in series and Parallel connection, heating effect of electronic current, Joule's law, Measurement of current, Potential difference and resistance, Ammeter, Voltmeter, Electric energy & power.

Chapter – VIII :: Magnetic effect of electric current : Magnetic field due to current carrying conductor (straight & circular coil), Faraday's law of Electromagnetic induction, Fleming's Left Hand & Right Hand Rule, D.C. motor Electric Generator, Dynamo.

SYLLABUS FOR LATERAL ENTRY ENTRANCE EXAMINATION FOR ITI / +2 SCIENCE/+2 VOCATIONAL PASSED OUT STUDENTS

The syllabi given hereunder for DET-2014 are only illustrative and not exhaustive. These Syllabi are in line with the courses of studies in Physics, Chemistry and Mathematics of First year Diploma course.

PHYSICS (25 Nos.)

1. UNITS AND DIMENSIONS, SCALARS & VECTORS

Dimension and dimensional formula of physical quantities, vector addition & subtraction, Triangle law and parallelogram law of vector addition, Resolution of vector, Simple Numerical problems

2. LINEAR & CURVILINEAR MOTION:

Equation of motion along a straight line, Projectile Motion, Simple numerical problems on projectile motion. Kinetic Energy and Potential Energy. Work- Energy theorem & application to simple numerical problems, uniform circular motion, angular displacement, angular velocity and acceleration, centripetal and centrifugal forces, banking of roads, bending of cyclist.

3. GRAVITATION AND S. H. M.

Newton's Law of Gravitation, Kepler's laws and its application, Variation of 'g' with altitude depth & latitudes, Simple numerical problem, Escape velocity and orbital velocity of satellite, amplitude, frequency and time period in S.H.M, velocity and acceleration of a particle executing SHM.

4. SOUND & ACOUSTICS

Progressive wave and stationary wave, Longitudinal & Transverse Waves, relation between different wave parameters, Newton's formula for velocity of sound and Laplace's correction, the effects of temperature, pressure and humidity on velocity of sound, Doppler's effect, Acoustics of building, Echo.

5. HEAT AND THERMODYNAMICS

Different units of heat, specific heat, thermal capacity, water equivalent and latent heat. Numerical problems on principle of calorimetry, Relationship between Coefficient of Linear, Superficial and Cubical expansion of Solids, Relation between Coefficient of real and apparent expansion of liquids, relation between C_p and C_v , thermal conductivity and its units, mechanical equivalent of heat.

6. OPTICS

Reflection, Refraction, Laws of Reflection and Refraction, Critical Angle, Total Internal Reflection, relation between Refractive Index and Critical angle. mirror and lens formula Simple Numerical problem. power of mirror, Lens and its unit.

7. MAGNETISM

Coulomb's law in Magnetism, unit Pole, Magnetic field Intensity. magnetic line of force, Magnetic flux, Flux density, magnetic moment of bar magnet.

8. ELECTROSTATICS

Coulomb's law in Electrostatics, Define unit charge. Electric field intensity and Electric Potential, capacity of a conductor and capacitor. capacity of a parallel plate capacitor and the effect of dielectric on the capacitance of the capacitor. Problems on Grouping of capacitors in series and parallel.

9. CURRENT ELECTRICITY

Electric Current, Ohm's law. laws of resistance, specific resistance. Effect of temperature on resistance. Grouping of resistors in series and parallel. Kirchoff's laws and its application to Wheatstone Bridge, Electrical Energy and Electric Power, Joule's laws of heating effect of electric current.

10. MAGNETIC EFFECT OF CURRENT

Biot-Savarts law, numerical problems on Magnetic field Induction due to current through a straight wire and at the centre of a circular coil, Force experienced by a current carrying conductor placed in a magnetic field, Fleming's left hand Rule.

11. ELECTROMAGNETIC INDUCTION

Faraday's laws of Electromagnetic Induction, Lenz's law, Fleming's Right Hand Rule.

12. NUCLEAR AND MODERN PHYSICS

Define Atomic Number, Mass Number, Mass Defect and Binding Energy, Nuclear fission and Nuclear fusion, Application of nuclear fission & nuclear fusion. LASER : Properties and application. the properties & uses of Alpha, Beta and Gamma rays.

CHEMISTRY (25 Nos.)

Chapter-1 (Physical Chemistry)

- 1.1 Chemical formula, Chemical Equation, Balancing of Chemical equation by hit & trial method & Partial equation Method.
- 1.2 Bohr's atomic model, Bohr Bury Scheme, electronic configuration, Aufban's Principle, Hund's Rule, Pauli's exclusion Principle.
- 1.3 Definition of Chemical Bond, Types of Chemical Bond : Electrovalent, Covalent and Co-ordinate bond with example
- 1.4 Arrhenius theory, Lowry Bronsted theory and Lewis theory of Acid and Base. Determination of equivalent mass of Acids, Bases and salts. PH of a solution, its application, Buffer solution and its application.
- 1.5 Definition of Electrolyte, electrolytic cell, Faraday's 1st law and 2nd law of electrolysis Application of electrolysis : Electroplating and Electro refining.

Chapter-2 (Inorganic Chemistry)

- 2.1 Define Mineral, ore, flux, slag with examples : General method of extraction of metal :- Dressing, Concentration, Calcination, Roasting, Reduction, refining.
- 2.2 Composition and uses of Brass, Bronze, Bell metal.

Chapter-3 (Organic Chemistry)

- 3.1 Difference between saturated hydrocarbon and unsaturated hydrocarbon.
- 3.2 IUPAC system of nomenclature of alkane, alkene, alkyne, alkylhalide

Chapter-4 (Industrial Chemistry)

- 4.1 Types and causes of hardness of water removal of hardness by lime soda and ion exchange method.
- 4.2 Types of lubricants and their uses.

- 4.3 Definition and classification of fuel, calorific value of fuel, petroleum products, producer gas, water gas.
- 4.4 Definition of Monomer, Polymer, Homopolymer, Copolymer, Composition and uses of Polythene, Polyvinyl chloride.

Chapter-5 (Environmental Chemistry)

- 5.1 Definition with example – Pollutant, contaminant, receptor, pathway of pollutant.
- 5.2 Water Pollution – its sources and effect on human health.
- 5.3 Air Pollution – its sources and effect on human health, green house effect, Acid rain, ozone layer depletion.

MATHEMATICS (50 Nos.)

1. ALGEBRA

1. Complex Numbers ; 2. Binomial Theorem; 3. Determinant ; 4. Matrices ; 5. Partial Fraction

2. TRIGONOMETRY

Trigonometric ratios, Trigonometric equation and Inverse circular function.

3. Geometry (2D & 3D)

Two dimensional and three dimensional co-ordinates (in Cartesian form only), distance between two points, equation of straight line, circle, sphere and Plane.

4. Calculus

Variables, Limits and continuity, differentiation of simple functions.

Successive differentiation up to second order, Maxima & Minima, partial differentiation, Euler's Theorem on Homogeneous function up to 2nd order only.

5. Integral Calculus

Integration of algebraic and Trigonometric function, Determination of area bounded by, $y = f(x)$ when $x = a$ and $x = b$ & $x - axis$ & $x = f(y)$ when $y = a$ and $y = b$ and $y - axis$. Simple differential equations (first order and first degree), vector additions and multiplication and their applications.

SYLLABI FOR DET-2014 FOR ADMISSION INTO NON-ENGINEERING DIPLOMA COURSE

The syllabi given hereunder for DET-2014 are only illustrative and not exhaustive. The syllabi are in line with courses of studies in English, Current Affairs/ General Knowledge, General Science/Everyday Science/Basic Mathematics of 10th Std. Examination.

ENGLISH (25 Nos.)

1. **Grammar-Students should be able to answer grammatical questions like fill in the blanks, correcting the errors and finding out the correct answer in relation to following areas of grammar.**

- 1.1. Determiners, 1.2. Verbs, 1.3. Tense, 1.4. Prepositions, 1.5. Synonyms, 1.6. Antonyms, 1.7. Modal verbs, 1.8. Subject-Verb Agreement,

2. Reading comprehension:

A passage of 100 to 150 words would be given. Multiple choice questions would be set on the passage.

GENERAL KNOWLEDGE (25 nos.)

1. National & International affairs, 2. Sports, 3. Invention and Discoveries, 4. Art & Culture.

GENERAL SCIENCE

A. PHYSICS (25 NOS.) :

- Motion:** Uniform and non uniform motion, distance and displacement, velocity and acceleration
- Force:** Force and motion, Newton's laws of motion, Gravitational force, acceleration due to gravity mass and weight.
- Heat:** Heat and temperature, measurement of temperature, thermal expansion, change of State.
- Light:** Reflection, laws of reflection, types of mirror, reflection from plain mirror, refraction, laws of refraction, power of lens.
- Electricity:** conductors and resistors, measurement of current, potential difference and resistance, ammeter, voltmeter, Ohm's law
- Sound:** Production and propagation of sound and its velocity in medium.

B. CHEMISTRY:

- Matter-** Element, compound, Mixture, Type of mixture, , states of matter, atom, molecule, symbol & valency,

Chemical formula, Chemical equation.

2. **Atomic Structure:** Electron, Proton, Neutron & their charge, mass, atomic number, mass number, electronic configuration.
3. **Bonding:** Formation of ionic & covalent bond, important properties of electrovalent and covalent bond.
4. **Water:** Sources of water, soft and hard water, types of hardness, removal of hardness of water by cold and hot soda lime process.

C. BIOLOGY:

1. **Cell and Cell Structure:-** Cell structure difference between prokaryotic and eukaryotic cells. Function of cell organ less (brief account).
2. **Diversity in the Living World:-** General idea of classification of living organizations and their importance, nomenclature classification(two kingdoms) with characteristics and examples upto phylum in plants and invertebrate animals.
3. **Nutrition:-** Mode of nutrition, autotrophic, heterotrophic, photosynthesis(main steps) factors affecting photosynthesis.
4. **Respiration:-** Respiration and breathing, respiration in plants and animals, types of respiration-aerobic and anaerobic respiration through skin, gills, air tube, lungs(Earth worm, fish, grasshopper & frog)
5. **Heredity:** Mendel's laws, structure of chromosomes and DNA, the gene. Environment and environmental problems, causes prevention and control (soil erosion), pollution of water and accumulation of waste and environmental problems, biodegradable and non-biodegradable materials.

BASIC MATHEMATICS (25 nos.)

1. **Number System:** Natural numbers, Integers, Rational numbers, Real numbers as union of rational and irrationals, Axioms on operations on real numbers
2. **Logarithms:** Definition, laws of logarithm, common logarithm, characteristics, Mantissa, Antilogarithm, Tables of logarithm and antilogarithm.
3. **Ratio, Proportion & Variation:** Definition, continued proportions, direct variation, inverse variation & joint variation.
4. **Equations:** Different methods of solving simultaneous linear equations in two unknowns, problems, Quadratic equations, its solutions by completing the square, Discriminant, nature of roots, Relation between roots & co-efficient, simple problems
5. **Functions and Graphs:** Domain and Range of Real valued function.
6. **Mensuration:** Circumference, Arc Length, Area of Sector of a circle, triangle, Rectangle, Square, Parallelogram, Trapezium, Rhombus. Surface area and volume of cylinder, Cone, Sphere.
7. **Statistics:** Data, Frequency distribution, Erupted frequency distribution measures of Central tendency (Mean, median & mode)

APPENDIX – II

MODEL QUESTIONS FOR DET – 2014 FOR ADMISSION INTO 1ST SEMESTER DIPLOMA COURSE MATHEMATICS

1. If $a + b + c = 0$, the value of $\frac{(b+c)^2}{3bc} + \frac{(c+a)^2}{3ca} + \frac{(a+b)^2}{3ab}$ will be
(A) 0 (B) 1 (C) 2 (D) 3

SCIENCE (PHYSICS & CHEMISTRY)

1. Two bullets are fired simultaneously, horizontally and with different speeds from the same place. Which bullet will hit the ground first?
(A) The Faster
(B) The Slower one
(C) Both will reach simultaneously
(D) Depends on the masses
2. For electroplating metal M on metal N, we have to take
(A) 'M' as anode, 'N' as cathode and the solution of salt of 'N' as electrolyte.
(B) 'N' as anode, 'M' as cathode and the solution of salt of 'M' as electrolyte.
(C) 'M' as anode, 'N' as cathode and the solution of salt of 'M' as electrolyte.
(D) 'N' as anode, 'M' as cathode and solution of 'N' as electrolyte.

MODEL QUESTION FOR LATERAL ENTRY ENTRANCE EXAMINATION FOR ITI/ +2 SCIENCE/+2 VOCATIONAL PASS OUT STUDENTS

MATHEMATICS

- 1) Solution of the differential equation $\frac{dy}{dx} = x \sin x$ is dx
(A) $y = x \cos x - \sin x + c$
(B) $y = x \sin x + \cos x + c$ (C) $y = x \cos x - x \sin x + c$ (D) $y = -x \cos x + \sin x + c$

PHYSICS

- 1) N-type Semiconductor is obtained by doping intrinsic Germanium with
(A) Phosphorous, (B) Aluminium, (C) Boron, (D) Gold

CHEMISTRY

- 1) % of nitrogen in the atmosphere is :
(A) 50% (B) 78% (C) 87% (D) 65%

MODEL QUESTIONS FOR DET – 2014 FOR ADMISSION INTO NON-ENGINEERING DIPLOMA COURSE

ENGLISH

A) Fill in the blanks with appropriate choice from the list given below:-

1. He _____ play chess while he was in school.
a) might, b) would, c) could, d) should, e) none.
2. By the time we reach the stadium, the match____.
a) had started, b) will have, c) would start, d) started, e) none.

B) Doing house work, taking care of children and carrying out assorted jobs for husbands are work just as much as is performing paid employment in an office or factory. To ignore this is to do a disservice to women in the labour force. The reality of house work is that women's work in the home averages 56 hours per week for the fulltime home maker and 26 hours per week for the employed wife/mother. Husbands and children barely increase their contribution to house work and childcare when the wife/mother is in the labour force. As a result, the employed woman with family responsibility gives up most of her leisure to carry out the responsibilities of family life.

Answer the following.

1. Is the house work taken by a house wife as much as the paid employment in an office or factory?
a) No, b) Almost as much, c) Yes, d) none.
2. A house wife works for ___ hours per week.
a) 46, b) 5,
c) 76, d) 2, e) none
3. An employed woman gives up most of her leisure for the sake of ___
a) Family responsibilities, b) family entertainment,
c) her own entertainment outside, d) none.

C) Correct the error if any about the underlined portion.

1. The boy is learning against the wall.
a) on, b) at,
c) in, d) none.
2. It is 7 O'clock in my watch
a) at, b) by,
c) with, d) none.
3. Neither the cock nor the hens is in the yard. _
a) has, b) were,
c) was, d) had, e) none.
4. Time and tide wait for none.
a) had waited, b) waits, c) waited, d) had waited, e) none.

MATHEMATICS

1. If the roots of equation $4x^2 + (1+m)x + 1 = 0$ are equal, the values of 'm' are
a) (-5, -3), b) (-5, 3), c) (5, -3), d) (5, 3).
2. Valency of aluminium is
(A) +1, (B) -1, (C) -3, (D) +3
3. Unit of resistance is
(A) Volt, (B) Ampere, (C) Ohm, (D) Ohm-meter
4. Power House of the Cell is
(A) Lysosome, (B) Nucleus, (C) Mitochondria, (D) Ribosome.



FORM – I

SC/ST BY BIRTH' CERTIFICATE FOR DET - 2014

This is to certify that Sri/ Smt/ Miss

Son/daughter/wife of Shri
of Village/ Town..... P.S..... Tahasil.....
in the district of of the state of Odisha belongs to the.....
Caste/ Tribe which is recognized as scheduled Caste / Tribe under Constitution (Scheduled Caste) order,
1950 as amended by the Scheduled Castes and Scheduled Tribes (Amendment) Orders Act 1976.

The Place of birth of Sri/ Smt/ Miss is village/
Town P.S
Tahasil in the district of of the State of Odisha.

Full Signature of the Applicant.

Round Seal of Office

Date:

Designation with
Seal of Office

Note: This certificate should be issued by Tahasildar of the place of residence of parent in Odisha. No part of the form should be mutilated in any manner. In case of mutilation the certificate is liable to be rejected.

FORM - II

**CERTIFICATE OF EX- SERVICEMEN CATEGORY OF CANDIDATE'S
PARENT / SPOUSE**

1. Name of the Candidate
2. Full name of employee/person
3. Permanent address as per service records
4. Whether Ex-Servicemen
5. Rank in Defence Service
6. Full name of the candidate
7. Relationship of the employee/person with the candidate
8. Last place of posting including details of unit
(In case of Ex-servicemen)
- 9 Awards received if any

Secretary
Zilla/ Rajya Sainik Board

Full Signature of

Candidate's Parent.....Date Designation with Seal of Office

FORM – III

**CERTIFICATE OF AUTHENTICITY OF ODIAS BELONGING TO
OUTLYING ODISIA SPEAKING TRACT
[L CATEGORY]**

(Part-I)

This is to certify that Mr./ Ms.
Son/ Daughter/ Spouse of Mr./ Mrs. in the district
of in the State of .. whose full signature is given
below is an Odia and a permanent resident of the outlying Odia speaking tract as defined in Resolution No.
13411-Gen. Dated 8th August, 1969 of Government of Odisha erstwhile Political & Services Department (Now :
G.A. Department).

Full Signature of the applicant

Signature of the Officer not below the Rank of Tahasildar

Date

Seal of Office.

**CERTIFICATE OF HAVING PASSED ODISIA M.I.L. IN THE H.S.C. OR EQUIVALENT
EXAMINATION FOR ODIAS BELONGING TO OUTLYING ODISIA SPEAKING TRACT
[L CATEGORY]**

(Part-II)

This is to certify that Mr./Ms.
Son/ Daughter/ Spouse of Mr./ Mrs. in the district
of in the state of Has/ had Odia as M.I.L.
in the H.S.C. / M.E. or equivalent

Examination conducted by

(Name of the Board/ University)

from

(Name of the Institution)

In the year

Signature of Headmaster/ Headmistress

Full signature of the applicant

Date

Seal of Office

FORM – IV

CERTIFICATE OF EMPLOYMENT OF CANDIDATE’S PARENT/ SPOUSE

Employer- Government of Odisha/ Government of India/ Universities of Odisha/Govt. of India undertaking & Govt. of Odisha undertaking located in Odisha at the time of application.

1. Name and address of Organisation / Office in which employed :	
2. Name and designation of the certifying authority (Employer / Head of Office/ Organisation) :	
3. a) Name in full and designation of employee to whom certificate is being issued. :	
b) Whether in permanent employment :	
c) Present Place and State of Posting :	
d) Permanent address as per service records :	
4. Name of the candidate in full :	
5. Relationship of the employee with the candidate :	Father / Mother / Husband/ Wife (Delete whichever is not applicable)
6. Particulars of employment of the employee :	

Place

Date of Joining

Period of Service

Signature of Employee

**Signature of Employer/ Head
of Office/ Organisation**

Date:

Designation (With Seal of Office)

Note: In case of the employee is on deputation either from Govt. of Odisha or Govt. of India, the above certificate should be signed by the original Employer.

Form-V

‘PERMANENT RESIDENT OF ODISHA’ CERTIFICATE FOR DET – 2014

Office of the

Miscellaneous Certificate Case No..... of 2014.

This is to certify that Shri/Smt/Miss..... son/daughter/wife of
..... is a native of the district of in the State of
Odisha and he/she belongs to P.S. Tahasil

The certificate is being granted only for the purpose of DET-2014 Odisha.

Full Signature of the applicant.

Signature of the Revenue Officer

Date:

Round seal of the Office.

Designation (with seal of Office).

Note: - 1) Revenue Officer means the Chief Officer in charge of Revenue Administrative in the District, Sub-Division or Tahasil and includes an Additional District Magistrate and Additional Tahasildar. No part of the form should be mutilated in any manner. In case of mutilation, the certificate is liable to be rejected.

Form-VI

(ONLY FOR CANDIDATES OF HOTEL MANAGEMENT & CATERING TECHNOLOGY)

CERTIFICATE OF PHYSICAL FITNESS.

(Medical Certificate to be filled in by Medical Practitioner).

The certificate is necessary as the training in the institute involves large amount of food handling. The final admission will be subject to a medical check-up by the Medical Officer.

Name of the Student:-

Father's name:-

Address:-

.....

.....

MEDICAL HISTORY.

Certified that the above student is not suffering from any of the following diseases:

- a) Infectious skin diseases
- b) Psoriasis Follicle
- c) Tuberculosis
- d) Venereal Diseases
- e) Epilepsy
- f) Trachoma
- g) Convulsions due to any cause.

She has not suffered from the above diseases or any other major disorder during the past 5 years.

Signature of Student attested.

Signature of the Medical Officer,

Name:-

Designation with Seal.

Place:

Date:-

Form-VII

CERTIFICATE OF PHYSICAL FITNESS.

(Medical Certificate to be filled in by Medical Practitioner not below the rank of Assistant Surgeon).

This is to certify that the candidate is medically fit to persecute study in Diploma Engineering courses and the details of the candidate are as per the following.

Name of the Student: -

Father's name:-.....

Address:-.....

.....

.....

Signature of Student attested.

Signature of the Medical Officer,

Name:-

Designation with Seal.

Place:

Date

CERTIFICATE OF ANNUAL INCOME OF PARENT / FINANCING GUARDIAN

Office of the _____

Miscellaneous Certificate Case No. _____ of 2014

INCOME CERTIFICATE

This is to certify that Shri/Smt/Miss _____ son/daughter/wife
of Shri _____ of
Village/Town _____ P.S: _____ Tahasil _____ in
the district of _____ in the state of Odisha has an Annual Income of Rs. _____
(Rupees _____) from the sources specified below.

Source

Annual Income

Rs

Agriculture lands

Salaries

Any Other Source(s) (to be specified)

2. This certificate is being granted only for the purpose of _____

Signature of the applicant

Date _____

Signature of the Revenue Officer

Designation (with seal of office)

|