

No. MSDE-18012/03/CTS/Jan-2016-TTC  
 GOVERNMENT OF INDIA  
 MINISTRY OF SKILL DEVELOPMENT & ENTREPRENEURSHIP  
 DIRECTORATE GENERAL OF TRAINING

Shram Shakti Bhawan, Rafi Marg,  
 New Delhi, Dated 5<sup>th</sup> November, 2015

2.5  
 18/11/15  
 ACE/CTS  
 20/11/15  
 2/11/15  
 18/11/15

To

1. All the State Directors (Dealing with Craftsmen Training Scheme).
2. The Director, NIMI, Chennai.
3. The Principal, NVTI-Noida and RVTIs-Mumbai, Bangalore, Trivandrum, Panipat, Kolkata, Tura, Indore, Allahabad, Jaipur and Vadodara.

**Subject:- Revised syllabi for the subjects of Workshop Calculation & Science and Engineering Drawing for the trades under Craftsmen Training Scheme (CTS)- Regarding.**

Sir/Madam,

The NCVT has approved implementation of the different syllabus for Workshop Calculation & Science and Engineering Drawing for engineering trades having entry qualification of 8<sup>th</sup> and 10<sup>th</sup> passed and also formation of group of trades for W/Sh. Calculation & Science and Engineering Drawing syllabi for the Semester- III & IV. The same was intimated to all the concerned vide letter no. **MSDE-19/3/2015-CD** dated **17.08.2015** (copy enclosed). All the revised syllabus of W/Sh. Calculation & Science and Engineering Drawing are available on [www.dgt.gov.in](http://www.dgt.gov.in) and the same will be followed for AITT to be held in January/February, 2016 for all engineering trades in **Semester- III** including Mentor Council trades. As there is no change in the syllabi for trainees W/Sh. Calculation & Science and Engineering Drawing for Sem-IV, the question paper for **Sem-IV** for the subject W/Sh. Calculation & Science and Engineering Drawing will be conducted as per the syllabi based on 2013 for all engineering trades.

Regarding the trainees admitted in August, 2013, 2014 & 2015, the separate syllabi for the subject W/Sh. Cal. & Sci. and E.D. for all engineering trades under CTS with entry qualification as 10<sup>th</sup> Pass for semester-I & II had been already approved in 2014. Similarly, for all engineering trades under CTS with entry qualification as 8<sup>th</sup> pass for **semester-I & II** syllabus of W/Sh. Cal. & Sci. and Engineering Drawing has been approved vide letter no. **MSDE-19/3/2015-CD** dated **17.08.2015**. Accordingly, there will be one common paper of W/S. Calculation & Science and one common paper of Engineering Drawing for trades with 8<sup>th</sup> pass entry qualification and similarly for 10<sup>th</sup> Pass entry qualification also for Sem-I and Sem-II including Semester and Mentor Council trades.

The above is once again clarified as:- **Syllabi to be followed for subject W/Sh. Cal. & Sci. and Engineering Drawing for all engineering trades for AITT under CTS to be held in February, 2016:-**

(a) **Semester-I & II** (Semester & Mentor Council) for Ex and Regular trainees, admitted in session- August, 2013, 2014 & 2015:-

- (i) **Entry qualification 8<sup>th</sup> pass-** One common paper of W/Sh. Cal. & Sci. and one common paper of Engineering Drawing.
- (ii) **Entry qualification 10<sup>th</sup> pass-** One common paper of W/Sh. Cal. & Sci. and one common paper of Engineering Drawing.

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Fresh Receipt

Secretary

Registrar

CFA

CE(ITI)

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D.No 11837 Date 17.11.15

- (b) **Semester-III** (Semester & Mentor Council) for Ex and Regular trainees, admitted in session- August, 2013, 2014 & 2015:- Grouped syllabi of different trades, revised in 2015 and question papers will be supplied accordingly.
- (c) **Semester-IV** (Semester) for Ex trainees, admitted in session August, 2013:- No change in the syllabi and question papers will be supplied accordingly.

In view of above, you are requested to instruct all the concern in your respective State to follow the revised and grouped trade syllabi of W/Sh. Cal. & Sci. and E.D. for **Sem-III** and follow the syllabi of W/Sh. Cal. Sci. and E.D. revised in 2014 for **semester-I & II**. The forthcoming AITT under CTS will be conducted for W/Sh. Cal. & Sci. and E.D. as per the revised syllabi in August, 2014 and 2015.

Yours Faithfully

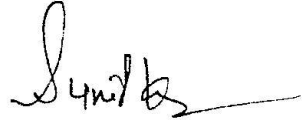


(Sunil Kumar Gupta)

Director of Training (TTC)

**Copy to :-**

- (i) Dr. B. S. Tomar, Chairman Federation of All India I.T.I., Association IMES, ITI Campus, Freeganj Road, Hapur, Uttar Pradesh-245101.
- (ii) Federation of All India Private ITI Associations 6, Camp Road, Parasakthi Nagar, Selaiyur, Chennai-600073.
- (iii) The Secretary, Association of Non-Government ITI, Joseph Cardijn Technical School, Khashaba Jadhav Marg, Dadar (E), Mumbai-400014.
- (iv) Shri B. Sudhakar, Secretary, Andhra Pradesh State Pvt. ITI Management Association (APSPITIMA), H. No. 45-267/21, Upperguda, Moulali, Hyderabad-500040.
- (v) State Private ITI Associations (SPITIA), Room No. 410, Hotel Janpath, Bapuji Nagar, Bhubaneshwar, Odisha.



(Sunil Kumar Gupta)  
Director of Training (TTC)

**MSDE- 19/3/2015-CD**  
**Government of India**  
**Ministry of Skill Development & Entrepreneurship**  
**Directorate General of Training (DGT)**  
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**Shram Shakti Bhawan**  
**New Delhi, dated 17<sup>th</sup> August, 2015**

To

1. Secretaries/Principal Secretaries of all the State Govts / UT Administrations dealing with Vocational /Craftsmen Training
2. Directors dealing with Vocational /Craftsmen Training of all States/ UT Administrations

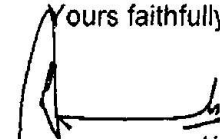
**Subject: Revised Syllabi for the subjects of Workshop Calculation & Science and Engineering Drawing for the trades under Craftsmen Training Scheme (CTS) - regarding**

**Sir/ Madam,**

This is to inform that the meeting of 'Sub-committee of NCVT on Norms and Courses' was held on 17<sup>th</sup> July, 2015.

2. Sub-committee approved the implementation of separate syllabi for the subjects of Workshop Calculation & Science and Engineering Drawing for CTS trades with entry qualification as 8<sup>th</sup> pass. Also, syllabi for the subjects of Workshop Calculation & Science and Engineering Drawing for 3<sup>rd</sup> and 4<sup>th</sup> semesters for the trades with entry qualification as 10<sup>th</sup> pass were approved for implementation.
3. Henceforth, separate syllabi for both the subjects of Workshop Calculation & Science and Engineering Drawing for CTS trades with entry qualification as 8<sup>th</sup> pass and 10<sup>th</sup> pass shall be followed. The revised syllabi are available at [www.dget.gov.in](http://www.dget.gov.in).
4. Accordingly, Directors of all the States and Union Territories dealing with Craftsmen Training Scheme are requested to issue further necessary instructions to all Government and Private ITIs, affiliated to NCVT, of their respective State/UTs to follow the syllabi as per details in para 3 above.

Yours faithfully,



(Deepankar Mallick)  
Dy. Director General (Training)

**Copy to:-**

1. Directors of ATI - Chennai / Hyderabad/ Mumbai/ Kolkata/ Kanpur/ Ludhiana, ATI(EPI) Hyderabad & Dehradun, FTI Bangalore & Jamshedpur, NIMI Chennai, CSTARI, Kolkata.
2. Directors of RDAT Kanpur/ Mumbai / Kolkata / Chennai / Faridabad & Hyderabad,
3. Principal CTI-Chennai; ATI (erstwhile MITI) Haldwani, Calicut, Jodhpur, Choudwar; NVTI, Noida and all RVTIs.
4. All Officers of JDT level and above at DGT (HQ)
5. Prof. M. Ranga Rao, National Co-ordinator, Federation of All India Pvt. ITI Associations, Chanakya No.6, Camp Road, Selaiyur, East Tambaram, Chennai-600073
6. Chief Executive Officer, NABET, Quality Council of India, ITPI Building, 6th Floor, 4 - A, Ring Road, I P Estate, New Delhi – 110002
7. PS to JS(RA)



(Amrit Pal Singh)  
Dy. Director of Training

Group wise syllabus for Workshop Calculation & Science And Engineering Drawing

S.no.	Name of Trades in Group	Workshop Calculation & Science	Engineering Drawing
1.	Welder	GW1	GE1
	Welder (GMAW & GTAW)		
	Welder (Fabrication & Fitting)		
	Welder (Structural)		
	Welder (Pipe)		
	Welder (Welding & Inspection)		
	Sheet Metal Worker		
	Mason (Building Constructor)		
	Gold Smith		
	Carpenter		
2.	Wire men	GW2	GE2
3.	Painter General	GW3	GE3
4.	Turner	GW4	GE4
	Fitter		
	Machinist		
	Machinist Grinder		
	Tool & Die Maker (Dies & Moulds)		
	Tool & Die Maker (Press Tools, Jigs & Fixtures)		
	Refractory Technician		
	Operator Advanced Machine Tools		
	Mechanic Machine Tool Maintenance		
	Draughtsman Mechanical		
	Draughtsman (Civil)		
	Mechanic Motor Vehicle		
	Mechanic Agriculture Machinery		
	Mechanic (Refrigeration and Air-Conditioner)		
5.	Mechanic Air-conditioning Plant	GW5	GE5
6.	Attendant Operator (Chemical Plant)	GW6	GE6
	Maintenance Mechanic (Chemical Plant)		
	Instrument Mechanic (Chemical Plant)		
	Laboratory Assistant (Chemical Plant)		
7.	Instrument Mechanic	GW7	GE7
8.	Marine Fitter	GW8	GE8
9.	Spinning Technician	GW9	GE9
	Textile Wet Processing		
	Weaving Technician		
10.	Mechanic Mechatronics	GW10	GE10
11.	Vessel Navigator	GW11	GE11
12.	Textile Mechatronics	GW12	GE12

14.	<b>Mechanic Medical Electronics</b>	<b>GW14</b>	<b>GE14</b>
15.	<b>Radiology Technician</b>	<b>GW15</b>	<b>GE15</b>
16.	<b>Electronics Mechanic</b>	<b>GW16</b>	<b>GE16</b>
	<b>Mechanic Consumer Electronics Appliances</b>		
	<b>Technician Power Electronics System</b>		
	<b>Electrician</b>		
	<b>Electroplater</b>		
	<b>Lift and Escalator Mechanic</b>		
17.	<b>Civil Engineer Assistant</b>	<b>GW17</b>	<b>-</b>
18.	<b>Information Technology</b>	<b>GW18</b>	<b>GE18</b>
	<b>Information Communication Technology System Maintenance</b>		