

GOVERNMENT OF INDIA MINISTRY OF SKILL DEVELOPMENT & ENTREPRENEURSHIP DIRECTORATE GENERAL OF TRAINING

COMPETENCY BASED CURRICULUM

HEALTH SANITARY INSPECTOR

(Duration: One Year)
Revised in July 2022

CRAFTSMEN TRAINING SCHEME (CTS) NSQF LEVEL- 3



SECTOR – HEALTHCARE



HEALTH SANITARY INSPECTOR

(Non-Engineering Trade)

(Revised in 2022)

Version: 2.0

CRAFTSMEN TRAINING SCHEME (CTS)

NSQF LEVEL - 3

Developed By

Ministry of Skill Development and Entrepreneurship

Directorate General of Training

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During the one-year duration of "Health Sanitary Inspector" trade, a candidate is trained on Professional Skill, Professional Knowledge and Employability Skill related to job role. In addition to this, a candidate is entrusted to undertake project work, extracurricular activities and on-the-job training to build up confidence. The broad components covered under Professional Skill subject are as below:

After the end of the course, the trainee will be able to make a nutritional plan for all age groups under given conditions, design a balanced diet as per the requirement under given conditions and also will be able to calculate and suggest the calorie and nutritional requirements as per the specific requirements of the person. Identify disease that occurs due to various deficiencies. They will assess disease symptoms, inspect and report various food adulteration and also to suggest different food preservation techniques for different types of food. They will identify and understand water and its properties and causes of water pollution, summarize water supply system with water treatment in the city/country etc. and also able to assemble plumbing system for conservation of water, develop rainwater harvesting technique. Trainee will be able to identify and understand the water purification process and also able to handle the night soil of a city/town while keeping in mind the protection of environment and human safety. They will plan solid waste management system in an area or a small town. Identify air pollution sources and suggest the suitable remedies and also understand global warming, its effects and identify the remedial measure. Trainee will be able to suggest the measures to minimize noise pollution, trainee will able plan and suggest the ventilation requirements of a particular area. They will plan and help in construction and maintenance of sewers, traps, plumbing tools and also know the types of sewers health hazard due to liquid waste. They will suggest disposal methods for dead animals humans and also able to identify different types of soil, its importance in relation with public health and reclamation of land. They will plan and suggest sanitary prescription of medical measures in housing and fairs & festivals. Identify occupational health hazards. Follow safety rules. Prevent occupational diseases. Trainee will be able to prepare and control of biological environment and different parts of spraying equipment. The trainee will learn about how to generate awareness programs for masses on health education, illustrate importance of right behavior and personal hygiene, learn its diet impact on their personal life & society. They will perform first- aid treatment to tackle medical emergency situation, assess intensity of any disease, recognize the disease and provide first-aid treatment on time to contain the disease. They will follow the given immunization schedule and understand its importance. Identify disinfection and its importance to control diseases& carry out sterilization. Trainee will be able to understand the basics of personal hygiene and its importance on a person's health and personality and also able to recognize various factors like death rate, birth rate, morbidity, MMR, IMR etc. Analyze importance of census survey and data collection, categorize health survey. Trainee will be familiarized with vocabulary and terminology of different acts.



2.1 GENERAL

The Directorate General of Training (DGT) under Ministry of Skill Development & Entrepreneurship offers a range of vocational training courses catering to the need of different sectors of economy/ Labour market. The vocational training programmes are delivered under the aegis of Directorate General of Training (DGT). Craftsman Training Scheme (CTS) with variants and Apprenticeship Training Scheme (ATS) are two pioneer schemes of DGT for strengthening vocational training.

'Health Sanitary Inspector' trade under CTS is one of the popular courses delivered nationwide through the network of ITIs. The course is of one year duration. It mainly consists of Domain area and Core area. The Domain area (Trade Theory & Practical) imparts professional skills and knowledge, while Core area (Employability Skill) imparts requisite core skill, knowledge and life skills. After passing out the training programme, the trainee is awarded the National Trade Certificate (NTC) by DGT which is recognized worldwide.

Candidates broadly need to demonstrate that they are able to:

- Read and interpret technical parameters/ documents, plan and organize work processes, identify necessary materials and tools.
- Perform task with due consideration to safety rules, accident prevention regulations and environmental protection stipulations.
- Apply professional skill, knowledge & employability skills while performing jobs.
- Document the technical parameters related to the task undertaken.

2.2 PROGRESSION PATHWAYS

- Can join industry as Health Sanitary Inspector and will progress further as Senior Health Sanitary Inspector, Supervisor and can rise up to the level of Manager.
- Can become Entrepreneur in the related field.
- Can join Apprenticeship programme in different types of industries leading to National Apprenticeship certificate (NAC).
- Can join Crafts Instructor Training Scheme (CITS) in the trade for becoming an instructor in ITIs.
- Can join advanced Diploma (Vocational) courses under DGT as applicable.



2.3 COURSE STRUCTURE

Table below depicts the distribution of training hours across various course elements during a period of one year:

S No.	Course Element	Notional Training Hours
1	Professional Skill (Trade Practical)	840
2	Professional Knowledge (Trade Theory)	240
3	Employability Skills	120
	Total	1200

Every year 150 hours of mandatory OJT (On the Job Training) at nearby industry, wherever not available then group project is mandatory.

On the Job Training (OJT) / Group Project	150
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Trainees of one-year or two-year trade can also opt for optional courses of up to 240 hours in each year for 10th/ 12th class certificate along with ITI certification, or, add on short term courses

2.4 ASSESSMENT & CERTIFICATION

The trainee will be tested for his skill, knowledge and attitude during the period of course through formative assessment and at the end of the training programme through summative assessment as notified by the DGT from time to time.

- a) The **Continuous Assessment** (Internal) during the period of training will be done by **Formative Assessment Method** by testing for assessment criteria listed against learning outcomes. The training institute have to maintain individual *trainee portfolio* as detailed in assessment guideline. The marks of internal assessment will be as per the formative assessment template provided on www.bharatskills.gov.in.
- b) The final assessment will be in the form of summative assessment method. The All India Trade Test for awarding NTC will be conducted by **Controller of examinations**, **DGT** as per the guidelines. The pattern and marking structure is being notified by DGT from time to time. **The learning outcome and assessment criteria will be basis for setting question papers for final assessment. The examiner during final examination will also check individual trainee's profile as detailed in assessment guideline before giving marks for practical examination.**



2.4.1 PASS REGULATION

For the purposes of determining the overall result, weightage of 100% is applied for six months and one year duration courses and 50% weightage is applied to each examination for two years courses. The minimum pass percent for Trade Practical and Formative assessment is 60% & for all other subjects is 33%. There will be no Grace marks.

2.4.2 ASSESSMENT GUIDELINE

Appropriate arrangements should be made to ensure that there will be no artificial barriers to assessment. The nature of special needs should be taken into account while undertaking assessment. Due consideration should be given while assessing for teamwork, avoidance/reduction of scrap/wastage and disposal of scrap/wastage as per procedure, behavioral attitude, sensitivity to environment and regularity in training. The sensitivity towards OSHE and self-learning attitude are to be considered while assessing competency.

Assessment will be evidence based comprising some of the following:

- Job carried out in labs/workshop
- Record book/ daily diary
- Answer sheet of assessment
- Viva-voce
- Progress chart
- Attendance and punctuality
- Assignment
- Project work
- Computer based multiple choice question examination
- Practical Examination

Evidences and records of internal (Formative) assessments are to be preserved until forthcoming examination for audit and verification by examination body. The following marking pattern to be adopted for formative assessment:

Performance Level	Evidence
(a) Marks in the range of 60-75% to be allotted during assessment	
For performance in this grade, the candidate	Demonstration of good skills and accuracy
should produce work which demonstrates	in the field of work/ assignments.



attainment of an acceptable standard of craftsmanship with occasional guidance, and due regard for safety procedures and practices.

- A fairly good level of neatness and consistency to accomplish job activities.
- Occasional support in completing the task/job.

(b) Marks in the range of 75% - 90% to be allotted during assessment

For this grade, a candidate should produce work which demonstrates attainment of a reasonable standard of craftsmanship, with little guidance, and regard for safety procedures and practices.

- Good skill levels and accuracy in the field of work/ assignments.
- A good level of neatness and consistency to accomplish job activities.
- Little support in completing the task/job.

(c) Marks in the range of above 90% to be allotted during assessment

For performance in this grade, the candidate, with minimal or no support in organization and execution and with due regard for safety procedures and practices, has produced work which demonstrates attainment of a high standard of craftsmanship.

- High skill levels and accuracy in the field of work/ assignments.
- A high level of neatness and consistency to accomplish job activities.
- Minimal or no support in completing the task/job.



Sanitary Inspector; Health Assistant takes measures to maintain and improve standard of public health in the specified area. Inspects houses, shops, factories, entertainment places, bazars, drains, night soil depots, rubbish depots, latrines, burial and cremation ground, etc., and undertakes public health activities such as disinfections, anti-malarial and anti-epidemic measures. Inspects hotels, restaurants, etc. to ensure that food and edibles sold are fit for public consumption. Attends to complaints regarding sanitation. Reports outbreak of infectious diseases to authorities and takes preventive measures. Attends courts for prosecution of individuals violating sanitation and public health regulations and performs inoculation work. Controls and supervises work of Sanitary Darogas. May maintain accounts and correspondence, compile figures of births and deaths in his jurisdiction and may investigate causes of death. May be designated as Disinfecting Inspector, Food Inspector, Slaughter House Inspector, Mosquito Inspector, etc. according to nature of work performed.

Reference NCO Code 2015:

(i) 3257.0100 – Sanitary Inspector

Reference NOS: -

MIN/N1702, MIN/N1703, MIN/N1704, MIN/N1705, MIN/ N0459, MIN/ N0460, HCS/N9902, HCS/N9903, MIN/N9428, MIN/N9429, MIN/N9430, MIN/N9431, MIN/N9432, MIN/N9433, MIN/N9435, MIN/N9436, MIN/N9437, MIN/N9438, MIN/N9439, MIN/N9440, MIN/N9441, MIN/N9442



4. GENERAL INFORMATION



	its variants.	
(ii) Employability Skill	MBA/ BBA / Any Graduate/ Diploma in any discipline with Two years'	
	experience with short term ToT Course in Employability Skills.	
(Must have studied English/ Communication Skills and Computer at 12th / Diploma level and above) OR		
	Existing Social Studies Instructors in ITIs with short term ToT Course	
	in Employability Skills.	
(iii) Minimum Age for	21 Years	
Instructor		
List of Tools and	As per Annexure - I	
Equipment		

5. LEARNING OUTCOME

Learning outcomes are a reflection of total competencies of a trainee and assessment will be carried out as per the assessment criteria.

5.1 LEARNING OUTCOMES

- 1. Make a nutritional plan for all age groups under given conditions following safety precautions. (NOS: MIN/N9429)
- 2. Design a balanced diet as per the requirement under given conditions. (MIN/N9429)
- 3. Calculate and suggest the calorie and nutritional requirements as per the specific requirements of the person. (NOS: MIN/N9429)
- 4. Identify diseases that occur due to various deficiencies. (NOS: MIN/N9429)
- 5. Assess disease symptoms. (NOS: MIN/N9429)
- 6. Inspect and report various food adulterations. (NOS: MIN/N9429)
- 7. Suggest different food preservation techniques for various types of food. (NOS: MIN/N9429)
- 8. Identify and understand water and its properties and causes of water pollution.

 Summarize water supply system with water treatment in the city/ country etc. (NOS: MIN/N9430)
- 9. Assemble plumbing system for conservation of water. (NOS: MIN/N9430)
- 10. Develop rainwater harvesting technique. (NOS: MIN/N9430)
- 11. Identify and understand the water purification process. (NOS: MIN/N9430)
- 12. Handle the night soil of a city/ town with protection of environment and human being. (NOS: MIN/N9431)
- 13. Plan solid waste management system in an area or a small town. (NOS: MIN/N1702, MIN/N1703, MIN/N1704, MIN/N1705)
- 14. Practice Bio Medical and E- waste management system. (NOS: MIN/N9428)
- 15. Identify air pollution sources and suggest the suitable remedies. (NOS: MIN/N1702, MIN/N1703, MIN/N1704, MIN/N1705)
- 16. Interpret the effects of global warming and identify the remedial measures. (NOS: MIN/N9432)
- 17. Suggest the measures to minimise the noise pollution. (NOS: MIN/N1702, MIN/N1703, MIN/N1704, MIN/N1705)
- 18. Plan and suggest the ventilation requirements of a particular area. (NOS: MIN/ N0459, MIN/ N0460)



- 19. Illustrate concept of liquid waste and disposal. Know the types of sewers, health hazard due to liquid waste. (NOS: MIN/N9433)
- 20. Plan and help in construction and maintenance of sewers, traps, plumbing tools etc. (NOS: MIN/N9433)
- 21. Suggest disposal methods for dead animals and humans. (NOS: MIN/N9434)
- 22. Identify different types of soil, its importance in relation with public health and reclamation of land. (NOS: MIN/N9434)
- 23. Plan and suggest sanitary prescription of medical measures in housing, fairs & festivals. (NOS: MIN/N9435)
- 24. Identify occupational health hazards. Follow safety rules. Prevent occupational diseases. (NOS: MIN/N9436)
- 25. Prepare and control biological environment and different parts of spraying equipment. (NOS: MIN/N9437)
- 26. Generate awareness programmes for masses on health education. (NOS: MIN/N9438)
- 27. Illustrate importance of right behaviour and personal hygiene, learn its direct impact on their personal life & society. (NOS: MIN/N9439)
- 28. Perform first-aid treatment to tackle medical emergency situation. (NOS: MIN/N9440)
- 29. Assess intensity of any disease, recognize the disease and provide first-aid treatment on time to contain the disease. (NOS: MIN/N9441)
- 30. Follow the given immunization schedule and understand its importance. (NOS: MIN/N9441)
- 31. Identify disinfection and its importance to control diseases. Carry out sterilization. (NOS: MIN/N9441)
- 32. Perform basic personal hygiene and interpret its impact on a person's health and personality. (NOS: HCS/N9902,HCS/N9903)
- 33. Recognise various factors like death rate, birth rate, morbidity, MMR, IMR etc. analyse importance of census survey and data collection. (NOS: MIN/N9442)
- 34. Categorise health survey. (NOS: MIN/N9442)
- 35. Familiarise with vocabulary and terminology of different acts. (NOS: MIN/N9442)

	LEADNING OUTCOMES ACCESSMENT CRITERIA		
	LEARNING OUTCOMES	ASSESSMENT CRITERIA	
1.	Make a nutritional plan for	Identify different nutrients.	
	all age groups under given	Identify the requirements of nutrients.	
	conditions following safety	Observe the importance.	
(N	precautions. OS: MIN/N9429)	Make a nutritional plan for the given age group.	
,	, , , , , , , , , , , , , , , , , , , ,	I.	
2.	Design a balanced diet as per	Identify components of food and its nutrition factors.	
	the requirement under given	Identify calories and nutrients for different food items.	
	conditions.	Calculate the calories and total nutrients of food items taken.	
(NC	S: MIN/N9429)	Make a balanced diet plan using different food items as per the	
		requirement and given conditions.	
3.	Calculate and suggest the calorie and nutritional	Identify different foods available with their calories and nutrients.	
	requirements as per the	Identify the calories and nutrients required for different works	
	specific requirements of the	and conditions.	
	person.	Identify the person with his health conditions and nature of the	
	(NOS: MIN/N9429)	work being done.	
		Calculate and suggest the calorie and nutrition requirements as	
		per the given person and conditions.	
4.	Identify diseases that occur	Identify various individuals with deficiencies.	
	due to various deficiencies.	Identify different deficiency syndromes.	
		Identify various nutrition deficiencies.	
	(NOS: MIN/N9429)	Identify different diseases due to nutrition deficiency.	
		Identify symptoms and suggest the important food nourishment	
		required.	
	Assess disease symptoms.	Identify various individuals with diseases.	
(NC	S: MIN/N9429)	Identify common diseases due to different conditions of work	
		and living.	
		Identify the disease symptoms.	
		Assess the symptoms for various diseases.	
-			
6.	Inspect and report various	Identify various foods that are commonly adulterated.	
	food adulterations. (NOS: MIN/N9429)	Identify the parameters to be checked for finding food adulteration.	
		Note the ideal factors of food available.	
		Inspect different food for adulterations.	
		Report food adulteration by doing different tests.	



7	Consist different food	I double continue for do or non-tholy non-take billing
/.	Suggest different food	Identify various foods as per their perishability.
	preservation techniques for various types of food. (NOS: MIN/N9429)	Apply common food preservation techniques by using salt and
		sugar.
		Identify different types of preservation techniques. Follow
		refrigeration techniques for food preservation.
		Identify the preservation systems in use.
		Take above factors into consideration and suggest food
		preservation techniques for various types of food.
8.	Identify and understand	Identify the resources of water.
	water and its properties and	Recognize the various resources of water pollution.
	causes of water pollution.	Understand the water borne diseases, causes, effects and
	Summarize water supply	symptoms.
	system with water treatment	Identify different type of water quality with various parameters
	in the city/ country etc.	of water in physical, chemical and bacteriological aspects.
	(NOS: MIN/N9430)	Understand different water treatment techniques ranging from
	,	traditional to the modern.
		industrial to the modelli.
9.	Assemble plumbing system	Identify water conservation technique at household and
	for conservation of water.	commercial level.
	(NOS: MIN/N9430)	Identify the water supply system in different areas such as rural
	, ,	and urban areas.
		Identify and recognize the control measures for water pollution.
		Assemble plumbing system involving water conservation
		techniques.
10	. Develop rainwater	Understand the rain water harvesting process
10	•	51
	harvesting technique.	Classify different rainwater harvesting technique.
	(NOS: MIN/N9430)	Implement the rain water harvesting pits in given locality.
		T
11	. Identify and understand the	Understand the various types of water purification in rural and
	water purification process.	urban areas. Disinfection process of water resources and
	(NOS: MIN/N9430)	drinking water.
		Identify the water supply system in different areas such as rural
		and urban areas.
		Identify and recognize the control measures for water pollution.
		Identify the water treatment plant and the process.
12	. Handle the night soil of a	Identify the difference between brackish water, sewage effluent
	city/ town with protection of	and night soil.
	environment and human	Recognize the various impact of night soil on the soil, water
	being. (NOS: MIN/N9431)	resources, atmosphere etc.
	3 (Understand the different types of faecal borne diseases due to
		Onderstand the different types of faced bothe diseases due to

	unsanitary disposal of night soil.
	Identify the various types of latrines and their construction.
	Identify the sewage treatment plant and understand the process
	diagram.
13. Plan solid waste	Recognize various waste materials.
-	Recognise resources that increase solid waste.
	Classify & collect waste.
(NOS: MIN/N1702,	Apply segregation techniques and segregate the waste.
MIN/N1703, MIN/N1704, MIN/N1705)	Apply suitable disposal techniques for waste disposal.
	Identify the working of biogas plant.
	Apply principles of recycling.
	1
14. Practice Bio Medical Waste	Apply Techniques of segregation, packaging, storage, transport of
and E- Management	infectious waste
(NOS: MIN/N9428)	Demonstrate different treatment method for Bio Medical Waste
(,,	
	Exhibit process of accumulation, storage and disposal of hazardous waste
	nazardous waste
45 Identify air mallytian	Identification of signallistics
15. Identify air pollution	Identify sources of air pollution.
sources and suggest the	Identify severity of air pollution.
suitable remedies.	Suggest preventive measures to abort air pollution.
(NOS: MIN/N1702, MIN/N1703,	
MIN/N1704, MIN/N1705)	
16. Interpret the effects of	Know the global warming and its effects.
global warming and identify	Measure the atmospheric temperature using thermometer.
the remedial measures.	Identify need of ventilation.
(NOS: MIN/N9432)	
17. Suggest the measures to	Understand impacts of noise pollution.
minimise the noise pollution.	Measure the noise pollution.
(NOS: MIN/N1702, MIN/N1703,	Identify the causes of noise pollution.
MIN/N1704, MIN/N1705)	Suggest the measures to be taken to minimise the noise
	pollution.
	1 10 2 10 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
18. Plan and suggest the	Understand the concept of ventilation.
ventilation requirements of a	Illustrate the types of ventilation.
particular area.	Identify the need of ventilation.
particular area.	•
(NOS: MIN/ N0459, MIN/	Suggest ventilation requirements of a particular area.
N0460)	



19. Illustrate concept of liquid	Observe various sources of liquid waste.
waste and disposal. Know	Understand human waste management system.
the types of sewers, health	Identify health hazards due to liquid waste.
hazard due to liquid waste.	
(NOS: MIN/N9433)	
20. Plan and help in construction	Understand types of sewerage system and their working.
and maintenance of sewers,	Identify various types of traps.
traps, plumbing tools etc.	Understand uses and working of traps.
(NOS: MIN/N9433)	
21. Suggest disposal methods	Observe importance for proper disposal of dead body and
for dead animals and	maintenance of record as per legal provision.
humans. (NOS: MIN/N9434)	Illustrate methods for preservation of dead.
	Identify basic requirements of a burial and cremation ground.
22. Identify different types of	Identify types of soil and its importance.
soil, its importance in	Identify agricultural benefits of soil.
relation with public health	Observe moisture level in soil.
and reclamation of land.	Understand concept of land reclamation.
(NOS: MIN/N9434)	
23. Plan and suggest sanitary	Understand concept of a healthy housing.
prescription of medical	Identify sanitary requirement of a house.
measures in housing and	Explain importance of housing and its good health impacts.
fairs & festivals.	Identify requirements of sanitation in a fair.
(NOS: MIN/N9435)	Estimate number of sanitation facility required for a particular
	event.
	Plan emergency sanitation, food, water supply for a large
	gathering.
24. Identify occupational health	Identify the occupational hazards to the employees.
hazards. Follow safety rules.	Identify the various safety programs and equipment to control
Prevent occupational	the occupational hazards.
diseases.	Implement measures for health protection of workers.
(NOS: MIN/N9436)	
25. Prepare and control of	Identify and use insect circles and disinfections.
biological environment and	Distinguish technique of sterilization and disinfection of various
different parts of spraying	articles.
equipment. (NOS: MIN/N9437)	Identify different parts of spraying equipment.
	Identify operation and maintenance of spraying equipment.
	Identify larvaecidals.

	Identify rodenticides.
26. Generate awareness	Understand importance of health education.
programmes for masses on	Identify working opportunities for a health inspector.
health education.	Plan health education awareness programme.
(NOS: MIN/N9438)	Contribute in health education awareness.
27. Illustrate importance of right	Learn importance of behaviour.
behaviour and personal	Impact of behaviour on personal hygiene.
hygiene, learn its direct	Identify behavioural changes as per age groups.
impact on their personal life & society. (NOS: MIN/N9439)	Understand concept of defence mechanism.
28. Perform first-aid treatment	Perform CPR.
to tackle medical emergency	Make first-aid box.
situation. (NOS: MIN/N9440)	Identify types of bandages.
	Perform dressing when needed.
	Treat causalities properly.
	Transportation and care of victims can be done.
	Perform first-aid procedures in various conditions.
29. Assess intensity of any	Identify symptoms of diseases.
disease, recognize the disease and provide first-aid	Identify types of disease weather it is communicable or non communicable.
treatment on time to contain	Guide precautions undertaken in any disease.
the disease. (NOS: MIN/N9441)	Implement preventive measure to contain any disease.
30. Follow the given	Identify age group for various immunisations.
immunization schedule and	Understand natural immunisation schedule.
understand its importance. (NOS: MIN/N9441)	Understand importance of immunisation.
(
31. Identify disinfection and its	Understand requirement of disinfection and sterilisation.
importance to control	Identify disinfection and sterilisation process in hospitals.
diseases. Carry out	Identify various disinfection agents.
sterilization. (NOS:	Use disinfectants effectively.
MIN/N9441)	Carry out sterilisation procedure.
32. Perform basic personal	Understand importance of personal hygiene habits.
hygiene and interpret its	Do proper care of their own nails and hands cleaning etc.
impact on a person's health	Do care of dental care procedures.
and personality. (NOS:	Develops regular hand washing habits.
HCS/N9902,HCS/N9903)	Develops healthy food habit.
1103/1103/1103/1103/	Develops ficultify food flabit.



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	results in a better personality.
33. Recognise various factors	Understand demography.
like death rate, birth	Identify death rate, birth rate, MMR, IMR etc.
rate, morbidity, MMR,	Understand importance of census.
IMR etc. analyse	
importance of census	
survey and data	
collection.	
(NOS: MIN/N9442)	
34. Categorise health survey.	Perform survey.
	Fill survey forms.
(NOS: MIN/N9442)	Perform data collection.
	Classify health surveys.
35. Familiarise with vocabulary	Understands importance of acts.
and terminology of different	Identify epidemic and endemic situations at a given area.
acts.	Understand air and water pollution control acts.
NOS: MIN/N9442)	Fill birth and death registration forms.
	MTP acts.
	Identify various acts and their importance.

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7. TRADE SYLLABUS

	SYLLABUS FOR HEALTH SANITARY INSPECTOR TRADE					
		DUI	RATION: ONE YEAR			
Duration	Reference Learning Outcome		Professional Skills (Trade Practical) With Indicative Hours	Professional Knowledge (Trade Theory)		
Professional Skill 50Hrs;	Make a nutrition plan for all age groups under given	1.	Point out the requirement of nutrition. (03 hrs)	Food (definition) & function of food & introduction of nutrition & nutrients.		
Professional Knowledge 24 Hrs	conditions following safety precautions. (NOS: MIN/N9429) Design a balanced diet as per the requirement under given conditions. (NOS: MIN/N9429) Calculate and suggest the calorie and nutrition	3.	Demonstrate on charts of various deficiency diseases. (04 hrs) Nutrient requirement of infant, wearing pregnancy, location, preschool child, school going child. (03 hrs) Survey of nutrition education & its importance. (03 hrs)	Classification of food, their sources, nutrient diets proteins, fat, vitamins & minerals – sources, function, deficiency excess & daily requirement. Balanced diet- definition & importance – Factors to be considered		
	requirements as per the specific requirements of the person. (NOS: MIN/N9429) Identify diseases that occur due to various deficiencies. (NOS: MIN/N9429) Assess disease symptoms.	5.6.7.8.9.	Preparation of diet menu for hypertensive, diabetic nephritis & heart patients. (03 hrs) Images of patients suffering from diseases. (03 hrs) Audio-video aids. (04 hrs) Tabular differentiation of types of malnutrition. (03 hrs) Importance of health	on planning meals. Nutrient requirement of different age group Diet survey Family assessment – clinical examination of all members – height & weight BMI [Body mass index], Head circumference, -Blood test for Hb. Nutrition education		
	(NOS: MIN/N9429) Inspect and report various food		education to overcome the problem of	malnutrition- causes prevention, low birth weight		



		1		1
	adulterations.		malnutrition.	(LBW), causes of LBW,
	(NOS: MIN/N9429)		(03 hrs)	prevention of LBW, special
	Suggest different food	10.	Display videos (Audio-	care to be given to
	preservation	video) on malnutrition.		malnourished children.
	techniques for various		(04 hrs)	
	types of food. (NOS:	11.	Demonstration of	Therapeutic Diet: Introduction
	MIN/N9429)		sources of Hb by	for balanced diet, weight
			pictorial chart. (03 hrs)	reducing diet- low fat diet,
		12.	Demonstration of	bland diet, cirrhosis of liver,
			spoilage of some food	renal stone
			items. (03 hrs)	
		13.	Application of common	Food Preservation: definition
			salt & sugar to increase	& methods, household &
			shelf life of many food	industrial method of
			items. (04 hrs)	preservation, self-line,
		14.	Cleanliness of Kitchen	Pasteurization: methods,
			equipment and cooking	types &importance.
			utensils (03 hrs).	
		15.	Operation and usage	Refrigeration: Prevents
			procedures of storage	spoilage.
			Equipment like	(24 hrs.)
			Refrigerators (04 hrs).	
Professional	Identify and	16.	Draw a chart sowing	WHO's definition for
Skill 50Hrs;	understand water and		various environmental	environmental sanitation.
	its properties and		factors. (03 hrs)	Safe and whole some water.
Professional	causes of water	17.	Tabulate various types	Sources of water. Various
Knowledge	pollution. Summarize		of water with their	uses of water and its needs.
12Hrs	water supply system		properties. (03 hrs)	
	with water treatment	18.	Classify water resources	Water borne diseases.
	in the city/ country		(surface water and	Conservation sources of
	etc.		ground water). (06 hrs)	water.
	(NOS: MIN/N9430)	19.	Prepare a pie chart of	Quality of water.
	Assemble plumbing		total availability of	Physical, chemical and
	system for		water on the earth	biological standard for
	Conservation of		(Fresh water, saltwater,	portable water.
	water.		potable water etc.) (02	Public health aspect of very
	(NOS: MIN/N9430) Develop rain water		hrs)	hard water.
	harvesting technique.	20.	Tabulate the per capital	Steps of disinfection of well.
	(NOS: MIN/N9430)		water demand for	Sources and nature of
	Identify and		domestic purpose. (02	pollution of water.
	understand the water		hrs)	D .c
	purification process.	21.	Prepare a chart of water	Purification of water:
	(NOS: MIN/N9430)		demand in different	i) Large Scale
	(1403. IVIII 4/143430)		areas such as hospitals,	ii) Small Scale
			hotels, industries,	



Sanitary Inspector			
		schools etc. (01 hrs)	Prepare of a sanitary well and
	22.	Prepare a chart for	tube well.
		impact of polluted	Plumbing system and its
		water on human health,	maintenance.
		animals, plants etc. (03	Water supply and storage
		hrs)	system at the community and
	23.	Tabulate the different	domestic.
		methods for	Pot method of chlorination.
		conservation of water in	Swimming pool.
		different areas. (03 hrs)	Water testing labs.
	24.	Draw and sketch a	(12 hrs.)
		picture of rainwater	
		harvesting. (01 hrs)	
	25.	Identify the difference	
		between portable	
		water, safe and whole	
		some water. (03 hrs)	
	26.	Prepare a chart for	
		physical, chemical and	
		bacteriological quality	
		of water. (02 hrs)	
	27.	Explain the disinfection	
		with various	
		disinfectant for well	
		disinfection (02 hrs)	
	28.	Prepare the list of	
		sources of water	
		pollution with their	
		different characteristics.	
		(02 hrs)	
	29.	Visit to a water	
		treatment plant. (02	
		hrs)	
	30.	Make a diagram of	
		water treatment plant	
		with different process	
		of water purification.	
	24	(03 hrs)	
	51 .	Collection and dispatch	
		of water sample for chemical and	
		bacteriological	
	22	examination. (02 hrs)	
	52.	Prepare and construct a	
		purification system in	

	1			
			the rural areas. (02 hrs)	
		33.	Calculate the chlorine	
			demand and prepare	
			the graph also for	
			residual chlorine in	
			water. (01hrs)	
		34.	Collect the water	
			sample from the	
			domestic taps, surface	
			and ground water	
			resources. (02 hrs)	
		35.	Perform the practical	
			for physical and	
			chemical parameters of	
			given water sample in	
			testing labs	
			- pH	
			- Turbidity	
			- Chlorine	
			- Hardness	
			- TDS	
			- Acidity	
			- Alkalinity etc. (05 hrs)	
Professional	Handle the night soil	36	Show the difference	Night soil disposal
Skill 40Hrs;	of a city/ town with	00.	between water and	Sewage in liquid waste
Jan 101113,	protection of		sewage with given	containing human excreta.
Professional	environment and		samples in the bottles in	containing framari exercta.
Knowledge	human being. (NOS:		the testing labs. (02 hrs)	Numerous impact of night soil
12Hrs	MIN/N9431)	37	Categorises the	on the environmental factors.
121113	,	٥,.	numerous impact of	on the chivinonmental factors.
			night soil on the water	Faucal borne disease due to
			bodies, atmosphere, soil	unsanitary disposal of night
			etc. (06 hrs)	soil.
		38	Tabulate numerous	3011.
		50.	impact of food chain	Different types of latrines in
			and impact of food	use principal of construction
			contamination on	of sanitary latrines and their
			human bodies. (02 hrs)	uses.
		30	Prepare a chart for	i) Bore hole
		33.	various diseases due to	ii) Dug well
			unsanitary disposal of	iii)RCA
				_
		40	night soil. (02 hrs) Describe the	iv) Septic tank latrines.
		40.	construction and	(12 hrs.)
			maintenance of service	
		I	maintenance of service	i l

	42.	and non-service type latrines bore hole, dug well, RCA, septic tank, sulabh souchalaya. (13 hrs) Visit to sulabh souchalaya. (07 hrs) Demonstrating the construction and maintenance of trenching ground. (08 hrs)	
Skill 46Hrs; mana in an Professional Knowledge 12Hrs (NOS: MIN/N	area or a small a. MIN/N1702, N1703, N1704, N1705) 46. 47. 48.	Identify resources of increasing solid waste. (02 hrs) Tabulate the category of solid waste based on sources. (02 hrs) Classify solid waste according to their different properties such as medical, municipal, commercial, construction. (02 hrs) Demonstration of collection methods of solid waste. (02 hrs) Prepare a plan chart of solid waste management in a city. (02 hrs) Prepare pie chart composition of MSW. (02 hrs) Explain the disposal methods of solid waste in sanitary methods. (12 hrs) Illustrate the bad effects of solid waste disposal in a chart. (04 hrs) Compare the different methods of collection	 Solid waste disposal Source, generation, storage, collection and disposal methods of solid waste. Classification of solid waste in community. Polluting effects of different types of solid waste. System of collection of solid waste from the houses & streets. Sanitary transportation of solid waste. Sanitary process of disposal of solid waste such as composting, sanitary land filling, incineration etc. (12 hrs.)

		T	,
Professional Skill 80 Hrs; Professional	Practice Bio Medical and E- waste management system. (NOS: MIN/N9428)	solid waste with diagrams. (02 hrs) 52. Visit disposal site. i. Sanitary landfills ii. Composting iii. Incineration iv. Biogas plant (16 hrs) Bio Medical Waste Management 53. Techniques of segregation, packaging,	Bio Medical Waste Management — Definition of Bio Medical Waste
Knowledge 20Hrs	(NOS: MIIN/N9428)	segregation, packaging, storage transport of infectious waste. (15 hrs) 54. Techniques of Biomedical waste management. (12 hrs.) 55. Treatment method-Autoclave, Hydro clave, Microwave, Chemical Disinfection, Solidification and stabilization, Bioremediation, (20 hrs.) 56. Accumulation and storage of hazardous waste, (12 hrs.) 57. Land disposal of hazardous waste, (17 hrs.)	- Sources of Bio Medical Waste - Waste minimisation - BMW – segregation, collection, transportation, treatment and disposal (including color coding) - Liquid BMW, Radioactive waste, Metals/Chemicals/Drug waste - BMW management and method of disinfection - Modern technology for handling BMW - Use of personal protective equipment (PPE) - Monitoring and controlling of cross infection (protective devices) - Identifying the risk of Bio Medical Waste - E-waste: Introduction, toxicity due to hazardous substances in e-waste and their impacts, domestic e- waste disposal, e-waste management, technologies for recovery of resource from electronic waste, guidelines for environmentally sound management of e-waste, occupational and



					environmental health perspectives of recycling ewaste in India.
Professional Skill 35Hrs; Professional Knowledge 14Hrs	Identify air pollution sources and suggest the suitable remedies. (NOS: MIN/N1702, MIN/N1703, MIN/N1704, MIN/N1705) Interpret the effects of global warming and identify the remedial measures. (NOS: MIN/N9432) Suggest the measures to minimize the noise pollution. (NOS: MIN/N1702, MIN/N1703, MIN/N1704, MIN/N1705) Plan and suggest the ventilation requirements of a particular area. (NOS: MIN/ N0459, MIN/ N0460)	59.60.61.62.63.64.	Demonstration of humidity and temperature. (04 hrs) Point out sources of air pollution. (02 hrs) Prepare charts or posters of Global warming. (03 hrs) Prepare posture on prevention techniques for Air pollution. (03 hrs) Demonstration of an AC plant for thermal comfort. (03 hrs) Point out types of ventilation. (03 hrs) Measurement of noise level. (05 hrs) Process to control noise pollution (12 hrs)		Introduction of air pollution. Composition of air. Sources and nature of air pollution. Effect of air pollution on health. Prevention and controlling methods for air pollution. Explain global warming and its impact. Concept of temperature, humidity, radiation, thermal comfort, evaporation etc. Methods of air purification. Air disinfection. Definition of ventilation. Concept and importance of adequate ventilation. Types of ventilation ise pollution Introduction. Sources. Health Impacts. Preventive measures for controlling Noise
Professional	Illustrate concept of	66	Point out the sewage	Lia	pollution.(06 hrs.) uid waste disposal
Skill 45Hrs; Professional Knowledge	liquid waste and disposal. Know the types of sewer Health hazards due to liquid	67.	treatment plant. (04 hrs) Inspection of flushing tank, manholes etc.	_ _ _	Definition of liquid waste and its sources. Human waste management system.
14Hrs	waste. (NOS: MIN/N9433) Plan and help in construction and maintenance of	68.	(05hrs) Demonstration of various traps 'p' trap, 's' trap, 'q' trap etc. (10 hrs)	_ _ _	Various methods for liquid waste disposal. Pollution of water due to sewage. Health hazard associated



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	sewers, traps, plumbing tools etc. (NOS: MIN/N9433)	70. 71.	Demonstration of manholes by video calls. (10 hrs) Demonstration of various plumbing tools like hacksaw, pipe cutter, pipe vice, pipe wrench set of spanners etc. (06 hrs) Inspection and maintenance of sewage treatment plant. (06 hrs) Identify various equipment of sewage disposal. (02hrs) Identify pollution of water from sewage. (02 hrs)		with liquid waste. Sewers and its types. Methods of laying sewers. Construction and maintenance of sewers. Sewer appurtenances. Traps introductions. Types of traps. Definition of plumbing. Plumbing tools and operations. vage disposal Definition and types of sewage system. Sewage farming and land treatment. Sewage disposal by biogas plant. Methods of disinfecting sewage. Sewage farming.(12 hrs.)
Professional Skill 43Hrs; Professional Knowledge 12Hrs	Suggest disposal methods for dead animals and humans. (NOS: MIN/N9434) Identify different types of soil, its importance in relation to public health and reclamation of land. (NOS: MIN/N9434)	75. 76.	Visit to burial ground, proper process of disposal of dead bodies and maintenance of records as per legal provisions. (17 hrs) Identify soil sample equipments. (09 hrs) Sampling for assessment of soil pollution. (09 hrs) Treatment of soil after the PH and disinfection. (08hrs)		ial and Cremation Introduction Disposal of dead. Types of disposal methods. Methods of preservation of dead. Commonly and less commonly used methods for disposal of dead. Basic requirements for burial and cremation grounds. Health hazards associated with unsanitary disposal of dead bodies. Isanitation Introduction and importance of soil. Classification from the view point of importance

					in public health.
				_	Reason of excessive
					moisture in the soil.
				_	Reclamation of land.
				_	Soil health.(12 hrs.)
Professional	Plan and suggest	78.	Visit of housing for	Ho	using
Skill 43 Hrs;	sanitary prescription		assessing sanitary	_	General principle of
J 15 15,	of medical measures		standards and		healthy housing.
Professional	in housing and fairs &		prescription of remedial	_	Home sanitation.
Knowledge	festivals. (NOS:		measures. (15 hrs)	_	Utility services of house.
12Hrs	MIN/N9435)	79.	Classify the	_	Sanitary standards for
			overcrowding. (04 hrs)		construction of house.
		80.	Inspection and		Food hygiene at home.
			preparation of fairs and	_	Specification for healthy
			festivals. (14 hrs)		•
		81.	Preparation of sanitary	San	housing. litation in fairs and
			arrangements	Sai	festivals
			associated with natural	_	Sanitation management
			calamities. (10 hrs)		at fairs and festivals.
			, ,		Sanitary problems
					associated with human
					gatherings and temporary
					settlements.
					Alternative emergency
					sanitary provisions to
					prevent sanitation crisis
					for food, housing, water
					supply, lighting.
				_	Disposal of community waste and prevention of
					outbreak of
Professional	Identify occupational	ดว	Visit various trade	00	epidemics.(12 hrs.)
Skill 35Hrs;	health hazards. Follow	02.	premises (diary, bakery		Introduction
, כווו ככוווא,	safety rules. Prevent		etc.) (10 hrs)	_	Occupational
Professional	occupational diseases.	82	Visit to a factory for	_	environment measures.
Knowledge	(NOS: MIN/N9436)	ىن.	survey of sanitation		
12Hrs	(1100, 0110)		problems of workplace.	_	Occupational diseases.
121113			(14 hrs)	_	State the importance of
		84	Identification of danger		safety and health at work
		U-T.	zones and adequacy of		place.
			safety arrangements.(11	_	State the role of
			hrs)		employer, trade union
			1113)		and employees for health
					and safety program.

Professional Skill 24 Hrs; Professional Knowledge 06Hrs	Prepare and control of biological environment and different parts of spraying equipment. (NOS: MIN/N9437)	 85. Identification and use of insecticides, pesticides and disinfectants. (02 hrs) 86. Application of techniques of sterilisation and disinfection of various articles. (04 hrs) 87. Identification of different part of spraying equipment. (04 hrs) 88. Identify and use of larvicides. (04 hrs) 89. Operation and maintenance of spraying equipment. (06 hrs) 90. Identify and use of 	 environment Introduction Study on insecticides, pesticides and disinfections. Sterilisation and disinfection of different articles. Various spraying equipment. Uses of rodenticides and larvaecidals. Principal of arthropod control. (06 hrs.)
		90. Identify and use of rodenticides. (04 hrs)	
Professional Skill 60Hrs; Professional Knowledge 16Hrs	Generate awareness programmes for masses on health education. (NOS: MIN/N9438)	 91. Designing of posters on Malaria. (10 hrs) 92. Designing of posters on roles and responsibilities of a health inspector. (10 hrs) 93. Demonstration of health awareness program as a class activity. (06 hrs) 94. Designing environmental sanitation posters. (08 hrs) 	 Content of health

		95.96.97.98.	Designing posters on balanced diet.(06 hrs) Designing poster on basic hygiene practices.(04 hrs) Preparing power point presentation on health awareness.(10 hrs) Demonstration of preparation of ORS.(06 hrs)		relation to environmental sanitation. Awareness on need of sanitation amenities. Health education material. Contribution of public health centres in health education. Utilising community resources for health education. Benefits of personal contract group meetings to provide health
Professional Skill 51Hrs; Professional Knowledge 16Hrs	Illustrate importance of right behaviour and personal hygiene, learn its direct impact on their personal life & society. (NOS: MIN/N9439)		Preparing charts on personal hygiene habits. (22 hrs) Designing posters on Do's and Don'ts in a social behaviour. (11 hrs) Demonstration of hand washing and caring. (09 hrs) Demonstration on oral hygiene. (09 hrs)		havioral Science Definition of behavioural science. Importance of behavioural science. Impact of behaviour on personal hygiene. Basic hygiene practices. Habits and customs affecting personal hygiene. Caring sense organs. Oral hygiene. Factors influencing human behaviour, change of behavioural pattern in different age groups. Interpersonal relations and defence mechanism. (18 hrs.)
Professional Skill 95 Hrs; Professional Knowledge 16 Hrs	Perform first- aid treatment to tackle medical emergency situation. (NOS: MIN/N9440)	104.	Dressing of wounds, bandages. (08 hrs) Management of bone injuries with splints, slings.(10 hrs) Transportation of injured and unconscious cases and their management.(09	_ _ _	First-Aid Aim of first-aid. Principles and practice of first-aid. Contents of a basic first-aid box. CPR Types of dressing and bandages.

		hrs) 106. Diagnosis and treatment of minor ailments, cough, fever, bleeding, toothache etc. (15 hrs) 107. Poisoning case managements (08 hrs) 108. Management in case of heat attack, sun stroke haemorrhage, burns, electrical injuries etc.(20 hrs) 109. Training on artificial respiration.(10 hrs) 110. Arranging first-aid treatment in various emergency cases. (15 hrs)	 Handling multiple casualties. Types of injuries like road accidents, factories accidents and disaster
Professional Skill 71Hrs; Professional Knowledge 20Hrs	Assess intensity of any disease, recognize the disease and provide first-aid treatment on time to contain the disease. (NOS: MIN/N9441) Follow the given immunization schedule and understand its importance. (NOS: MIN/N9441) Identify disinfection and its importance to control diseases. Carry out sterilization. (NOS: MIN/N9441)	111. Demonstration on communicable and non-communicable diseases symptoms and their control measures (20 hrs) 112. Preparation of immunisation programme (15 hrs) 113. Conducting health and general survey and report making. (20 hrs) 114. Videos on disinfection and sterilisation techniques. (08 hrs) 115. Various chemicals uses with safety for disinfection through videos. (08 hrs)	 Air-borne and transmission of diseases through contact. Symptoms of diseases. Explain in detail various communicable diseases like Swine Flu, T.B., AIDS, Diphtheria, Polio, measles, diarrhoea etc. General measures for prevention and control of

					prevention and control of non-communicable
					diseases.
					Immunity and
					immunisation
				_	Importance of immunity
					and immunisation
				_	Types, purpose and effect of immunisation.
				_	National immunisation
					schedule.
				_	Measles, typhoid vaccines
					and pentavalent vaccine.
					<u>Disinfection and</u>
					<u>sterilisation</u>
				_	Need of disinfection and
					sterilisation.
				_	Importance of disinfection and sterilisation in
					hospitals.
				_	Introduction and uses of
					various disinfection agents
					like Halogen,
					KMnO₂solution, solid and
					liquid agents.
				_	Effective disinfectants like
					formaldehyde, sulphur,
					chlorine gases etc.
				_	Use of UV radiation and
					ozone as disinfectant.(30
					hrs.)
Professional	Perform basic	116.	Making posters on	Pe	rsonal hygiene
Skill 20Hrs;	personal hygiene and		dental care. (06 hrs)	_	Need and importance of
	interpret its impact	117.	01		personal hygiene in daily
Professional	on a person's health		and hair hygiene. (04		life.
Knowledge	and personality.	440	hrs)	_	Factors influencing health
10 Hrs	(NOS: HCS/N9902,HCS/N9903)	118.	01		and hygiene habits.
	1103/113302,1103/113303/		basic hygiene habits.	_	Maintaining basic hygiene
		110	(03 hrs)		habits of skin, hair, oral,
		119.	Demonstration on right method for hand		nails etc.
				_	Developing dental care,
		120.	washing. (03 hrs) Demonstration on oral		care of hands, washing
		120.			etc.
			health. (04 hrs)	_	Importance of regular



			exercise and nutritious
			food. (06 hrs.)
Professional	Recognize various	121. Data collection from	Demography and health
Skill 52Hrs;	factors like death	hospitals for Malaria	survey
ŕ	rate, birth rate,	cases. (05 hrs)	Definition and
Professional	morbidity, MMR, IMR	122. Data collection from	introduction of
Knowledge	etc., analyse	hospitals for Dengue	demography.
12Hrs	importance of census	cases.(05 hrs)	 Factors of demography.
	survey and data	123. Health survey of	 Various stage of demo.
	collection.	people of a locality.(05	1. High stationary
	(NOS: MIN/N9442)	hrs)	Early expending
		124. Vaccination survey in a	3. Late expending
	Categorise health	locality. (05 hrs)	4. Low stationary
	survey.	125. Design and prepare	 Health survey includes
	(NOS: MIN/N9442) Familiarise with	population control	birth rate, death rate,
	vocabulary and	measures on chart.(05	morbidity, IMR, MMR etc.
	terminology of	hrs)	 Population control
	different acts. (NOS:	126. Collection and dispatch	measures.
	MIN/N9442)	of food samples for analysis preparation of	Public Health Act
	,	papers for legal	Definition, introduction
		proceeding.(04 hrs)	and importance of acts.
		127. Performance of simple	Indian Epidemic Disease
		household tests to	Act.
		identify adulteration in	Explain endemic, pandomic with examples
		milk, ghee, oil, sugar,	pandemic with examples.Define epidemiology.
		tea etc.(05 hrs)	Air and Water Pollution
		128. Acquaintance with	Control Act.
		registration of acts.(06	Prevention of Food
		hrs)	Adulteration Act.
		129. Prepare reporting of	Birth and Death
		different acts.(04 hrs)	Registration Act.
		130. Documentation	– M.T.P. Act.
		process for	Suppression of Immoral
		implementation of	Traffic Act (SITA).
		different acts.(04 hrs)	Municipal and Local Body
		131. Prepare a chart of	Acts related to Housing
		pollution levels of toxins of different	Sanitation Act.
		industries in an	 Factory Act and ESI Acts.
		area.(04 hrs)	(12 hrs.)
Project work/	 	urca.(0+1113)	

Project work/ Hospital visit

Broad Areas:

- a) Arranging first-aid treatment in various emergency cases.
- b) Design and prepare population control measures on chart.



- c) Various chemical uses with safety for disinfection through video.
- d) Preparing charts on personal hygiene habits.
- e) Data collection from hospitals for malaria cases.
- f) Prepare a chart of pollution levels of toxins of different industries in an area.

SYLLABUS FOR CORE SKILLS

1. Employability Skills(Common for all CTS trades) (120 Hrs)

Learning outcomes, assessment criteria, syllabus and Tool List of Core Skills subjects which is common for a group of trades, provided separately in www.bharatskills.gov.in / dgt.gov.in



		List of Tools & Equipment				
HEALTH SANITARY INSPECTOR (For batch of 24 Candidates)						
S No.	Name of the Tools and Specification		Quantity			
A. TRA	AINEES TOOL KIT					
1.	Gloves		As required			
2.	Apron		24 nos.			
3.	Disposable Mask		As required			
B. SHO	OP TOOLS, INSTRUMENTS					
Lists o	of Tools:					
4.	Ventilation System		1 no.			
5.	Sewage System and		1 no.			
	Treatment plant					
6.	Water Purification Plant		1 no.			
7.	Sanitary Plant		1 no.			
8.	Waste Disposal Plant		1no.			
C. LIST	T OF EQUIPMENTS					
9.	LCD Projector/Interactive Smart Board		1 no.			
10.	Desktop computer	CPU: 32/64 Bit i3/i5/i7 or latest processor, Speed: 3 GHz or Higher. RAM:-4 GB DDR-III or Higher, Wi-Fi Enabled. Network Card: Integrated Gigabit Ethernet, with USB Mouse, USB Keyboard and Monitor (Min. 17 Inch. Licensed Operating System and Antivirus compatible with trade related software.	1 no.			
11.	Refrigerator	165 Ltr	1no.			
12.	Autoclave		1 no.			
13.	Sterilizer		1 no.			
14.	TDS Meter		2nos.			
15.	Thermometer		4 nos.			
16.	BP Instrument		1 no.			
17.	Stethoscope		4 nos.			
18.	Haemoglobin meter		2 nos.			
19.	Laboratory Microscope		1 no.			
20.	First-Aid Kit		2 nos.			
21.	Needles and Syringes		As per requirement			

ABBREVIATIONS

CTS	Craftsmen Training Scheme	
ATS	Apprenticeship Training Scheme	
CITS	Craft Instructor Training Scheme	
DGT	Directorate General of Training	
MSDE	Ministry of Skill Development and Entrepreneurship	
NTC	National Trade Certificate	
NAC	National Apprenticeship Certificate	
NCIC	National Craft Instructor Certificate	
LD	Locomotor Disability	
СР	Cerebral Palsy	
MD	Multiple Disabilities	
LV	Low Vision	
НН	Hard of Hearing	
ID	Intellectual Disabilities	
LC	Leprosy Cured	
SLD	Specific Learning Disabilities	
DW	Dwarfism	
MI	Mental Illness	
AA	Acid Attack	
PwD	Person with disabilities	



