

MADHYA PRADESH PARAMEDICAL COUNCIL6th Floor, Satpura Bhawan, Bhopal**Syllabus & Guidelines****Schedule serial No. 21****Subject: Certificate in Health Inspector****No. Of Admission: - 0-50 Admission Per Year**

S.No	Duration/ degree /Diploma /Certificate	Syllabus	Teaching faculty with minimum qualification & experience	Non- teaching state with qualification & experience	Library	Laboratory with Equipment	Buildings		Remarks
							Teaching	Hostel	
1.	1 years (12 months) course	Appendix 'A' enclosed	<p>1. Medical Officer trained in Public Health, Epidemiology & Environmental or Sanitation.</p> <p>2. Expert in Public or Health engineering.</p> <p>3. Faculty of Medical College Specially Department of Community Medicine or statistic & health Educ.</p> <p>4. Municipal Corporation & Municipality Health Officer.</p> <p>5. CMOH of Distt chief medical & Health officer & Distt. Health Officer</p>	<p>1. Food Inspector with B.Sc & Diploma in Sanitary Inspector.</p> <p>2. A teacher having DHE or equivalent qualification.</p> <p>3. Clerical staff with knowledge of record keeping.</p>		A well equipped laboratory with facilities of microbiology & water analysis. One mini bus for field works.	Lecture Hall- 2 2500 sq.ft Demonstration- 3 1250 sq.ft	25 room double seated 15' x 20' with kitchen, Dining rooms, toilets	The laboratories and other accessories facilities as per community Medicine department.

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1. JOB OPPURTUNITY 1.1 Wage Employment

1.1.1 Health/Sanitary Inspector (H/SI) in notified area Councils, municipalities, Municipal Corporations.

1.1.2 H/SI in Drainage and Sewage Disposal undertakings, water supply Authorities in cities.

1.1.3 H/SI in Hotels.

1.1.4 H/SI in Health clubs.

1.1.5 H/SI in Institutions for Hotel Management, Catering and Illustration.

1.1.6 H/SI in Prison / Jails.

1.1.7 H/SI in Industries

1.1.8 H/SI in Mining and Allied projects

1.1.9 H/SI in Construction projects (Draining, Housing)

1.1.10 H/SI in Water pollution, control authorities

1.1.11 H/SI in Short authorities specially conducting aquatic events.

1.1.12 H/SI in Biological Farms (Dairy, Husbandry & Fish Farms)

1.1.13 H/SI in Airports and seaports

1.1.14 H/SI in Railways

1.1.15 Food Inspectors

1.1.16 H/SI in Police Barracks

1.1.17 H/SI in Defence services

(a) In Cantonments

(b) In Camps

(c) In field station to the level of Cays

(d) In station health organization

1.1.18 H/SI in Vertical national health programme (Filarial control, TB control, Gurroaworm control, Yaws control, MOH programme etc.)

1.1.19 H/SI in Hospitals

1.1.20 H/SI in sanitary work agencies/undertakings/ Contractors.

1.2 SELF ENVIRONMENT

1.2.1 Consultancy services for sanitary fittings and plumbing systems in private houses.

1.2.2 Insecticide and Rodenticidal services.

1.2.3 Health an municipal clinics.

2. JOB DESCRIPTION

2.1 Wage Employment

2.1.1 H/SI in Notified Area councils Municipalities, Municipal Corporation:

1. Maintenance of cleanliness of wards by supervising the works of the sweepers
2. Inspection of dwellings for sanitation and reporting regarding sanitary aspects on new constructions
3. Inspection of Boarding & lodging houses as regards the adequacy of sanitation facilities for Boarders and occupants
4. Supervision of staffs engaged in day-to-day maintenance of sewage working and systems
5. Supervision for proper disposal of Human Excretas.
6. Maintenance of refuse disposal system including carcass beginning from street collection to final disposal
7. Maintenance of market places, slaughterhouses, food handlers and food handling establishments/ in clean & sanitary condition
8. Inspection of meat for certification for Human consumption and checking at three points i.e. slaughterhouse, transportation/ storage and distribution
9. Inspecting the establishment elated to traits dealing with dangerous and offensive goods and other establishments having public health concerned like Saloon, Laundries, Dhobi Ghat and other places of public conveniences
10. Maintenance of sanitations on public gathering like fair festival places of worship religious gathering, camps, public resorts, bathing ghats, bus stops and picnic spots and ferry ghats
11. Inspection and maintenance of sanitation of burial and funeral grounds and cremator.

12. Organisation and supervision of activities related to control of breeding of arthropods of medical importance.
13. Disinfection of water sources other than public water supply system
14. Maintenance of waterways in sanitary conditions
15. Visit to the school for counselling in sanitary aspects of school environment and health education
16. Undertaking sanitary surveys and investigation of epidemic diseases. Controlling epidemics or undertaking anticipated prevention measures including sample collection for laboratories analysis.
17. Organization of health camps and health education campaigns
18. Undertaking insecticidal or luvicidal and or rodenticidal operation and destruction of stray dogs.
19. Assist the municipal health authorities in maintenance of records related to public health, epidemiological intelligence works and in all public health activities.
20. Organisation of sanitation works.
21. Notivation to legal informs for registrations of vital events.
22. Implementation of prevention of food adulteration act as per the delegation of authorities.
23. Participation in operation aspects of various national and international health and sanitation related programme implemented locally.
24. Assist n establishment of health clinics in special situations. 25. Periodic inspection of establishments organized as per provision in acts rules and laws applicable locally.

2.1.2 H/SI in Drainage and sewage disposal undertakings & water supply authorities in cities.

(a) Drainage & Sewage Disposal undertakings

1. Inspection of drainage and plumbing system and street sewers for their maintenance and proper functioning including timely cleaning.
2. Sanitation survey for sewerage out falls and pollution of surface or ground water for taking remedial measures.
3. Development of sewage farming and prevention of sewage farming pollution.
4. Ensuring safety measure for sewage works and taking prevention measures for their occupational health hazards.
5. Preventing insect breeding in open drains or Cass pools or and Air pollution hazards of the sewages systems.
6. Assist the public health engineering establishment regarding sanitation aspect of sewerages treatment plant area.
7. Collection of sewage samples for laboratory analysis.
8. Assistance in sewages laid outs and record keeping.

(b) Water supply Authority

1. Inspection of plumbing systems and their maintenance.
2. Sanitation survey, assessment of new regarding various uses of water and reporting.

2. Sanitations survey, assessment of new regarding various uses of water and reporting.
3. Connection of water sample or laboratory analysis and checking chlorine cordent at the consumer point.
4. Surveillance for water borne diseases in supply zones.
5. Assistance in water supply system lay out planning, selection of alternate sources of portable water in courageous organization at alternate supply.
6. Ensuring proper sanitation of water treatments plants and maintenance of filter.
7. Regular insection, leaning and Disinfection of all kind of storage tanks in the supply system.
8. Sanitation of water source attachment areas and reservoirs of untreated water.

2.1.3 H/SI in Hotels

1. Ensure the sanitation provision of the room.
2. Ensure the permissible norms of occupancy.
3. Look after the macro-invironmant of Hotel Building, open space and lay outs for hygiene living or in mades.
4. Ensure proper sanitary measures during the operation of landing and general routine, cleaning, services of the Hotel.
5. Ensure for hygienic food supply, proper sanitation measures during procurement, preparation, and storage and catering services.
6. Manage the proper disposal of refuse.
7. Supervise the maintain of laboratories and swimming pool and sewerage system.
8. Ensure portable water supply to all inmates either at rooms or in common points including kitchen and dinning places.
9. Conduct inspection for proper reventillation and adequate lighting as per the described standard.
10. Undertake preventive measures for nuisance due to insects and rodents.
11. Ensure safety from stray and harmful animals.
12. Keep surveillance for appearance for any communicable diseases and their preventive.
13. Conduct routine inspection of personnel Hygiene of food hardens.

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2.1.4 H/SI in Health Clubs

1. Assist management in managing proper sanitation as regards light, Ventilation and other health related facilities.
2. Look after the maintenance of swimming pool sanitation where needed.
3. Educate people who visit health club as regards hygiene, sanitation and nutrition.
4. Assist the management operation of Sauna bath.

2.1.5 H/SI in Institutions for Hotel Management Catering and Nutrition

1.semo as in item 1.1.3

1. Ensure congenial and Hygienic working situation or selective placing of the prisoners in suitable jobs for those who are required to work. 2 to 5 same as 2.1.4 (1 to 4)

2.1.7 H/SI in Industries

1. Environmental: Undertake survey on effect of industrial pollutants on the population and their environment.

2. Take remedial sanitary measures within pollution zone to control environmental pollution and its effects.

3. Inspect treatment of industrial effluent for preventing water and soil pollution.

4. Undertake routine inspection for ensuring potable water supply to the industrial workers and safe water for personal cleanliness. 5. Inspect and ensure sanitary to crèches attach to industrial schools.

6. Ensure sanitation of canteens and personal hygiene of good handles and catering services.

7. Observe various physical components of environment such as Noise, Light, ventilation funnels, radioactivity smokes and other chemical components and report to the authorities for connective actions.

8. Ensure adequacy and proper maintenance, conveniences for the workers.

9. Inspect one of personal protective devices such as protective dresses, mask, gloves, vizen, earmark etc.

10. Train the worker for use of safety devices and use of conveyances, adoption of emergency safety measures and maintenance of personal hygiene.

11. Impart health education to industrial workers and family members for hygienic livings, proper nutrition and family planning practices.

12. Render first aid services as and when necessary.

13. Render first contact health care.

14. Ensure provision of sanitary services and immunization services in villages adopted by the industry under social welfare programme.

2.1.8 H/SI in Minor and allied projects It as in 2.1.7 (industries). 2.1.9 H/SI

1. Use DDC, F.T.D, for control of malaria and to organize services bearing public health importance to the locality or among the workers.

2. Same as in 2.1.7 (industries)- 4,5,6,7,8,9,10,11,12,13.

2.1.10 H/SI in Water pollution control authorities Same as in 2.1.2 2.1.11 H/SI in Sports authorities specially conducting aquatic events

1. Upkeep of sanitation in sports village /camps as given in term 2.1.17 (a)- 3 to 10.

2. Maintain the desanification of water and maintain of lays and ensure the recycling of water.

3. Maintain the hygiene of changing room and personal hygienic and maintain annularly personal hygienic facilities.

4. Monitor the bacteriological quality of water after taking regular water samples.

5. Impart Health education to swimming pool users.

2.1.12 H/SI in Biological farm

1. Supervise the maintenance of sanitation of the farm area, including safe water supply reference, sewage, offal and human extract disposal.
2. Take measures for pollution associated with farming and industrial process related farming or biological products within the farm area and in the locality and maintain a monitoring system.
3. Ensure personal hygienic and safety measures.
4. Take measures for prevention of diseases and injuries associated with handling of animals among farm workers.
5. Aspects food processing units like pasteurization, Canning, preservation and storage and marketing of food product as per prescribed standards.
6. Inspects non-food products and processing like hides, wool, and hoary works etc and its processing confirming to the hygienic standards.
7. Ensure control of post and rodents in the farm area.
8. Assist in periodic health checkup of persons engaged in the farm and to veterans for interrupting diseases transmission process between man and animals.
9. Monitor the containment in other edible mountic life in water for fish farming, prevent transmission of diseases through aquatic farm produces. 1
10. Organize monitoring of physical environment within an in the vicinity of farm area.

2.1.13 H/SI in Sea port and airport

1. Inspect and sin force provision of international health regulation as and where applicable.
2. Take timely measure for control of pasts and rodents in borrow houses in the ships or in the planes.
3. Ensure sea and airport sensation in journal and prevention of in descrimate disposal of food residues & other materials attracting words and animals.
4. Check the quality of water supply to ship and aero plane.
5. Ensure catering sanitation as detailed in 2.1.3 (Hotel).

2.1.14 H/SI in railways

1. Ensure railway station and colony sanitation as detailed in 2.1.1.
2. Inspect and ensure maintenance of carriages sanitation in respect of insect and rodent control.
3. Ensure cleaning, washing, Disinfection of passenger carriages including its laboratories.
4. Ensure proper food sanitation as given 2.1.3.
5. Take personal men sure against communicable diseases among the passengers.

2.1.15 Food Inspector Discharge the statuary power as provided under prevention of food adulteration Ast.

2.1.16 H/SI in Police Barrack Same as in 2.1.17(a)

2.1.17 H/SI in Defence services (A) In Cantonment

1. Assist the Garrison health Inspector- in- chief to monitor and supervise the cantt. sanitation.
2. Conduct Regular and periodic health inspections of quarter, guard and other regimental areas.
3. Conduct periodic inspection of lines, work, houses, and water supply and drainage system.
4. Assist M.O. in health hygiene inspection of cooks and water carriers.
5. Organize health education classes/ lectures for officers, man and families.
6. Provides extension services to near by civilian areas.
7. Participate in preparation for annual inspection of the cantonment.
8. Supervise refuse and garbage disposal.
9. Assist M.O. in maintaining Police Room and inspect sex education to soldier.
10. Assist R.M.O. for implementation of various national programs as extended to canteen when necessary including immunization.
11. Assist M.O. in family planning.
12. Carry out survey and collect program information health intelligence in cantt. and near by civil areas.
13. Assist in compilation and analysis of various health intelligence respects for the command areas and environment for adopting preventive and curative health Strategies.
14. Lease with civil authorities as and when needed.

(B) Camps

1. Assist Garrison engineer in planning and execution of camp sanitation.
2. Carry out sanitation and health intelligence surveys before establishment of camps in advanced party.
3. Evolve alternate military strategies in water discipline and sewage disposal in the event of any failure.
- 4 to 14 Same as 2 to 12 in 2.1.17 (a). 5. Take care of sick parade.

(C) In field station to the level of company.

1 to 13 same as 2 to 14 in 2.1.17 (b)

(D) In station health organization

1. Conduct regular/courses in military health hygiene 2 to 14 same as 2.1.17 (b)

2.1.18 H/SI in Vertical National programme

1. Implementing vertical national programmes which may necessitates survey, execution of control measures monitoring, periodical inspection and education of the community about to the programme.

2.1.19 H/SI in Hospitals

1. Supervise central cleanliness:

- i) Hospital cattle shed / dusting, sweeping, moping.
- ii) Wards. iii) Operation theaters.
- iv) Labour room.
- v) Kitchen

2. Organize collection; transportation and disposal of refuse
3. Check Water supply system and drainage system.
4. Ensure quality control of water supply including Disinfection of water at storage supply and delivery levels.
5. Ensure prevention of infection.
6. Ensure cleanliness of bath, latrine, and urinals.
7. Supervise the maintenance of sanitary fitting.
8. Ensure mosquito, fly and rodent control.
9. Ensure control of stray of animals.
10. Inspect storage of kitchen goods, processing, cooking, transporting, distribution of food and ensure sanitary manures.
11. Inspect cookhouses and it's surrounding and ensure general sanitation.
12. Periodic health inspection of cooks and water carriers and ensures putting on uniform/dress including cap and approve special shoes.
13. Organize and supervise scavenging staff.
14. Impart health education to patients and attendants

2.1.20 health Inspector in sanitary work agencies undertaking/contractors

1. Same as in 2.1.9.

2.2 Self Employment

2.2.1 Consultancy services for sanitary fittings and plumbing system in private housing

1. Same as in 2.1.20

2.2.2 Insecticide and rodenticidal services

1. Render services to private houses/ farms / institution on call.

2.2.3 Health and immunization clinic

1. Assist the M.O. in running health and immunization clinics.

13. Discipline:

The student's shall cooperate with the principal in maintaining strict discipline in the institution. The executive orders of the principal shall not be violated. The principal shall have authority to punish any offense by fine, suspension and even rustication in case of serious offence. Apply against the order the rustication, shall vest with the director general, and his decision shall be final, irrevocable and binding.

14. Details of syllabus/ examination

1) Theory –400 marks Paper I- 100 Marks

- i) Elementary physics, Chemistry and Mathematics (as applied to public health)
- ii) Elementary Anatomy and physiology (as applied to public health)
- iii) First aid (the course prescribed by the St. John Ambulance)
- iv) Elementary microbiology and parasitology.

- v) Elementary entomology
- vi) Elements of Social sciences, Behavioral Science
- vii) Personal Hygiene
- viii) Elementary Pharmacology
- ix) Drugs used in preventive medicine and
- x) Public health and practice
- xi) Minor elements and their treatment
- xii) Chemical agents used in public Health.

PAPER II- 100 MARKS

- i) Epidemiology definition and mode of transmission
 - a) Communicable diseases and its classification
 - b) General control measure in communicable diseases
 - c) Vaccines and immunization
 - d) Disinfection and disinfestations
 - e) Classification
- ii) Non-communicable diseases.
- iii) Important communicable diseases and their control
- iv) Health education
- v) school health
- vi) Maternal and child health
- vii) Family planning
- viii) Vital statistics
- ix) Registration of Birth and death act
- x) Disposal of death

PAPER III- 100 MARKS

- i) Nutrition
- ii) Food sanitation and food chemistry

- iii) The prevention of food adulteration act of 1954 of Government of India and rules framed there under.
- iv) Provision in municipal act pertaining to public health
- v) Public health chemistry.
- vi) Food establishment markers and slaughterhouses.
- vii) Industrial health viii) Factories, trades and hygiene and offensive trade
- ix) Public health administration, national and international health agencies
- x) Book keeping

PAPER IV- 100 MARKS

- i) Water supply and quality control
- ii) Waste and its disposal including the disposal of refuse and household and trade refuse.
- iii) Excrete disposal
- iv) Housing (sketching, designing, and building construction etc.)
- v) Air and ventilation
- vi) Engineering methods in relation to disease control vii) Environmental pollution viii) Sanitation of Fairs, festivals and camps.

II) INSPECTION OF TRADE PREMISES 50 MARKS

Immediately after the theory examination student shall visit trade premises assigned to him/her by the principal for factual in-site infection such as eating houses, bakery, stables, sweet-meat shop, Aerated factory etc. student shall complete this assignment and submit the report to the principal for assessment.

III) PRACTICALS 150 MARKS

The student shall appear for 4 periodic test (unit test) in a year before the final examination in addition, the student shall also complete project work assigned to them. The marks secured by the students in the periodic unit tests and project work shall be considered for the final examination under practical as per details below:

- a) Homework:** Students shall answer minimum 4-model question paper and the students shall be assessed on the basic of his/her answer paper. **20 Marks**
- b) Unit test:** Student shall appear for 4-unit test in a year. 3 out of unit test (best of 3 tests) where student secure shall be considered for final exam. **30 Marks**
- c) Field work:** Student shall record his/her observation of the relevant subject taught/demonstrated at the time of field visit to water complex, milk diary, Hospital, Office of the medical officer health and other ruler primary health center etc. every such visit must be got attested on the vary same day or next day by the principal or faculty member in his absence. The principal shall assess student with appropriate marks on the basic of his/her presentation contents of the field visit/ demonstration. **50 marks**
- d) Graph/sketch book:** student shall present minimum 25 drawing/sketch of the subject taught student shall be assessed by the principal for the quality drawing/sketches and the explanatory notes. **30 Marks**
- e) Project works:** After completion of the field visit student shall attend to the project work assigned to him/her by the principal. The students are required to report to the Officer in charge of the respective project. The student shall survey the assigned project in detail and analyze the merits and demerits of the project assigned. Students shall prepare project report and submit the same to the principal through the concerned Officer of the project. **20 Marks**

Practical –Journal: Student shall maintain one practical zonal where he /she shall record all different components of practical viz. Home work, Field visit, Graph/sketch and Project work

IV) ORAL VIVA VOCE: Student shall appear for the oral examination before a panel of 4 examiners. Students shall be assessed on the basis of his/her performance during the viva. **200 Marks**

15. Examination centers: No change of examination center for S.I. course (Annual or supplementary) shall be permitted. Under any circumstances. Student undergoing the S.I. course at one particular center shall have to appear for the examination at the same center.

16. Marks required for passing & grading in the final exam:

i) The student must secure 30 % of marks in each individual written paper and 40 % of marks in aggregate in all the paper and 50 % in practical and oral examination. However a candidate must secure 50 % of total marks in aggregate to pass the examination.

ii) If the student 60% of the aggregate marks, he will be declared to have passed in 2nd class and the candidate who secure 70 % mark in the aggregate, will be declared to have passed in the first class.

iii) A student who secures 60% marks, in any theory paper, and yet fails in the examination, we will grant exemption for that particular paper in subsequent examination.

17) Final examination:

Date of the annual examination shall be put up on the notice board respective center well in advanced. Normally, annual examination shall be held during 3rd week of May every year.

18) Examination for Repeaters:

i) supplementary examination for repeaters shall be held in October- November every year at Ahmedabad, Belgaum, Bhopal, New Delhi and Mumbai centers. Forms for supplementary examination shall be accepted at all centers up to 30 days from the date of declaration of the annual examination at Mumbai.

ii) The student who fails in the examination will be allowed to appear as a repeater without keeping fresh terms on payment of fresh examination fees of Rs.400/- only for the examination provided he has submitted all the necessary records of practical and class works as mentioned in the examination scheduled under the heading "Practical" during the regular course.

iii) Student declared unsuccessful in the examination and scores less than 50% marks in the practical shall have to repeat the 2nd term and also repeat the practical work such student shall pay registration fees of Rs. 100/- and fees of Rs. 3500/- for the 2nd term.

19) Examination results:

The results of the examination will be declared within 75 days from the last day of examination. The result will be declared at each center. The consolidated mark sheet and individual marks card of the students will be sent to their respective centers from where they have appeared for the examination.

20) Verification of Marks:

Reaccessing/ revaluation of answer papers should not be permitted in any circumstances. However, students who desire to get the marks retotalled shall apply within 2 months from the date of declaration of the result along with mark sheet and fees of Rs.100/- per towards retotaling charges in demand draft.

DIPLOMA IN PUBLIC HEALTH AND SANITATION

PART I

THEORY TOPICS TEACHING HOURS

1. Introduction to Public health
2. Role of sanitary Inspector

3. Elementary Physics, Chemistry, Mathematics
4. Concept of health diseases
5. Understanding your body
6. Elementary micrology/parasitology
7. Elementary in entomology
8. Elementary Pharmacology
9. Personal hygiene
10. Minor elements and their treatments
11. Chemical agents used in Public health
12. First aid and civil defence.
13. Disinfection
14. Important techniques.

TOTAL 194 DURATION 8 WEEKS

PART I

PRACTICALS

TOPICS TEACHING HOURS

1. Physics: force, gravity, motion (Newton's law), pressure, spherical mirrors (convex, concave, plane), electric current, etc. 12
2. Chemistry: acid, base, chemical- symbols, formula, elements, compounds mixtures, chemical reaction. 12
3. Mathematics: Practical problem, conversion of temperature, measurement of body temperature, room temperature, measurement of height, weight, skin thickness, calculating area, volume, square roots, mean, mode, medium. 8
4. Microbiology: Handling microscope, culture media, staining, prevention specimen, inspection, bacteria, parasitic etc. 12
5. Pharmacology: Demonstrations 5
6. Chemical agents in- Public health: Demonstrations 3
7. Minor ailment: techniques: measurement of vital signs. 8
8. First aid during lectures itself.

TOTAL 60 DURATION 3 WEEKS

PART II

THEORY

TOPICS TEACHING HOURS

1. Diseases dynamics 8
2. General Epidemiology: How infection occurs 4

3. Communicable diseases and their control (35) 70
4. Immunization: general, national, specific vaccine/cold chain 6
5. Non- communicable diseases 8
6. Health education 2
7. School health 2
8. Maternal and child health 20
9. Demography and family welfare, Census. 4
10. Vital statistics 4
11. Registration of birth and death

Notification & notifiable diseases, liscening

& Delegated powers S.I. 2

Disposal of the death 2

TOTAL 134 DURATION 6 WEEKS

PART II

PRACTICALS

TOPICS TEACHING HOURS

1. Visit to a major general hospital (especially infectious diseases) cases, isolation, quarantine, management. 7
2. Malaria- blood, Smear preparation and demonstration 4
3. Cold chain equipment, visit ward of office, M.O.H./ Birth/ death registration, pest control. 9
4. Vaccines demonstration- journals 4
5. Visit to anti rabies vaccines clinic 5
6. Conduct health education in classroom and posters preparation 12
7. Visit to Antenatal care/ postnatal care, at urban health centers 7
8. Family planning, demonstration of contraceptives 4

TOTAL 52

DURATION 3 WEEKS

PART III

THEORY

TOPICS TEACHING HOURS

1. Nutrition including deficiencies 20
2. Food sanitation, public health chemistry (theory), Food adulteration 4
3. Food establishment, markets, slaughterhouse 4

4. Primary health care 20
5. Maintenance of records in the health care systems 4
6. National health programs 12
7. Health administration in India 8
8. Provision in municipal act pre training to health 20
9. Occupational health (general) 4
10. Factories act/ E.S.I.S 4
11. International health agencies 4
12. Book keeping

TOTAL 98

DURATION 4 WEEKS

PART III

PRACTICALS

TOPICS TEACHING HOURS

1. Nutrition: Demo + Journal 4
2. Visit to public health chemistry lab 7
3. Hotel inspection 7
4. Market place inspection 5
5. Slaughter house visit 7
6. Visit to health post/ urban health center 12
7. Visit to primary health center/ sub center (2 days) 16
8. Visit to dairy/ milk colony 7
9. Visit to any factory for example 21
 - i) Eatables and consumer goods.
 - ii) Heavy industry
 - iii) Textile mill etc.
10. Visit to voluntary health organization 18
 - i) Home for aged
 - ii) Home for destitute
 - iii) Handicapped or any other
11. All India institute of physical rehabilitation (or any national government institute concerned with health) 7
12. Visit to central Labour institute (or as above) 7
13. Visit to hospital to different depts. 6
14. Visit to leprosy rehabilitation center 6
15. Visit to dead diction center 8

16. Visit to T.B. clinic. 6

17. Visit to deaf/dumb/mentally retarded institute (or any other with a social humanitarian cause)

TOTAL 150

DURATION 7 WEEKS

PART- IV

THEORY

TOPICS TEACHING HOURS

1. Water purification quality control, Water borne diseases 12
2. Waste disposal, sewage, silage, and refuse excreta disposal 12
3. Environmental health (Air, light, radiation, ventilation, noise) 16
4. Housing: Public health aspects 4
5. Engineering methods of diseases control 8
6. Sanitation of fairs. Festivals 4

TOTAL 56

DURATION 3 WEEKS

PART -V

PRACTICALS

TOPICS TEACHING HOURS

1. Water- Chlorine demand 4
2. Visit to sewage plant 7
3. Visit to chlorination plant 7
4. Visit to source of water supply to the city 8
5. Dumping ground 7
6. Cremation ground (cemetery) 7
7. Visit to hospital- waste disposal methods 7
8. Insecticidal spraying operation 7
9. Disinfections of well (primary health center)

PRACTICALS

MISCELLANEOUS: -

TOPICS HOURS DAYS

1. Environmental Health – instruments 4
2. Conducting a baseline survey in both –a) Village (P.H.C) b) City area (Health Post) 60-20
3. Visit to I.C.D.S. unit (Anganwadi) 7
4. Participation in pulse polio Immune. / Other National Health Programmes 14-2
5. Health Education in schools/ community 8-2
6. Follow up of a family (on going) or an under five child in rural & urban area (4hrs/wkx 6 months) 72-180

TOTAL 165 204

DURATIO 7WKS

*Assessment of socioeconomic and demographic profile of the population and common health problems. Calculation of Birth, Rate, Death Rate and indicates.

* The students will work for minimum 3hours per day for the survey over a period of 20 days. Thus, 60 hours are utilized. The student may be posted for 10 days each in rural and urban areas, attached to the P.H.C/S.C., or Health post respectively.

This can be done in any month, after the completion of topics (theory and practical) of paper I. Also, It is during this period that the student can adopt a family for follow-up for 6 months.

SUMMARY OF THEORY & PRACTICAL, TEACHING HOURS

	Theory	Practical	Weeks		
			T	P	Total
Part I	194	60	8	3	11
Part II	134	52	6	3	9
Part III	98	150	4	7	11
Part IV	56	62	3	3	6
Miscellaneous	-	165	-	-	9
TOTAL	482	489			46

Total theory hours: 482

Total Practical hours: 489

Total Teaching hours: 971

Total Teaching weeks: 46

Vacation (weeks): 2 Exam.

Preparation: 2 Conducting exams: 2

Total weeks: 52

Total teaching hours available in one academics year

July to May = 11 months = 46 wks

Theory teaching –

4hrs/day = 24hrs/week = 96hrs/month

96 hrs/month x 11hrs = 1056hrs x 123

Total teaching hours

(Theory & practical) utilized by the course = 971

Remaining hours (1056-971)= 85 hours (over a period 2 wks)(utilized for field placements, student counselling, interaction with teaching, organizing special seminars, revision etc.)

* Field visits (outside) = 405 hours

Practical (at the center) = 84 hours