

# **King George's Medical University UP, Lucknow**

## **Faculty of Paramedical Sciences**



### **DEPARTMENT OF COMMUNITY MEDICINE & PUBLIC HEALTH**

### **DIPLOMA IN SANITATION**

**Nodal officer- Er. Manish Manar, Associate Professor**  
**Demonstrator - Mr. Shivangam Giri**  
**Computer Operator – Mr. Rama Shanker Patel**

# Diploma in Sanitation

Sr. No.	Batch	No. of Seats	No. of Admission
01	2017-19	30	11
02	2019-20	30	07
03	2020-21	38	10

# No. of Students who passed

Sr No.	Name of Students
1.	Pooja Pal
2.	Pratyush Tripathi
3.	Baby Kumari
4.	Manyata Rai
5.	Avnish Kumar
6.	Nitya Rai
7.	Gargi Pandey
8.	Rizwan Ahmad
9.	Aftab Alam
10.	Aditya Kumar Pandey
11.	Suraj Rajwanshi

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# No. of Students Batch 2019-20

1. Sandeep Shukla
2. Abhinay Raj Sundaram
3. Kiran Kushwaha
4. Arunesh Kumar
5. Anchal Madhesiya
6. Neha Gautam
7. Pinki Paswan

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# **No. of Students Batch 2020-2021**

- 1. Asha Bhargav**
- 2. Kiran Saroj**
- 3. Omika Yadav**
- 4. Chandani Verma**
- 5. Shashank Shukla**
- 6. Abhishek Gautam**
- 7. Km. Priyanka**
- 8. Adarsh Pandey**
- 9. Jyoti Raj**
- 10. Ranu Chauhan**

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# Posting in Various Department

1. Department of PWD
2. Fire Safety
3. University of Environment Department
4. CHC Sarojani Nagar
5. PARAG Dairy Visit
6. Water Box Visit
7. Postmortem House Visit
8. Restaurant and Canteen
9. Museum Section Visit

# Classroom of Department





# Water Supply in KGMU, Lucknow





## Postmortem House KGMU, Lucknow



## Museum in Department Community Medicine & PH



# States First Solar Heat Based Cooking System





# Fire Safety Training





# Pulse Polio Program



KGMU, P

# Modified Lecture Schedule

Sr. No.	Topics	
1	Introduction General Sanitation	21 Preparation of cadmium iodide and starch solution.
2	Causes of environmental Diseases & effect of climate on health.	22 Individual water sterilizing out fit.
3	Effects of Heat & Prevention.	23 Sampling of water for chemical and bacteriological examination.
4	Effects of cold , High Altitude & Prevention.	24 Elementary physiology of the digestive system.
5	Meteorological instruments and their uses.	25 Food constituents, function and requirements.
6	Sources and protection of water supply.	26 Balanced diet.
7	Requirement and distribution .	27 Museum- Food section.
8	Purification of water.	28 Vitamins and deficiency diseases.
9	Sedimentation of water (Lecture/Demonstration).	29 Malnutrition and its prevention.
10	Impurities of Water	30 Food adulteration and food adulteration act.
11	Filtration of water.	31 Inspection of food stuff, dry, fresh and tinned.
12	Horrock's test.	32 Storage, transportation and cooking of food.
13	Sterilization of water by chlorine.	33 Food poisoning- Investigation and control.
14	Water purification in the field (Two tank method).	34 Hygiene inspection of Bakery .
15	Sterilization of water in containers.	35 Hygiene inspection of Butchery .
16	Museum- Water section.	36 Milk supplies and pasteurization of milk.
17	Water Tank/ Trucks and filters.	37 Hygiene inspection of dairy farm.
18	Establishment of water point.	38 Visit to Dairy Farm,
19	Demo area- water point.	39 Taking of milk sample and analysis of milk.
20	Estimation of Chlorine in bleaching powder.	40 Museum – Milk and food section.

41 Disposal of waste products, General principles and methods employed.

42 Disposal of human faeces .

43 Water carriage system, house drainage, various sanitary appliances used.

44 Testing of house drains.

45 Disposal of sewage (Sewage works).

46 Visit to sewage disposal plant.

47 Septic tanks, designs, construction and disposal of effluent.

48 Aqua privy.

Removal system, pan type, collection and

49 disposal by trenching composting and incineration.

50 Visit trenching ground.

51 Nitrogen cycle.

52 Disposal of human faeces in semi permanent camp.

53 Deep trench latrine- construction, maintenance.

54 Bore hole and built up deep trench latrine.

55 Disposal of human urine in semi permanent camp, funnel urinal, urinal through urinal.

56 Disposal of human excreta in camp.

57 Shallow trench latrine, incinerator latrine.

58 Demo area- excreta disposal section.

59 Rural latrine

60 Improvised sanitary appliances used in the field (Demo area).

61 Disposal of animal excreta, tight pack.

62 Disposal of solid refuse-collection, removal and disposal.

63 Various incineration used in the field construction maintenance.

64 Beehive incinerator.

65 Demo area- Incinerator section.

66 Disposal of liquid waste.

67 Cold water grease trap and working principle construction and maintenance.

68 Soakage pit- construction and maintenance.

69 Demo area liquid waste collection.

70 Improvised grease trap.

71 Museum- disposal of refuse section.

72 Disposal of dead bodies and carcasses.

73 Air composition , pollution of air and their effects on health , temperature.

74 The principles of ventilation , type of ventilation and simple methods of warming ,lighting and ventilation.

75 House fly life history ,habits and its relation to the spread of diseases.

76 Antifly measures – fly survey.

77 Museum study –fly section.

78 Ticks – Biomics , morphology ,diseases transmitted and control.

79 Rat flea– Biomics , morphology ,diseases transmitted and control..

80 Louse – Biomics , morphology ,diseases transmitted and control.



- 81 Sand fly – Biomixis , morphology ,diseases transmitted and control.
- 82 Dimdam fly – Biomixis , morphology ,diseases transmitted and control.
- 83 Trombicula mite ticks – Biomixis , morphology ,diseases transmitted and control.
- 84 Bed bugs – Biomixis , morphology ,diseases transmitted and control.
- 85 Leeches- life history and control.
- 86 Museum – Insect section.
- 87 Field work – Sand fly survey.
- 88 Delousing – (Lecture/Demonstration).
- 89 De-bugging.
- 90 Importance of Malaria.
- 91 Life cycle of Anopheline and Culicine mosquitoes.
- 92 Differentiation of Anopheline and Culicine mosquitoes in all stages.
- 93 Habits of mosquitoes .
- 94 Museum mosquito section .
- 95 Malaria parasites –life cycle , species and characteristics (Lecture/Demonstration) .
- 97 Museum malaria parasites section.
- 98 Dissection of adult mosquitoes.
- 99 Field work- Adult mosquitoes collection.
- 100 Preservation of collected specimens.
- 101 Vectors of major importance in India.
- 102 Malaria survey and spot map making .
- 103 Field work - Malaria survey and spot map making .
- 104 Malaria control in general.
- 105 Suppressive treatment and anti malaria drugs.
- 106 Personal protective measures, camp siting and malaria curfew.
- 107 Anti malarial discipline and orders regarding stores and equipment
- 108 Anti adult measures.
- 109 DDT , BHC as insecticides and their formulation .
- 110 Preparation of DDT solution /suspension.
- 111 Spraying equipments , their working and maintenance.
- 112 Preparation of DDT solution (practical).
- 113 Techniques of DDT spraying.
- 114 DDT spraying.
- 115 Pyrethrum formulation and use.
- 116 Anti larval measures.
- 117 Chemical larvicide.
- 118 Oiling and DDT spraying for anti larval measures .
- 119 Anti malaria drainage and dry day.
- 120 Anti Malaria drainage and dry day.

121	Field work – mosquito larval collection.	151	Cholera –prevention and control.	191	Tetanus –prevention and control.
122	Museum- Insecticides section.	152	Dysentery and diarrhea–prevention and control.	192	Anthrax –prevention and control.
123	NMEP	153	Infectious hepatitis–prevention and control.	193	Undulant fever –prevention and control.
124	Object of disinfection and disinfestations .	154	Poliomyelitis –prevention and control.	194	Leishmaniasis –prevention and control.
125	Physical methods of disinfection.	155	Intestinal worm diseases( Helmenthiasis ) – prevention and control.	195	Rat bite fever –prevention and control.
126	TOT disinfectant –Demo area.	156	Air borne diseases and general control measures.	196	Rodent control.
127	Field portable disinfectant MIL III .	157	Tuberculosis –prevention and control.	197	Laboratory work.
128	Practical work of TOT disinfectant by trainees.	158	B. C. G.	198	Museum/ film- Scrub typhus.
129	Various methods of improvised disinfectants.	159	Small pox –prevention and control.	199	Elementary immunology.
130	Chemical and gaseous disinfectants.	160	Chicken pox –prevention and control.	200	Inoculation and vaccination.
131	Methods of disinfecting virus infected articles.	161	Measles –prevention and control.	201	Techniques of vaccination.
132	Methods of carrying local and complete disinfection.	162	Mumps –prevention and control.	202	Importance of health education in relation to environmental sanitation.
133	Practice in conducting local and complete disinfection.	163	Influenza –prevention and control.	203	Tools and techniques in health education.
134	General principles of carrying out hygiene inspection and method of writing hygiene report on sanitary inspection .	164	Whooping cough –prevention and control.	204	Preparing charts, demonstration of audiovisual aids, posters and film etc.
135	Hygiene inspections of living accommodation ,recreation and information room, cook houses , dining hall ,messes , ration stores ,canteen.	165	Diphtheria –prevention and control.	205	Organization meetings and how to deliver on health.
136	Hygiene inspection of latrines , urinals ,bathrooms & barber shops.	166	Cancer –prevention and control.		Importance and use of vital statistics
137	Hygiene inspection of married quarters and unit institutions.	167	Cardiovascular diseases.	206	collection, complication and presentation.
138	Hygiene inspection of mineral water and ice factory.	168	Diabetes	207	Calculation of rates.
139	Hygiene inspection of restaurant.	169	Blindness	208	Other statistic related to health.
140	Hygiene inspection of school.	170	Accidents	209	Population statistics.
141	Sanitary inspection and submission of report (practical).	171	STD –prevention and control.	210	Charts and diagrams.
142	Hygiene of movement.	172	Scabies –prevention and control.	211	Micro-Organisms, their structure.
143	Hygiene of the movement by Rail ,Ship & Air.	173	Other skin diseases.		Disease producing organisms,
144	Personal hygiene /museum / film-personal hygiene.	174	Leprosy.	212	Pathogenicity, Virulence and growth in culture media.
145	The important poisonous snakes of India and how to distinguish a poisonous from non-poisonous snakes.	175	Warning signals of poor mental health and causes of mental health.	213	Family planning and necessity.
146	First aid of snake bite.	176	Mental health services , alcoholism and drug dependency.	214	General out lines of the methods:-
147	Epidemiology	177	Occupational health and diseases.	215	Non surgical methods-use of contraception and safe period etc
148	Classification of diseases – chain of infection .	178	Measures for the general health protection of workers , prevention of occupational diseases	216	Surgical methods and MTP.
149	Definitions –patients ,missed cases ,carriers ,contacts , incubation period, isolation, quarantine ad surveillance, epidemics ,endemics, pandemics.	179	Filariasis –prevention and control.	217	Rural or village sanitation.
150	Excremental diseases and general control measures.	180	Dengue –prevention and control.	218	Fair and Festivals.
		181	Yellow fever –prevention and control.		
		182	Other viral diseases –prevention and control.		
		183	Relapsing fever –prevention and control.		
		184	Sand fly fever –prevention and control.		
		185	Plague –prevention and control.		
		186	Scrub typhus –prevention and control.		
		187	Louse borne diseases.		
		188	Murine typhus.		
		189	DBP application drill(demo/pract).		
		190	Rabies –prevention and control.		

# Teaching Facility

**Classroom Available**

**Seminar room**

**Projector Available**

**Demonstration instruments**

**Demonstrative Models**

**Drinking water Available**

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# Teaching Training Module

**Teaching offline/online**

**Practical/Demonstration Classes**

**Clinical Orientation**

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# Extra Activity



# Links

- <https://goo.gl/maps/ubHJdr9gkDYg4Z3UA> (Teaching Block Kalam Centre)
- <https://goo.gl/maps/FxhAtrat76bGxw1FA> (Administrative Block)
- <https://goo.gl/maps/U3Px1XR5YHCKjHqy5> (Cafeteria)
- <https://goo.gl/maps/QZ9s9xnvSiVMJXyi7> (Brown Hall KGMU)
- <https://goo.gl/maps/9v44B1DRmSzpbDww8> (Atal Bihari Vajpayee Convention Centre)
- <https://goo.gl/maps/i7mB1CFGDoChcv41A> (Department of Pathology)
- <https://goo.gl/maps/xCoMkR5eN8qAPrat7> (Department of Microbiology)
- <https://goo.gl/maps/GvFrVfMryLVxsL7k7> (Gandhi ward KGMU)
- <https://goo.gl/maps/85kwouaPsGd2HEim6> (Department of General Surgery)
- <https://goo.gl/maps/TvExugsrAZ7GFRSPA> (Lari Cardiology)
- <https://goo.gl/maps/ziERanEDFtr8Kg1W8> (Radio diagnosis)
- <https://goo.gl/maps/KdU3Gh9DaLZzhfzc7> (Ophthalmology)



# Links-

<https://goo.gl/maps/FwyfWSYgmPQk8EiS9> -(Shatabdi Phase2)

<https://goo.gl/maps/YRtaDMRfbPPVSpdr9> -(Trauma Centre)

<https://goo.gl/maps/cKyynmZSJFccZWZ49> -(Shatabdi DBTT)

<https://goo.gl/maps/B3ejYAaUyyHrBbDX6> -(Sp Ground)

<https://goo.gl/maps/VWmLjbKuugaexKAP8> (Department of Community  
Medicine )

<https://goo.gl/maps/S7yCAfHKdUx57bV19> ( Department of Physical  
Medicine And Rehabilitation )

<https://goo.gl/maps/C3BmB2gU1oYLjAQR7> ( Department of Anatomy )