[LK 549] FEBRUARY 2017 **Sub.Code :5073**

THIRD YEAR M.B.B.S. DEGREE EXAMINATION
PART I
PAPER III – COMMUNITY MEDICINE INCLUDING HUMANITIES – I

Q.P. Code: 525073

Time: Three hours **Maximum : 60 Marks**

Answer All Questions

I. Elaborate on: **(2 x 10 = 20)**

1. What are the objectives of Revised National Tuberculosis Control Programme? How are diagnosis, categorization and treatment of tuberculosis done according to RNTCP?

2. List the water related diseases. How is water purified on a large scale?

II. Write notes on: **(6 x 5 = 30)**

1. Lead poisoning and its prevention.
2. Sources of health information.
3. Prevention of neonatal tetanus.
4. Write the national immunization schedule.
5. Guidelines for assessing dehydration and for oral rehydration therapy.
6. Apply the levels of prevention and modes of intervention to diabetes mellitus.

III. Short answers on: **(5 x 2 = 10)**

1. Explain iceberg phenomenon with an example.
2. What is “Lead time” in screening for diseases?
3. What is case fatality rate? Give an example.
4. What are the biological effects of radiation?
5. What are the modifiable risk factors for hypertension?

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[LL 549] AUGUST 2017 **Sub.Code :5073**

M.B.B.S. DEGREE EXAMINATION
THIRD YEAR
PART I
PAPER III – COMMUNITY MEDICINE INCLUDING HUMANITIES – I

Q.P. Code: 525073

Time: Three hours **Maximum : 60 Marks**

Answer All Questions

I. Elaborate on: **(2 x 10 = 20)**

1. Discuss vertical transmission of HIV infection. What are the various modalities for prevention of vertical transmission of HIV under national aids control programme?

2. Enumerate the arthropods of medical importance. Discuss briefly the mosquito control measures in urban area.

II. Write notes on: **(6 x 5 = 30)**

1. Health hazards of health care wastes.
2. Occupational cancers.
3. Epidemic curve.
4. Histogram.
5. Assessment of obesity.
6. Swimming pool sanitation.

III. Short answers on: **(5 x 2 = 10)**

1. Define quarantine.
2. Differences between relative risk and attributable risk.
3. Tracking of blood pressure.
4. Explain cold chain.
5. Define overcrowding.

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[LM 549] FEBRUARY 2018 **Sub Code: 5073**

M.B.B.S. DEGREE EXAMINATION
THIRD YEAR
PART I
PAPER III – COMMUNITY MEDICINE INCLUDING HUMANITIES – I

Q.P. Code: 525073

Time: Three hours **Maximum : 60 Marks**

Answer All Questions

I. Elaborate on: **(2 x 10 = 20)**

1. Define epidemiology and write the methods in epidemiology. Differentiate between associated factor and causative factor with suitable examples. Write about the relative risk and attributable risk and its applications in public health.

2. Describe in detail the classification of exposure, post-exposure prophylaxis and wound management of dog bite cases. Add a note on advantages of intra dermal administration of cell culture vaccines.

II. Write notes on: **(6 x 5 = 30)**

1. Differentiate between screening test and a diagnostic test.
2. Environmental risk factors for cancers.
3. Provision of health related benefits under employees state insurance Acts.
4. Tertiary preventive measures for leprosy patients.
5. Cold chain maintenance and the equipments used for it.
6. Tests of significance.

III. Short answers on: **(5 x 2 = 10)**

1. What is Ergonomics?
2. Primary case and index case.
3. Spot map.
4. Green house effect.
5. Air pollutants.

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[LN 549] AUGUST 2018 **Sub Code: 5073**

M.B.B.S. DEGREE EXAMINATION
THIRD YEAR
PART I
PAPER III – COMMUNITY MEDICINE INCLUDING HUMANITIES – I

Q.P. Code: 525073

Time: Three hours **Maximum : 60 Marks**

Answer All Questions

I. Elaborate on: **(2 x 10 = 20)**

1. Write in detail the epidemiology of poliomyelitis. Discuss on the measures taken to eradicate poliomyelitis globally.

2. Enlist the occupational pneumoconiosis. Describe the pathogenesis, clinical features and prevention of silicosis.

II. Write notes on: **(6 x 5 = 30)**

1. Define spot map. Discuss its use in epidemiology.
2. Name the vector of dengue. Describe its habits and control measures.
3. Describe the design and working of a septic tank.
4. Discuss the effects and control of noise pollution.
5. Physical quality of life index.
6. Describe the design of rapid sand filters.

III. Short answers on: **(5 x 2 = 10)**

1. Illustrate the advance model of triangle of epidemiology.
2. Enlist the factors which contribute to herd immunity.
3. Stratified random sampling.
4. Define regression and types of regression.
5. Discuss the laboratory diagnosis of lead poisoning.

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[LO 549] FEBRUARY 2019 **Sub.Code :5073**

M.B.B.S. DEGREE EXAMINATION
THIRD YEAR
PART I
PAPER III – COMMUNITY MEDICINE INCLUDING HUMANITIES – I

Q.P. Code: 525073

Time: Three hours **Maximum : 60 Marks**

Answer All Questions

I. Elaborate on: **(7 + 3 = 10)**

1. Discuss the epidemiology and prevention of coronary heart disease. Discuss the contributions of national program for its prevention.

(4 + 6 = 10)

2. Classify acute events following immunization (AEFI). Describe the steps in the investigation of an AEFI.

II. Write notes on: **(6 x 5 = 30)**

1. Discuss the steps in the investigation of an epidemic.
2. Describe the steps in the chlorination of a well.
3. Describe the control and prevention of yellow fever.
4. Discuss the vector control methods of malaria. Add a note on its limitations.
5. Enlist the minimum standards of housing in an urban area.
6. Enlist the probability sampling methods. Elaborate on any two methods.

III. Short answers on: **(5 x 2 = 10)**

1. Define relative risk.
2. Illustrate with examples the best graph to depict the relationship between two variables.
3. Describe the waste management from a microbiology laboratory.
4. Enlist the two software's used in epidemiology.
5. Indicate the appropriate levels of prevention in the following examples:
   a) Pap smear for cervical cancer.
   b) Provision of calipers for residual polio.
   c) Hepatitis – B vaccination.
   d) Starting sports clubs for children.

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[LP 549] AUGUST 2019 **Sub.Code :5073**

M.B.B.S. DEGREE EXAMINATION
THIRD YEAR
PART I
PAPER III – COMMUNITY MEDICINE INCLUDING HUMANITIES – I

Q.P. Code: 525073

Time: Three hours **Maximum : 60 Marks**

Answer All Questions

I. Elaborate on: **(8 + 2 = 10)**

1. Describe the diagnosis and management of a one year old child with acute respiratory infection as per the IMNCI guidelines. Enlist the vaccines that can be used in its prevention.

(3 + 5 + 2 = 10)

2. Describe in detail the epidemiology, clinical features and diagnosis of dengue.

II. Write notes on: **(6 x 5 = 30)**

1. Define migration studies. Discuss its use in epidemiology.
2. Describe the attributes of a sanitary well.
3. Enlist the principal methods of refuse disposal. Describe the method used in metropolitan cities and highlight the environmental hazards associated with it.
4. Discuss the sources and hazards of indoor air pollution.
5. Discuss the sources of bias in case-control studies and methods of over-coming it.
6. Explain the rule of halves in epidemiology of hypertension and suggest methods to overcome it.

III. Short answers on: **(5 x 2 = 10)**

1. Define survival rate.
2. Define specificity. Give examples of conditions where a test with high specificity is chosen.
3. Isolation and quarantine.
4. Describe the method of application and mode of action of pyrethrum.
5. Define attributable risk.

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[LQ 549] FEBRUARY 2020 **Sub Code: 5073**

M.B.B.S. DEGREE EXAMINATION
THIRD YEAR
PART I
PAPER III – COMMUNITY MEDICINE INCLUDING HUMANITIES – I

Q.P. Code: 525073

Time: Three hours **Maximum : 60 Marks**

Answer All Questions

I. Elaborate on: **(2 + 8 = 10)**

1. Define epidemic. Discuss the steps in investigation of an epidemic. **(5 + 5 = 10)**
2. Discuss the causes of air pollution in detail. Add a note on prevention of air pollution.

II. Write notes on: **(6 x 5 = 30)**

1. Describe cancer screening in detail.
2. Describe the various strategies used in national vector borne diseases control programme.
3. Enumerate the indicators of housing.
4. What are the health problems due to industrialization?
5. Describe the steps of Chi square test with example.
6. What are the modes of intervention in various levels of prevention?

III. Short answers on: **(5 x 2 = 10)**

1. Name any two sensitive indicators of health.
2. Enlist the factors which contribute to herd immunity.
3. Define concurrent disinfection.
4. Write the uses of abate.
5. Describe the method of treatment and disposal of expired medicines.

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[LR 549] NOVEMBER 2020 **Sub.Code :5073**

(AUGUST 2020 SESSION)

M.B.B.S. DEGREE EXAMINATION

THIRD YEAR

PART I

PAPER III – COMMUNITY MEDICINE INCLUDING HUMANITIES – I

Q.P. Code: 525073

Time: Three hours **Maximum : 60 Marks**

Answer All Questions

I. Elaborate on: **(2 x 10 = 20)**

1. Define Pandemic. Discuss the phases of an Epidemic when an entire population that is susceptible to the infection is exposed to a case.

2. Discuss the occupations that have a higher risk of exposure to COVID disease. Explain the essential measures of prevention undertaken to protect them.

II. Write notes on: **(6 x 5 = 30)**

1. Discuss the advantages and limitations of using a test with HIGH SENSITIVITY as screening test with an example.
2. Discuss resurgence of diphtheria disease and its control.
3. Discuss in detail the consequences of untreated Hypertension and its control as per the National Program of NPCDCS.
4. Discuss the small scale measures that can be practiced for making water potable.
5. Maternity leave under the ESI act – Discuss eligibility, rationale and benefits.
6. Amoebiasis – Discuss risk factors, consequences of infection and its control.

III. Short answers on: **(5 x 2 = 10)**

1. Criteria for surveillance as per the International Health Regulations 2005.
2. Describe stratified sampling and its purpose.
3. Time within which births and deaths have to be registered as per the Birth and Death Registration Act.
4. Compare and contrast meaning of ‘p’ value and confidence interval in biostatistics.
5. Newer drugs introduced in ART under NACO.

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[MBBS 0921] SEPTEMBER 2021 **Sub.Code :5073**

(FEBRUARY 2021 SESSION)

M.B.B.S. DEGREE EXAMINATION

THIRD YEAR

PART I

PAPER III – COMMUNITY MEDICINE INCLUDING HUMANITIES – I

Q.P. Code: 525073

Time: Three hours **Maximum : 60 Marks**

Answer All Questions

I. Elaborate on: **(2 x 10 = 20)**

1. Describe the epidemiology and prevention of pulmonary tuberculosis. Add a note on National Tuberculosis Elimination Program (NTEP): Objectives, strategies and newer initiatives.

2. Enumerate the types of analytical epidemiological study. Describe the steps involved in conducting a cohort study with an example. Mention the advantages and disadvantages of this study design.

II. Write notes on: **(6 x 5 = 30)**

1. Discuss the sources. Hazards and prevention of indoor air pollution.
2. Enumerate arthropods of medical importance and discuss integrated vector control.
3. Prevention of avoidable blindness and discuss vision 2020.
4. Epidemiology and prevention of occupational cancers.
5. Disaster preparedness.
6. Correlation and regression.

III. Short answers on: **(5 x 2 = 10)**

1. Human Development Index (HDI).
2. COVID 19 vaccines.
3. Sentinel surveillance.
4. Lead time.
5. Contact tracing.

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THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[MBBS 0222] FEBRUARY 2022 **Sub.Code :5073**

M.B.B.S. DEGREE EXAMINATION

(For the candidates admitted from the Academic Year 2018-2019)

THIRD YEAR

PART I

PAPER III – COMMUNITY MEDICINE INCLUDING HUMANITIES – I

Q.P. Code: 525073

Time: Three hours **Maximum : 60 Marks**

Answer All Questions

I. Elaborate on: **(2 x 10 = 20)**

1. Define refuse. Enumerate the health hazards due to solid wastes. Discuss the various sources, collection and methods of disposal of solid wastes.

2. Classify occupational diseases. Epidemiology and prevention of pneumoconiosis.

II. Write notes on: **(6 x 5 = 30)**

1. Emporiatrics.
2. Epidemiology and prevention of COVID 19.
3. Tests of significance.
4. Swimming pool sanitation.
5. Steps in conducting RCT (Randomized Controlled Trials) with an example.
6. Cold chain equipment.

III. Short answers on: **(5 x 2 = 10)**

1. Polio end game strategy.
2. Water harvesting.
3. Active case finding in tuberculosis.
4. Soakage pit.
5. Sustainable development goal.

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THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[MBBS 0422] **APRIL 2022** **Sub. Code :5073**

M.B.B.S. DEGREE EXAMINATION

(For the candidates admitted upto the Academic Year 2018-2019)

THIRD YEAR

PART I

PAPER III – COMMUNITY MEDICINE INCLUDING HUMANITIES – I

Q.P. Code: 525073

Time: Three hours **Maximum : 60 Marks**

Answer All Questions

I. Elaborate on: **(2 x 10 = 20)**

1. Discuss commonly used mortality rates and ratios. Add a note on uses and limitations of mortality data.

2. Epidemiology and prevention of obesity. Add a note on assessment and hazards of obesity.

II. Write notes on: **(6 x 5 = 30)**

1. Discuss multifactorial etiology and web of causation.
2. Migration studies.
3. Isolation versus quarantine.
4. Evaluation of a screening test.
5. Surveillance of drinking water quality.
6. Discuss medical measures in prevention of occupational diseases.

III. Short answers on: **(5 x 2 = 10)**

1. Bradford hill’s criteria for causation.
2. Open vial policy.
3. Pre current disinfection.
4. Personal protective equipment.
5. Use of histogram in biostatistics.

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THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[MBBS 0822] **AUGUST 2022** **Sub. Code :5073**

M.B.B.S. DEGREE EXAMINATION

(For the candidates admitted upto the Academic Year 2018-2019)

THIRD YEAR

PART I

PAPER III – COMMUNITY MEDICINE INCLUDING HUMANITIES – I

Q.P. Code: 525073

Time: Three hours **Maximum : 60 Marks**

Answer All Questions

I. Elaborate on: **(2 x 10 = 20)**

1. What are the types of analytical epidemiological study? Describe the steps of case-control study.

2. Describe the epidemiology of Hypertension. Write in detail about the control and preventive measures of Hypertension.

II. Write notes on: **(6 x 5 = 30)**

1. Preventive measures of COVID – 19 diseases.
2. Census.
3. Principles of Chlorination.
4. Sensitivity and Specificity.
5. Preventive measures of Lead Poisoning.
6. Measures of Dispersion.

III. Short answers on: **(5 x 2 = 10)**

1. Write any two morbidity indicators.
2. Define Superchlorination.
3. Define Relative risk.
4. Write two differences between Screening Test and Diagnostic Test.
5. Write any two indications for Isoniazid Preventive therapy.

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