



RAN - 2106000103030001

RAN-2106000103030001

3rd year M.B.B.S. Part - I Examination January - 2023

Community Medicine - Paper I

(New Course)

[Total Marks: 100

सूचना : / Instructions

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नीचे दशावेक निधानीवाणी विगतो उत्तरवली पर अवश्य लभवी.
Fill up strictly the details of signs on your answer book

Name of the Examination:

3rd year M.B.B.S. Part - I

Name of the Subject :

Community Medicine - Paper I (New Course)

Subject Code No.: 2106000103030001

Seat No.:

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Student's Signature

SECTION -I (20 marks)

1. Multiple choice questions

20

- Living standard of people is best assessed by
 - Infant Mortality rate
 - Maternal mortality
 - Physical quality of life index
 - Death rate
- Natural history of disease is best suited by
 - Cross sectional study
 - Randomized controlled trial
 - Case control study
 - Cohort study
- Attack rate is
 - Incidence of the disease
 - Prevalence of the disease
 - Killing power of the disease
 - Incubation period of the disease
- What is the odds ratio for the following?
 - ab/cd
 - ad/bc
 - ac/bd
 - bc/ad
- Man is the dead end for
 - Tetanus, Measles
 - Measles, yellow fever
 - Tetanus, yellow fever
 - Rabies, tetanus

6. In which of the following, herd immunity cannot protect the individual?
- Tetanus
 - Diphtheria
 - Poliomyelitis
 - All of the above
7. The usefulness of a screening test in a community depends on its
- Sensitivity
 - Specificity
 - Reliability
 - Predictive value
8. ASHA gets remuneration on all except
- Institutional delivery
 - Zero dose of OPV and BCG
 - Recording birth weight
 - Birth registration
9. The best indicator for monitoring the impact of Iodine Deficiency Disorders control program is
- Prevalence of goitre among school children
 - Neonatal hypothyroidism
 - Urinary iodine levels
 - Iodine level in soil
10. Population growth is rated to be explosive if the annual growth rate exceeds
- 2.0%
 - 1.5%
 - 1.0%
 - 0.5%
11. Best indicator of fertility
- CBR
 - TFR
 - NRR
 - GRR
12. Most undesirable metal in drinking water is
- Iron
 - Copper
 - Zinc
 - Lead
13. Whispering produces a sound of
- 20-30 dB
 - 30-40 dB
 - 40-50 dB
 - 50-60 dB
14. Cyclodevelopmental stage is seen in
- Malaria
 - Filaria
 - Plague
 - Cholera
15. Yellow plastic bags containing biomedical wastes are treated by
- Autoclaving
 - Incineration
 - Microwaving
 - Shredding
16. Which of the following is the nodal centre for disaster management?
- PHC
 - CHC
 - Police control room
 - District
17. PERT is associated with
- Qualitative analysis
 - Quantitative analysis
 - Behavioural analysis
 - None

18. A sub-centre is manned by
a) Medical officer
b) Multipurpose worker
c) Health assistant
d) Aanganwadi worker
19. Principal unit of administration in India is
a) Centre
b) State
c) District
d) Village
20. PHC was introduced as result of report
a) Bhole committee
b) Kartar Singh committee
c) Mudaliar committee
d) Shrivastav committee

SECTION - II (40 marks)

2. **Long answer question (any 1 out of 2)** **10**
a. Define randomization. Describe in detail steps of Randomized Controlled Trial.
b. Define descriptive epidemiology. Describe procedures in descriptive epidemiology.
3. **Write/Comment any Two short answers (any 2 out of 3) (each carries 5 marks)** **10**
a. Bias
b. Blocked flea
c. Biomedical waste management
4. **Write short answers in one or two sentences (10) (each carries 2 mark)** **20**
a. Define sewage
b. Define false negative
c. Monitoring
d. Define mean
e. Endemic
f. Zoonotic
g. Walk in cooler
h. Incubation period
i. Growth rate
j. Pearl Index

SECTION - III (40 marks)

5. **Long answer question (any 1 out of 2)** 10
- Describe National Tuberculosis Elimination Program in detail
 - Define planning cycle. Describe its steps in detail.
6. **Write/Comment any Two short answers (any 2 out of 3) (each carries 5 marks)** 10
- Census
 - Chi square test
 - Triage
7. **Write short notes on following (5 short notes of 4 marks each) (any 5 out of 6)** 20
- Effects of air pollution. Prevention & control of air pollution.
 - Indications & contra indications for intrauterine contraceptive device insertion
 - Septic Tank
 - Difference between case control study and cohort study
 - Chlorination of water
 - Demographic cycle



RAN-3703

3rd M.B.B.S. Part - I Examination

January - 2023

Community Medicine (Paper - I)

(Old Course)

सूचना : / Instructions

नीचे दृष्टविले निशानीवाणी विगतो उत्तरवली पर अवश्य लभवी.
Fill up strictly the details of signs on your answer book

Name of the Examination:

3rd M.B.B.S. Part - I

Name of the Subject :

Community Medicine (Paper - I) (Old Course)

Subject Code No.: 3 7 0 3

Seat No.:

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Student's Signature

SECTION - I

1. Answer in one or two sentences.

10

- Differentiate disease and sickness.
- Differentiate disease eradication and disease elimination.
- Mention two uses of prevalence.
- Mention two uses of screening.
- What is quarantine?
- Mention two methods for presentation of qualitative data.
- Define unmet need of family planning.
- What is triage during disaster management?
- Presence of which bacteria is a evidence of recent fecal pollution of water?
- Which is the level of care for community health center?

2. **Long question** - Describe steps of outbreak investigation. **10**
3. **Short answers (2X5)** **10**
- a) Community Diagnosis
 - b) Define "Urban area"
 - c) Mention four indications of MTP.
 - d) Safe and wholesome water
 - e) Methods for personal protection of mosquitoes

SECTION-II

4. **Short notes (5 X 3)** **15**
- a) Enlist elements of primary health care
 - b) Describe briefly programme evaluation and review technique.
 - c) Principles of chlorination
 - d) Uses of epidemiology
 - e) Health hazards of biomedical waste
5. **Short notes (5 X 3)** **15**
- a) Explain Health promotion as a mode of intervention.
 - b) Health hazard of poor housing
 - c) Open vial policy
 - d) Pearl index
 - e) Classify carriers with one example.



RAN-2106000103030002

3rd year M.B.B.S. Part - I Examination January - 2023

Community Medicine - Paper II (New Course)

[Total Marks: 100

सूचना : / Instructions

- (1) नीचे दृष्टविले निम्नलिखित विगतो उत्तरवली पर अवश्य लभवी.
Fill up strictly the details of signs on your answer book
- Name of the Examination:
3rd year M.B.B.S. Part - I
- Name of the Subject :
Community Medicine - Paper II (New Course)
- Subject Code No.: 2106000103030002

Seat No.:

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Student's Signature

SECTION -1 (20 marks)

1. Multiple choice questions

20

- Emporiatrics deals with the health of
 - Farmers
 - Travellers
 - Industrial workers
 - Mine workers
- Lead poisoning in industries commonly occurs by
 - Inhalation
 - Ingestion
 - Skin absorption
 - Conjunctival route
- Sickness absenteeism is a useful index to assess
 - Working environment
 - Sincerity of the workers
 - Worker management relationship
 - State of health of the workers
- Hardy Weinberg law is related to
 - Gene therapy
 - Human genome project
 - Population genetics
 - Eugenics
- Which one of the following is not a socio-pathological factor associated with mental illness?
 - Emotional stress
 - Frustration
 - Endocrine diseases
 - Anxiety
- MCH care is assessed by
 - Death rate
 - Birth rate
 - Maternal mortality rate
 - Anemia in pregnancy

7. Sensitivity parameter of combined pediatric and obstetric care in our country is
 - a) IMR
 - b) PNMR
 - c) NNMR
 - d) NMR
8. Best indicator for growth measurement is
 - a) Height
 - b) Weight
 - c) Arm circumference
 - d) None
9. Desk for student is
 - a) Zero desk
 - b) Plus desk
 - c) Minus desk
 - d) All the desks
10. ICDS does not cover
 - a) Nutritional supplementation
 - b) Formal education
 - c) Health education
 - d) Immunization
11. Extra calories per day in lactating mothers in first six months
 - a) 300
 - b) 500
 - c) 600
 - d) 1000
12. The highest content of saturated fatty acid is in
 - a) Palm oil
 - b) Butter
 - c) Coconut oil
 - d) Margarine
13. Which of the following pulses has the highest content of iron?
 - a) Bengal gram
 - b) Black gram
 - c) Red gram
 - d) Soya bean
14. Egg has all vitamin except
 - a) B1
 - b) B6
 - c) C
 - d) E
15. Nalgonda technique is used for
 - a) Defluoridation of water
 - b) Chlorination of water
 - c) Iodization of salt
 - d) Detoxification of contaminated mustard oil
16. WHO declared global eradication of Small pox on
 - a) 26th October 1977
 - b) 5th July 1975
 - c) 17th May 1975
 - d) 8th May 1980
17. Most important feature to diagnose severe pneumonia
 - a) Cyanosis
 - b) Chest indrawing
 - c) Nasal flaring
 - d) Fast breathing
18. Marker for infectivity of serum in Hepatitis B is
 - a) HBsAg
 - b) AntiHBC
 - c) HBeAg
 - d) AntiHBe

19. True about citrate in ORS
a) Increases shelf life
b) Nutritious
c) Cheaper
d) Tastier
20. Which virus is used to produce rabies vaccine?
a) Wild
b) Street
c) Fixed
d) Live Attenuated

SECTION - II (40 marks)

2. **Long answer question (any 1 out of 2)** **10**
a. Write in detail about The Employees State Insurance Act, 1948
b. Write epidemiology, prevention and control measures of Measles in detail.
3. **Write/Comment any Two short answers (any 2 out of 3) (each carries 5 marks)** **10**
d. Nutrition surveillance
e. Eugenics
f. Antenatal care
4. **Write short answers in one or two sentences (10) (each carries 2 mark)** **20**
a. Define food adulteration
b. Society
c. Name of first generation sexually transmitted diseases
d. Define drug dependence
e. Sources of Iron
f. Cut-off points for the diagnosis of anemia
g. Net protein utilization
h. Milk pasteurization
i. Balanced diet
j. Low birth weight

SECTION - III (40 marks)

5. **Long answer question (any 1 out of 2)** 10
- a. Define maternal mortality rate. Describe its causes, prevention & control measures in detail.
 - b. Define social problem. Describe in detail various social problems in India.
6. **Write/Comment any Two short answers (any 2 out of 3) (each carries 5 marks)** 10
- d. Functions of World Health Organization
 - e. UNICEF
 - f. Pneumoconiosis
7. **Write short notes on following (5 short notes of 4 marks each) (any 5 out of 6)** 20
- a. Write preventive and control measures for diabetes in India
 - b. Recrudescence and relapse in malaria
 - c. Warning signs of cancer. Briefly describe risk factors of breast cancer
 - d. Rule of halves
 - e. Acculturation
 - f. Turner's syndrome
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RAN-3704

3rd M.B.B.S. Part - I Examination

January - 2023

Community Medicine (Paper-II)

(Old Course)

[Total Marks: 60

सूचना : / Instructions

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Fill up strictly the details of signs on your answer book

Name of the Examination:

3rd M.B.B.S. Part - I

Name of the Subject :

Community Medicine (Paper-II) (Old Course)

Subject Code No.: 3 7 0 4

Seat No.:

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Student's Signature

- (2) All the Questions are Compulsory
- (3) Answer to the point
- (4) Figures on the right side indicates Maximum Marks
- (5) Answers to each section **must** be written in **Separate** answer books.

SECTION I

Q.1 Write precise answer in ONE/TWO sentence/s
(Total 10 questions each of 1 mark)

10

- (a) Write down the strain recommended by WHO for production of BCG vaccine.
- (b) Write down the Incubation Period of Mumps.
- (c) Write down the disease transmitted by Housefly.
- (d) Define slide Positivity Rate and give formula for calculation of Slide Positivity Rate.
- (e) Write down the definition of Perinatal Mortality Rate and current Perinatal Mortality Rate in India as per census 2021
- (f) Write down the objective of ergonomics.
- (g) Write down the name of disease due to Vitamin C deficiency and its characteristic.

- (h) Define the Balance Diet.
- (i) What is meaning of Household?
- (j) Write down the function of NITI Aayog

Q.2 Write in detail about epidemiology and prevention and control of Hepatitis A **10**

Q.3 Write Very short questions on following (Each carries 2 marks) **10**

- (a) What do you mean by isolation and quarantine and its role in prevention of Covid -19?
- (b) Write down the content of Pentavalent vaccine and how and when should it be given?
- (c) What is meaning of "communication". List out barrier in communication process.
- (d) What is Endemic Fluorosis? Write intervention for prevention of Endemic Fluorosis.
- (e) Characteristics of mentally healthy person

SECTION II

Q.4 Short notes 5 (each carries 3 marks) **15**

- (a) Epidemiological factors responsible for epidemics of Dengue in urban area of Surat.
- (b) Write down the epidemiological determinants in Rabies.
- (c) Define maternal mortality ratio (MMR) .write down the determinants of Maternal Mortality in India
- (d) Write down the communication process with its main component in details.
- (e) Write down the Role of WHO in covid-19

Q.5 Five Short questions (each carries 3 marks) **15**

- (a) Define family. Write different types of family. Advantages and disadvantages of all types of family in 1-2 statements only.
- (b) Write down the sources of iron, function and its deficiency and prevention of iron deficiency anemia
- (c) Write down the problems of old age person.
- (d) Write about characteristics of Turner's syndrome and role of Genetic Counselling as health promotional measure in genetic disease prevention.
- (e) Write about role of replacement examination in prevention of occupational disease.