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2019 Scheme

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Q.P. Code: 317001 **Reg. no.: ……**

III Professional MBBS Part I Degree Supplementary (SAY) Examinations May 2025
Community Medicine Paper II

Time: 3 Hours **Total Marks: 100**

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

1. Multiple Choice Questions (20x1=20)

The MCQ questions (Q.No. i to Q.No. xx) shall be written in the space provided for answering MCQ questions at page No. 51 of the answer book (the inner portion of the back cover page (PART III)). Responses for MCQs marked in any other part/page of the answer book will not be valued

Question numbers i-v are single response type questions

i. An example for public private partnership in health and disease control
a) Viral Hepatitis A c) Hookworm infestation
b) Pulse polio program d) Plague

ii. Health of travelers is related to the term
a) Ergonomics b) Emporiatrics c) Eugenics d) Euthenics

iii. The regional office of WHO (SE Asia) is located at
a) Delhi b) Nagpur c) Hyderabad d) Haryana

iv. The process of sorting out victims of disaster on a priority base is
a) Rescue b) Response c) Triage d) Mitigation

v. An example of behavioral disorder is
a) Hypertension b) Duodenal ulcer c) Aggressiveness d) Coronary artery disease

Question numbers vi-x are case scenario-based questions

Reeta, 35 years old lab technician presented with a history of cough and fever of 3 weeks duration. She is a known case of diabetes mellitus. On examination, crepitations are heard in the left apical area. She resides in a near by urban slum area

vi. How many samples of sputum are to be collected for microscopic examination of tuberculosis
a) 3 samples of sputum c) early morning sample on day 2
b) 2 samples of sputum d) A spot sample on day one

vii. On sputum microscopy, 1-10 AFB per oil immersion field were reported. How do you grade the infectivity of the disease
a) Scanty Bacilli b) 3+ c) 1+ d) 2+

viii. The rapid diagnostic tools in tuberculosis is
a) Chest X-ray b) Sputum microscopy c) CB-NAAT d) Culture sensitivity

ix. Reeta did not report to the DOTS centre after her treatment was started at the nearby DOTS centre for two months. She is classified as a TB case of
a) Treatment unsuccessful c) Treatment failure
b) Loss to follow up d) Treatment incomplete

x. Pick the wrong statement about social factors in the transmission of tuberculosis
a) Poor housing b) Indoor air pollution c) Under nutrition d) Over crowding

Question numbers xi-xv consist of two statements-Assertion (A) and Reason (R). Answer these questions by selecting the appropriate options given below.

xi. Assertion: ABER (Annual Blood Examination Rate) should be less than 5%
Reason: API (Annual Parasite Incidence) depends on the number of blood slides screened for malaria parasite
a) Both A and R are true and R is the correct explanation of A c) A is true, R is false
b) Both A and R are true and R is not the correct explanation of A d) A is false, R is true

xii. Assertion: Man is a dead end host in Japanese encephalitis disease
Reason: Cattles and Buffaloes act as mosquito attractants
a) Both A and R are true and R is the correct explanation of A c) A is true, R is false
b) Both A and R are true and R is not the correct explanation of A d) A is false, R is true

xiii. Assertion: All children of a boarding school are treated for scabies infestations
Reason: Cyclops is the intermediate host in scabies
a) Both A and R are true and R is the correct explanation of A c) A is true, R is false
b) Both A and R are true and R is not the correct explanation of A d) A is false, R is true

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xiv. Assertion: child health is a component of 5x5 matrix for RMNCH+A
Reason: Immunisation is a specific protective measure
a) Both A and R are true and R is the correct explanation of A
b) Both A and R are true and R is not the correct explanation of A
c) A is true, R is false
d) A is false, R is true

xv. Assertion: Consumption of iodized salt prevents goitre
Reason: Consumption of vitamin A rich food reduces bitots spots
a) Both A and R are true and R is the correct explanation of A
b) Both A and R are true and R is not the correct explanation of A
c) A is true, R is false
d) A is false, R is true

Question numbers xvi-xx are multiple response type questions read the statements and mark the answers appropriately

xvi. Registration of all pregnant woman before 12 weeks is to
1) Assess the health status of mother
2) screen for risk factors early
3) Obtain base line information on blood pressure hemoglobin and weight
4) Manage risk factors and refer to FRU/district hospital
a) 3, 4 are correct b) 1, 3 are correct c) 2, 3, 4 are correct d) 1, 2, 3, 4 are correct

xvii. In case of a pet dog bite with bleeding
1) The pet dog should be observed for 10 days
2) The wound should be washed for a minimum period of 10-15 minutes
3) No need for ARV (Anti rabies vaccine)
4) No need for RIG (Rabies immunoglobulin)
a) 1, 2, 3 and 4 are correct b) 1, 2, 3 are correct c) 2, 3 and 4 are correct d) 1 and 2 are correct

xviii. In case of latent tuberculosis infection
1) The patient has TB bacteria that are inactive 2) Patient feels sick
3) Patient does not spreads the disease 4) Patient has an abnormal chest X -ray
a) 3 only is correct b) 1, 3 are correct c) 2, 3, 4 are correct d) 1, 2, 4 are correct

xix. Barriers to dietary preferences in children are
1) Food availability 2) Cultural preferences of food consumed
3) Income 4) Advertising
a) 1, 3 are correct b) 1, 4 are correct c) 1, 2, 3 are correct d) 1, 2, 3, 4 are correct

xx. The dimensions of Rashtriya Kishor Swasthya Karyakram program are
1) Mental health 2) Nutrition 3) Substance misuse 4) Gender based violence
a) 1, 3 are correct b) 1, 4 are correct c) 1, 2, 3 are correct d) 1, 2, 3, 4 are correct

Essays: **(2x10=20)**

2. Ismail is a 59 year old person suffering from coronary artery disease. His Body Mass Index (BMI) is 30kg/m2. He is a plumber, working about 20-22 days in a month. He developed the habit of consuming alcohol at the age of 35 years
a) How do you classify Body Mass Index
b) What are the risk factors that can be modified to promote health
c) As a primary health centre Medical officer what are the interventions you will do in your area to reduce the incidence and prevalence of coronary heart disease. (2+4+4)
3. Pavitra is a 18 month old child presenting with symptoms of cough, fever and wheeze since 5 days. On examination she has a respiratory rate of 58/min, chest indrawning. She was irritable and restless
a) What is Pavitra suffering from
b) What is the major highlights of the Indian Integrated Management of Neonatal and Childhood Illness (IMNCI)
c) What are preventive vaccines given to the children for protection from respiratory disease (2+5+3)

Short Essays: **(6x6=36)**

4. Classify and list the health problems of the elderly
5. Programme Evaluation and Review Technique (PERT) and Critical Path Method (CPM) management techniques
6. Sentinel surveillance
7. National mental health program
8. Anemia Mukth Bharat
9. Medical Terminations of Pregnancy Act

Short Answers: **(6x4=24)**

10. Define and list two examples each of emerging and reemerging diseases
11. Tracking of blood pressure
12. Identify and discuss physician's role and responsibility to society and the community that she/he serves
13. Side effects of intra uterine contraceptive devices
14. Vaccine vial monitor
15. List the levels of health care delivery with examples

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