

**Time: Three Hours****Max. Marks: 100****COMMUNITY MEDICINE – PAPER – I (RS-4 & RS-5)****Q.P. CODE: 1035****(QP contains two pages)**

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

**LONG ESSAYS****2 x 10 = 20 Marks**

1. You are the medical officer of a primary health centre. Many cases of acute gastroenteritis have been reported from the villages under your administrative jurisdiction. List the steps that you would take to investigate this problem.
2. Enumerate the diseases transmitted by vectors. Discuss integrated vector control method as an efficient strategy to control vector borne diseases

**SHORT ESSAYS****8 x 5 = 40 Marks**

3. Describe the different types of disinfection with suitable examples
4. Describe the components of validity of a screening test with 2x2 table
5. Differentiate between mass approach and individual approach in health education
6. Discuss the mortality indicators of health with examples
7. Discuss prevention and control measures against Iodine deficiency disorders in India
8. Enumerate the sources of vital statistics in India. Describe any one of them
9. Classify Biomedical Waste (BMW). What are the hazards of improper management of BMW?
10. Describe the preventive and control measures against the hazards for agricultural workers.

**SHORT ANSWERS****10 x 3 = 30 Marks**

11. Differentiate between rate and ratio with an example
12. Who is a Carrier? List various types of carriers
13. Describe systematic Random Sampling
14. List various measures to control air pollution
15. Draw the symbols for Biohazard and Cytotoxic waste
16. Enumerate the objectives of health education
17. Define Disability Adjusted Life Years (DALY)
18. List the initiatives to combat nutritional anaemia in India
19. Describe the structure of the World Health Organization
20. Define ergonomics

**Multiple Choice Questions****10 x 1 = 10 Marks**

- 21 i) Which vaccination should be given to workers who deal with biomedical waste?  
A. Hepatitis B  
B. Hemophilus Influenza B  
C. Rabies  
D. Diphtheria
- 21 ii) Who is called as "Father of Modern Epidemiology"  
A. CEA Winslow  
B. John M Last  
C. John Snow  
D. Edwin Chadwick
- 21 iii) If the calculated value of the chi square test is LESS THAN the table value, we conclude by  
A. Accepting the null hypothesis  
B. Rejecting the null hypothesis  
C. Accept alternate hypothesis  
D. Cannot conclude based on data given
- 21 iv) Permissible level of fluoride in drinking water is  
A. < 0.5 mg/L  
B. 0.5-0.8 mg/L  
C. 1 mg/L  
D. 1.5 mg/L
- 21 v) One of the principles of health education is  
A. Service  
B. Feedback  
C. Appealing to emotion  
D. Providing readymade information
- 22 i) A state of social dysfunction is called as  
A. Illness  
B. Disease  
C. Sickness  
D. Unwell
- 22 ii) The dose of vitamin A prophylaxis administered to a 9 month old infant under National Immunization Schedule is  
A. 50000 IU  
B. 100000 IU  
C. 200000 IU  
D. 10000 IU
- 22 iii) The headquarters of Food and Agricultural Organization is located in  
A. Paris  
B. Geneva  
C. New York  
D. Rome
- 22 iv) Sustainable Development Goals (SDGs) of United Nations does not feature:  
A. Tuberculosis  
B. Hepatitis B  
C. Covid 19  
D. Malaria
- 22 v) As per Factory Act, a 'factory' is defined as an establishment employing \_\_\_\_\_ or more workers where power is used and \_\_\_\_\_ or more workers where power is not used.  
A. 25 ; 35  
B. 35 ; 25  
C. 10 ; 20  
D. 20 ; 10

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