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Q.P. Code - 1035

Rajiv Gandhi University of Health Sciences, Karnataka

MBBS Phase – III (Part-I – CBME) Degree Examination - 08-Feb-2024

Time: Three Hours   Max. Marks: 100

COMMUNITY MEDICINE – PAPER – I (RS-4)
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 a researcher who has conducted a study on risk factors for stroke in a community. The result of your study shows that the odds ratio for tobacco use was 4.6.
    a) What is odds ratio?
    b) In which study design will you calculate odds ratio?
    c) How will you interpret an odds ratio of 4.6?
    d) Discuss the differences between case control And cohort study

2. Define health education. Discuss models of health education. Explain in detail principles of Health education.

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

3. What are the health hazards due to noise pollution and measures taken to prevent it?

4. Classify Biomedical Waste. How is **waste in the** white colored bin of Biomedical Waste treated **and** disposed?

5. What is Human Development Index? (HDI)? What are the steps to estimate HDI?

6. Define Food adulteration. Explain with example.

7. What is pneumoconiosis? Add a note on its prevention.

8. Define "prevalence" and "incidence". Explain the relationship between incidence and prevalence.

9. What is cold chain? Enumerate the components of cold chain. Add a note on Vaccine vial monitor(VVM)

10. Discuss the objectives and uses of National Family Health Survey (NFHS)

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

11. **List 3** health hazards of Health care waste?

12. Explain the functioning of oxidation pond

13. What is Sentinel surveillance? Give example

14. **List 3** methods of nutritional status assessment

15. Mention **3** health effects of heat on mine workers.

16. List the advantages and disadvantages of pie charts in depiction of statistical data.

17. List three differences between a screening test and a diagnostic test.

18. **Draw a labelled diagram to depict the components of the communication cycle.**

19. State the formula and limitations of Crude Death Rate (CDR).

20. List **3** functions of International Red Cross Society.

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

21 i)   Mixing of Biomedical waste with cement is called as
   A. Incineration
   B. Inertization
   C. Shredding
   D. Autoclaving

21 ii) Minimum contact period required during Chlorination?
   A. 30 minutes
   B. 1 hr
   C. 2 hrs
   D. 4 hrs

21 iii) All of the following are utilization rates **EXCEPT**
   A. Population bed ratio
   B. Bed occupancy rate
   C. Bed turnover ratio
   D. Average length of stay.

21 iv) The dose of vitamin A prophylaxis **administered to** a 9 month old child **is**
   A. 50000 IU
   B. 100000 IU
   C. 200000 IU
   D. 10000 IU

21 v)   What percentage of wages is paid/payable by employees under Employee State Insurance (ESI) Act is
   A. 0.25.
   B. 1.75.
   C. 0.75.
   D. 1.25.

22 i)   The denominator in the calculation of case fatality rate is
   A. Total number of deaths due to the disease
   B. Total number of cases due to the disease
   C. Total number of hospitalizations due to the disease
   D. Total number of severe cases due to the disease

22 ii) The appropriate "group approach to health communication" in the list given below **is**
   A. Posters
   B. Exhibitions
   C. Conference
   D. Folk Methods

22 iii) Serum cholesterol levels of 10 patients (in mg%) are - 490, 180, 100, 130, 50, 100, 90, 110, 100, 130 - The appropriate measures of central tendency dispersion to represent this data would be
   A. Mean
   B. Standard deviation
   C. Median
   D. Mean deviation

22 iv) The person responsible for Great Sanitary Awakening was
   A. Galon
   B. Robert Koch
   C. John Snow
   D. Edwin Chadwick

22 v)   Emporiatrics is the study of
   A. Genetic Health
   B. Travellers Health
   C. Occupational Health
   D. Reproductive Health

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