

Time: 3 Hours

Total Marks: 60

- Answer all questions
- Draw diagrams wherever necessary

Essay:

(10)

1. In the primary health centre where you are the medical officer, there are more number of low birth weight babies being born. You want to find out without much delay whether maternal anemia can be the associated risk factor. Answer the following:

- What type of study design can you plan
 - What are the steps of such a study
 - How do you minimize the bias of the study
 - How will you determine the association
- (2+4+2+2)**

Problems:

(2x5=10)

2. A sample of water was taken from a house tap and sent for analysis. The chemical analysis showed lead level to be 0.16mg/L. Comment on the quality of water, the impact on health and give remedial measures.
3. As a medical officer in a primary health centre how will you control vitamin A deficiency in your area

Short answer Question:

(5x4=20)

4. Criteria for screening
5. Control of bagassosis
6. Integrated vector control
7. Disinfection
8. Medical social work

Differentiate between:

(3x2=6)

9. Propaganda and health education
10. Surveillance and monitoring
11. Codex alimentarius and the agmark standards

Substantiate your answer with reasons:

(2x2=4)

12. Exclusive breast feeding is the best for an infant up to 6 months.
13. Sharp wastes must be disposed in blue puncture proof containers.

List the following:

(5x2=10)

14. Sources of health information.
15. Tick borne diseases
16. Direct transmission of infectious diseases
17. Monitoring of air pollution
18. Hormonal contraceptives
