

137-NR

M.D. DEGREE EXAMINATION – APRIL, 2014

SOCIAL & PREVENTIVE MEDICINE

Paper-II : Epidemiology and control of diseases

Time: 3 Hours

Max. Marks:100

Note: Answer all questions

All questions carry equal marks

WRITE SHORT ESSAYS ON THE FOLLOWING:

- 1) Discuss the strategies for prevention of Mother to Child Transmission of HIV.
- 2) As the Municipal Health Officer, submit a plan for surveillance of drinking water in your town.
- 3) Plan a screening program for Diabetes mellitus in a village with a population of approximately 5000.
- 4) Critically appraise a cohort study.
- 5) Cases of a febrile illness has shown a sudden increase in villages under your PHC. Discuss how you will investigate and what measures will you take to control the outbreak?
- 6) Discuss the current situation of Vector Borne Diseases in India. Write a note on LLINs.
- 7) Polio eradication from India has been achieved. Analyse the reasons for this success. Name the countries where Polio is still existing.
- 8) Review the RNTCP since its inception.
- 9) Discuss the composition and role of Institutional Ethics Committee.
- 10) A study of HIV infection in women entering the Prison system classified 465 inmates with respect to history of intravenous drug use (IVDU) (user=136 and non-user=339). 61 of the users and 27 of the non-users were found to be HIV positive.
 - a) Calculate the prevalence of HIV in each exposure group.
 - b) Calculate the prevalence of HIV in each non exposure group
 - c) Calculate the prevalence ratio and Interpret your findings.

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