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2013/2014 HARMATTAN SEMESTER EXAMINATION
MCB 405: PRINCIPLES OF EPIDEMIOLOGY AND PUBLIC HEALTH

INSTRUCTION: Answer any THREE questions

TIME: 1 hr 45 mins

- ✓ 1a) What are the public health implications of "chain of infection" in epidemiological study?
- b) Using schematic diagram only, describe the main sources of epidemiological data.
- ✓ 2a) Describe the epidemiology of airborne transmission by
 - i) droplets and droplet nuclei
 - ii) Infectious dust
- b) What is latency of infection?
- ✓ 3a) Discuss the role of the host in infectious diseases.
- b) Write short note on zoonotic diseases
- c) What is herd immunity?
- 4a) Write on the following:
 - i) Active immunization
 - ii) Passive immunization
 - iii) DNA vaccines
- b) "The epidemiologic triad is the traditional model of infectious disease causation". Discuss.