

BMI2602

October/November 2015

MEDICAL EPIDEMIOLOGY

Duration 2 Hours

100 Marks

EXAMINERS .

FIRST

SECOND

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Closed book examination.

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This paper consists of 2 pages

ANSWER FIVE (5) OF THE EIGHT (8) QUESTIONS

Students must answer the questions in the examination answer book provided.

Dear student, take a deep breath, exhale and relax Now you are ready to start answering the questions All the best!

[TURN OVER]

QUESTION 1 [20]
Describe the contributions to epidemiology of Snow, Semmelweis and Jenner

QUESTION 2 2 x 10 = [20]
2 1 Describe the importance of controls in trials involving new drugs (10)
2 2 Describe the various measures of morbidity including incidence, prevalence and attack rate (10)

QUESTION 3 [20]
Using appropriate examples, discuss the global spread of respiratory diseases

QUESTION 4 2 x 10 = [20]
4 1 Explain the consequences of false positive and false negative test results (10)
4 2 Describe the phases in drug trials (10)

QUESTION 5 [20]
Discuss the phases in the natural history of disease in a patient

QUESTION 6 [20]
As an epidemiologist you are required to perform an observational study of a disease outbreak Describe the components of such a study

QUESTION 7 [20]
Discuss the importance of disease prognosis

QUESTION 8 4 x 5 = [20]
Using appropriate examples, discuss the following epidemiological terms
7 1 Epidemic and endemic diseases (5)
7 2 Re-emerging and global diseases (5)
7 3 Statistical measurement of epidemics (5)
7 4 Nosocomial infections and herd immunity (5)

TOTAL MARKS: 100