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UNIVERSITY EXAMINATIONS 2024/2025

SECOND YEAR, FIRST SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR
OF SCIENCE IN HEALTH RECORD AND INFORMATION MANAGEMENT

HPR 3212: FUNDAMENTALS OF EPIDEMIOLOGY

DATE: JANUARY 2025

TIME: 2 HOURS

INSTRUCTIONS: Answer questions One and any other Two

QUESTION ONE (30 MARKS)

1. Define the following terms
 - a) Epidemiology (1 Mark)
 - b) Measures of central tendency (1 Mark)
 - c) Cohort Studies (1 Mark)
 - d) Odds ratio (1 Mark)
 - e) Incidence (1 Mark)
 - f) Prevalence (1 Mark)
2. Discuss two types of errors when analyzing results of an epidemiological study (5 Marks)
3. Write short notes about natural history of disease (5 Marks)
4. List five types of statistical distribution (5 Marks)
5. Write short notes on analytical epidemiology (5 Marks)



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6. With a diagram discuss a histogram (5 Marks)

SECTION B

Choose any two questions (40 Marks)

1. Discuss various types of bias in research (20 Marks)
2. Discuss how diseases are transmitted (20 Marks)
3. With a help of a diagram explain epidemiological triad (20 Marks)



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