International Institute of Health Management Research [IIHMR]
NEW DELHI
Batch 2017-19
Supplementary
Exam

Time: 3 Hrs.   **Total Marks: 80**

HOM – 717: CLINICAL EPIDEMIOLOGY

Attempt all questions and read carefully before answering. Your answer should be very specific and concise.

- Note the page limit for each question. *Two marks will be deducted for every extra page or part thereof. (This is a eco-friendly exam!)*
- For multiple choice questions *2 marks will be awarded for a correct answer* and *1 mark will be deducted for a wrong answer*

1. **The following multiple questions has one correct answer. Please write down the choice in your answer sheet.**

[Max Marks: 2x5=10, One Page]

1. Which of the following factors is necessary for causation
   a) Specificity
   b) Strength
   c) Temporality
   d) Analogy

2. A clinical trial is stopped midway because of unacceptable side effects. Which clinical principle is involved here?
   a) Nonmaleficence
   b) Benefecience
   c) Justice
   d) Autonomy

3. If a drug is useful
   a) The lower limit of confidence interval is greater than one
   b) The upper limit of confidence interval is greater than one
   c) The upper limit of confidence interval is lesser than one
   d) The lower limit of confidence interval is lesser than one and upper limit is greater than one

4. Likelihood ratio in the range of following is considered strong evidence to rule in disease
   a) >10
   b) 5-10
   c) 2-5
   d) 0.5-2

5. The following does not refer to censoring
   a) Subject is event free till the end of the study
   b) Subject is lost to follow-up
   c) Subject withdraws from the study
   d) Subject experiences event before study ends

2. Please go through the CONSORT guidelines checklist and the RCT provided. Choose any 10 points from 3-22, mark page number/s on checklist and in your answer sheet provide detailed response within the total page limit.

[Max Marks: 20+10=30, Five Pages]

3. Explain the difference between sensitivity and specificity of a laboratory investigation? If a test X is sensitive and a test Y is specific, in which order would you use these tests and why?

[Max Marks: 20, Two Pages]

4. Trace the evolution of a drug from bench to bedside? Explain the various phases?

*[Max Marks: 6*5=30, Three Pages]*

5. In a tabular form explain how a Meta-analysis differs from a Systematic Review. Explain using the example of drug trials for paracetamol for fever.

[Max Marks: 4+6=10, One page]