

Code No: PD502

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**Pharm.D V Year Supplementary Examinations, October/November - 2019****PHARMACOEPIDEMIOLOGY AND PHARMACOECONOMICS****Time: 3hours****Max.Marks:70**

Answer any five questions
All questions carry equal marks

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1. Discuss the risk measurement in pharmacoepidemiology studies. [14]
2. Explain the following tools for measurement of outcomes in pharmacoepidemiology. Give their advantages and disadvantages:
 - a) Defined daily doses and prescribed daily doses.
 - b) Number of prescriptions. [14]
3. What care should be taken for vaccine safety studies? Discuss vaccine safety studies in detail. [14]
4. What is meta-analysis? Give the advantages and disadvantages of the same. Discuss the challenges associated with spontaneous reporting. [14]
- 5.a) Write a note on the role of pharmacoeconomics in formulary management decisions.
 - b) Describe health outcome measures. [7+7]
6. Compare and contrast different types of drug utilization studies. [14]
7. Give a detailed account of cost utility and cost effectiveness studies. [14]
8. A public health nurse can screen patients in a day for HIV. Her monthly salary is Rs. 4000/-. A single patient screening along with the laboratory requirements costs around Rs. 70/-. If the nurse needs to screen more than patients, she needs the help of an assistant whose monthly salary is Rs. 00/ -.
 - a) Calculate the marginal cost if (i) 27 patients are scheduled (ii) 53 patients are scheduled.
 - b) Draw conclusions on the program activity level.
 - c) Explain QALY and DALY. [14]

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