

UNIVERSITY OF JAFFNA, SRI LANKA
FACULTY OF ALLIED HEALTH SCIENCES
DEPARTMENT OF PHARMACY
FOURTH YEAR SECOND SEMESTER EXAMINATION –2022
PHAPE 4222 PHARMACOECONOMICS

Date: 15.08.2024

Time: 02 Hours

Answer all four (04) questions.

1. Briefly explain the following economic evaluation methods:
 - 1.1 cost-minimisation analysis(CMA) (25 Marks)
 - 1.2 cost-effectiveness analysis (CEA) (25 Marks)
 - 1.3 cost-benefit analysis (CBA) (25 Marks)
 - 1.4 cost-utility analysis (CUA) (25 Marks)

2. Briefly explain the cost calculations approaches:
 - 2.1 Micro costing (30 Marks)
 - 2.2 Standard costing (30 Marks)
 - 2.3 Human capital method (40 Marks)

3.
 - 3.1 Write the importance of the inflation and discount rate in Pharmacoeconomics studies. (20 Marks)

 - 3.2 A cost of diarrhoea (illness) study was conducted from June 01, 2023 to May 31 of 2024. The illness episode of 10 patients starting and finishing dates are given. Calculate the **incidence rate and prevalence rate** (20 Marks)

Episode No.	Starting date	Finishing Date
1.	July 21, 2023	Aug 01, 2023
2.	Dec 20, 2023	Jan 5, 2024
3.	Dec 31, 2023	Jan 1, 2024
4.	May 31, 2023	Jun 01, 2023
5.	May 31, 2023	Jun 01, 2024
6.	Jun 01, 2023	May 31, 2024
7.	May 31, 2024	Jun 15, 2024
8.	May 25, 2023	Jun 9, 2023
9.	Aug 02, 2023	Aug 03, 2023
10	Mar 12, 2024	Mar 28, 2026

- 3.3 Briefly describe the use of model in pharmacoeconomic evaluations (30 Marks)
- 3.4 Intangible cost and opportunity cost. Describe. (30 Marks)
4. 4.1 Explain the term Cost (10 Marks)
- 4.2 List the 3 elements of cost in Pharmacoeconomics (05 Marks)
- 4.3 List the 3 categories of cost in Pharmacoeconomics and briefly Explain. (30 Marks)
- 4.4 Explain the perspective of Pharmacoeconomics studies (40 Marks)
- 4.5 Write an account in QALY(Quality-Adjusted Life Year) (15 Marks)