Enrolment No.: ……………………………

School of Pharmaceutical Management

MBA Pharmaceutical Management
Batch-14th (2022-2024)
Second Year, Term 6 End Term Examination, March 2024

PHRM-751 Sustainability and Circular Economy

Time - 3 Hour **Maximum Marks: 50 (Minimum Marks: 20)**

Instructions to students:

- **This question paper contains 2 printed pages.**
- **Don't write anything on the Question Paper except writing your Enrolment No.**

Part A

(Maximum Marks: 5)

Q1. Choose the correct option for the following questions (1 mark each):

(a) Which of the following best describes the circular economy?
(i) A linear approach to resource consumption and production
(ii) A system that aims to minimize waste and make the most of resources
(iii) A model focused solely on economic growth
(iv) D) A traditional model of resource extraction and disposal

(b) What are the three dimensions of sustainability often referred to as?
(i) Profit, Loss, and Investment
(ii) Economy, Profit, and Environment
(iii) People, Planet, and Profit
(iv) D) Society, Wealth, and Environment

(c) Which of the following is a key principle of the circular economy?
(i) Maximizing waste generation
(ii) Linear supply chains
(iii) Reducing resource consumption
(iv) D) Extracting resources indefinitely

(d) What does TBL stand for in the context of sustainability assessment?
(i) Triple Bottom Line
(ii) Total Business Loss
(iii) Total Budget Limit
(iv) D) Technology-based Learning

(e) In the context of sustainability, what does ESG stand for?
(i) Environmental, Social, and Governance
(ii) Economic, Social, and Governance
(iii) Environmental, Safety, and Governance
(iv) D) Efficiency, Sustainability, and Governance

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Part B

(Maximum Marks: 15)

Answer the following questions.

Q2. Define the concept of the circular economy and provide an example from the pharmaceutical industry. (5)

Q3. Discuss how the concept of sustainability integrates societal, environmental, and economic considerations. (5)

Q4. Describe how circularity metrics used to measure the sustainability performance of businesses. (5)

Part C

(Maximum Marks: 30)

Answer the following questions in detail.

Q5. Compare and contrast two sustainable business models in the pharmaceutical industry. (10)

Q6. Analyze the carbon footprint of the pharmaceutical sector and propose strategies for reducing it through circular economy principles. (10)

Q7. Evaluate the environmental and social impacts of linear and extractive (non-circular) practices compared to circular economy principles using example of pharma domain. (10)