



**MBA Hospital, Health, Pharmaceutical and Development Management
(2022-2024)**

Second Year, Term 6 End Term Examination, March 2024

EC-243 Implementation Science and Research

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. Fill in the blanks:

- (a) Implementation Research is the scientific study of the use of _____ to adopt and integrate evidence-based health interventions into clinical and community settings to improve patient/program outcomes and benefit _____. (2)
- (b) Diffusion is passive, untargeted, unplanned, and uncontrolled spread of new _____. (1)
- (c) _____ is the study of methods to promote the integration of research findings and evidence into healthcare policy and practice. (1)
- (d) The implementation of evidence-based healthcare interventions is challenging, with a _____ identified between the generation of evidence and its implementation in routine Practice (1)

Part B

(Maximum Marks: 15)

Answer the following questions.

- Q5. What is the difference between Integrated knowledge Translation and End of Grant Translation? (5)
- Q6. Explain Complex Adaptive System. (5)
- Q7. Differentiate between Theory of Change & Log Frame Development. (5)

Part C**(Maximum Marks: 30)**

In low- and middle-income countries, health campaigns are used as a significant part of the strategy to address high-priority health areas, such as neglected tropical diseases (NTDs), malaria, polio and other vaccine-preventable diseases and vitamin A supplementation. In settings where multiple campaigns occur, planning and implementation are often carried out with little communication and inadequate coordination among campaigns, communities and national health programs. Inefficiencies and inequities strain health systems and services, burden health care workers and communities, and limit the potential health impact. To address this gap, implementation research should be conducted that fosters the identification, testing, evaluation and replication of evidence-based campaign practices, delivery models, tools and approaches that are relevant and acceptable to country health programs.

Campaign integration, whether full (i.e., co-delivery of interventions) or partial (where campaigns share inputs, tools, data or processes), is a complex and collaborative process that requires input from multiple stakeholders from the different health programs and across the global, national, regional and local levels of governments and implementing partners.

There is a strong need to learn how best to integrate campaigns and work with primary health care systems to improve the overall effectiveness of health campaigns. We have developed some priority research question for the Implementation Research in your country?

Priority Research Questions

- a) What structural, political, behavioral, or procedural enabling and hindering factors at different levels of the health system affect whether integrated campaigns are considered, planned and initiated?
- b) What do campaign managers and/or other decision makers see as the main barriers or challenges to full or partial campaign integration?
- c) What is the impact of full and/or partial campaign integration on outcomes such as coverage, disease incidence/prevalence, equity, efficiency, safety, cost, sustainability, and health systems and inter-sectoral linkages?

Based on any one of the Research Questions, Attempt any two of the following questions:

- Q8.** What would be the implementation research design, data collection methodology and ethical approval plan? (15)
- Q9.** Who would be your stakeholder for this IR? Conduct a stakeholder analysis using power grid? (15)
- Q10.** Explain the IR Framework you plan to use in the proposal? Explain your plan for Knowledge Translation? (15)