

SD Gupta School of Public Health
Master of Public Health (Implementation Science)
Cohort-01 (2022-2024)

First Year, Semester 2, End Term Examinations, April 2023

MPHIS-602.301-Plan, Design, Conduct and Evaluate Implementation Research

Time - 3 Hours

Maximum Marks:50 (Pass Marks: 20)

This question paper contains two printed pages.

Q1. Write short note on any three of the following:

(Maximum Marks: 3 x 5 =15)

- a) Complex Adaptive System
- b) Ethical Challenges in obtaining consent in IR
- c) Key components of IR Project Planning
- d) Difference between Integrated knowledge Translation and End of Grant Translation
- e) Sampling Technique for Qualitative Research

Q2. Why has health equity emerged as a key concern in Implementation Science? How might implementation research address disparities and improve equity, explain by giving example? (15 marks)

Q3. Read the following case study to answer the subsequent questions.

CASE STUDY

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

- i) 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?
- ii) What do campaign managers and/or other decision makers see as the main barriers or challenges to full or partial campaign integration?
- iii) 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 Question attempt **any two** of the following questions:

(Maximum Marks: 2x10=20)

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