



The IIHMR University, Jaipur
Institute of Health Management Research
MBA -HM Batch (Health Stream: 2016-2018) Second Year
Term Examination
Program Implementation Monitoring and Evaluation

Duration: 3 hours

Maximum Marks 70

The question paper contains 2 Printed pages.

Question No 1. Read the summary situation report carefully. Follow the instruction given against item A to C to prepare the answer for question number1.

"Jamali is a town located in south of a district. It is a town with 2.5 million population. Being an industrial town, there is large migrant population from across the state and they all stay round the year. There is large scale construction work around the town to provide housing for these migrant population. The migrant population include young men, women, and children. The head count of these migrants at any point of time of the year is around 1.2 to 1.5 million. Till the housing is made available they live in about 8 recognized slum dwellings near the river bed on both ends of the town.

The town has an extended monsoon season starting from mid-June and fading out in early October every year. In last 2 years, the average rainfall was about 12% higher than normal. The last two years have seen an increase of vector born disease as reported from the town. The increase was attributed to increase in mosquito breeding site and damp climates.

Total prevalence rate of vector born disease was around 24% i.e. about 10% higher than the threshold level for the town. The API was reported to be more than 5 in most of the areas. It was much higher in the slum dwellings. The mortality was within control due to very effective case management both at district hospital and in outreach clinics. Large case load however, resulted in derailment of normal service showing a decline in Immunization coverage among children and poor maternal care.

In view of this, the Local Municipal Corporation conducted a study to understand the contributing factors for high prevalence rate of vector born disease and to design a project to make the town free from vector born disease in next 4 years.

The key findings of the report were as follows:

- There are heaps of garbage in most of the colonies and wards round the year as the disposal system is very weak and irregular. Because of shortfall in human power, transport and garbage vans, the municipal corporation is constrained to do weekly collection through a roster system.
- After collection, most of the garbage is dumped on the outskirts of the town where the slum dwellings are located. The garbage which is dumped is not leveled regularly, resulting into man made heaps of mountains of garbage with many small water paddles. Stray dogs, cattle, pigs, and vulture add to spreading the garbage all around the place and even polluting the river bed. The garbage dumping places also make a good site for open defecation of slum dwellers. At many

sites, young man and women are seeing segregating garbage for selling to vendors for recycling. None of them are aware of the risk of exposure of vector born disease. They, however, recognize the increase mosquito density specially during rainy season. However, this seems to be normal environment to them and pose very little health problem.

- The report further highlights that people at large do associate the garbage with increase mosquito density. They associate this rise to the river which flows along the town and that nothing they could do to prevent this increase. They are also used to seasonal increase of malaria and diarrhea during the rainy season and take it as normal. The use rate of mosquito net, repellent cream, sprays is very low and irregular by most of the people both in congested area and posh area of the town.
- It has been observed that use of water cooler, plants in small flats, open water tanks for cattle, add to the breeding sites in the town. While going around the town, it was observed that due to pot holes created by civil work undertaken by cable /telephone and sewage departments, the rain water collects in small pits and between bricks and stones and is unattended for a long period of time.
- Municipal Corporation with the support of Local Health Authorities do undertake some sporadic fogging operation with pesticide. There are some wall writing messages around the garbage collection sites. But most seem to have worn out due to damp weather condition and are not clearly visible/readable. During the monsoon season, some newspaper carries out advertisement of preventive actions against vector born disease.
- The dispensary and private clinics network in the town provide adequate treatment facility for managing fever cases. It was observed that only government dispensary and district hospital collect blood slide for laboratory testing. None of the private clinic do that. Even the blood slide rate is very low from the outreach clinics set up by government to serve the slum dwelling. Most of the patients are provided presumptive treatment with Chloroquine free of cost. There is no stock out reporting by any government treatment center in the town. Private clinic however treats patient and charge money for drugs and consultation."

A. Identify the conditions which could attribute to high vector born prevalence in the town in last two years. Arrange them showing a cause and effect relationship with high mosquito density as the starter problem. **10 marks**

B. As a Municipal Health Officer, develop a log frame matrix (LFM) to achieve a low mosquito density index in the town to eliminate vector borne diseases in next three years by selecting only one system and another people related activity **20 marks**

C. Develop an annual work plan using one activity identified in LFM showing only the task/sub task and time line. No budget calculation is required. **10 marks**

Question No. 2. Write short notes (not more than 400 words). **Attempt any Two.** **20 marks**

- a) Stakeholder analysis
- b) Rapid assessment
- c) Result based management

Question No. 3 Describe in brief (not more than 100 words). **Attempt any Four.** **10 marks**

- a) PERT
- b) Planning Cycle
- c) Project Budget Estimate
- d) Project Monitoring Team
- e) "Means and End" Logical relationship

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