

**FAMILY MEDICINE****PAPER-IV**Time: 3 hours  
Max. Marks:100

FLM/D/20/08/IV

**Important Instructions:**

- **You are provided with 5 answer sheet booklets. Each individual answer sheet booklet consists of 10 pages excluding the covering jackets.**
- **Answers to all the questions must be attempted within these 5 answer sheet booklets which must be later tagged together at the end of the exam.**
- **No additional supplementary answer sheet booklet will be provided.**
- *Attempt all questions in order.*
- *Each question carries 10 marks.*
- *Read the question carefully and answer to the point neatly and legibly.*
- *Do not leave any blank pages between two answers.*
- *Indicate the question number correctly for the answer in the margin space.*
- *Answer all the parts of a single question together.*
- *Start the answer to a question on a fresh page or leave adequate space between two answers.*
- *Draw table/diagrams/flowcharts wherever appropriate.*

**Write short notes on:**

1. What are the different levels of disasters in India? Discuss the activities undertaken in National School Safety Project. 4+6
2. Discuss surveillance of drinking water quality. Describe various methods for household purification of water. 5+5
3. What is SWOT analysis? Explain with the help of an example the steps of conducting SWOT analysis in health. 3+7
4. Define & explain the application & steps of Meta-analysis in Medical Research. 10
5. What is social marketing? Discuss social marketing in health. 2+8
6. Discuss health problems of the elderly. Discuss the role of lifestyle in healthy ageing. 5+5
7. Define sampling. Describe the various methods of sampling with the help of suitable examples. 2+8
8. Discuss the various COVID-19 candidate vaccines in India. Discuss the ethical issues in COVID-19 vaccine trials. 7+3
9. Discuss the use of Geographic Information System(GIS) in public health. 10
10. a) Effects of air pollution. 5+5  
b) Occupational hazards of agricultural workers.

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