

**BHARATI VIDYAPEETH (DEEMED TO BE UNIVERSITY), PUNE- INDIA**  
**DOCTOR OF MEDICINE**  
**M. D. COMMUNITY MEDICINE :SUMMER- 2022**  
**SUBJECT : PAPER-I**

Day : Friday  
Date : 1/7/2022

**S-722-2022**

Time : 01:30 PM-04:30 PM  
Max. Marks : 100

---

**N. B. :**

- 1) **Q. No. 1 and Q. No. 2 are COMPULSORY.**
  - 2) Attempt **ANY SEVEN** questions from **Q. No. 3 to Q. No. 10.**
  - 3) Figures to the right indicate **FULL** marks.
  - 4) Draw neat and labelled diagrams **WHEREVER** necessary.
- 

- Q. 1** Plan a research design to evaluate a new diagnostic test for COVID-19. **(15)**
- Q. 2** Write in brief about various tests of significance applied for qualitative data and quantitative data with suitable examples. **(15)**
- Q. 3** What are indicators of air pollution? What is your action plan to reduce air pollution in Pune city? **(10)**
- Q. 4** Write in brief about principles of health education with suitable examples. **(10)**
- Q. 5** Discuss potential errors in interpretation of indicators of morbidity. **(10)**
- Q. 6** What are the various social determinants of health? How will you reduce the burden of disease in the country by addressing its social determinant? **(10)**
- Q. 7** Enumerate arthropods of medical importance and give diseases caused by them. Add a note on integrated vector management. **(10)**
- Q. 8** Write in brief about natural history of disease and levels of prevention with regard to Malaria as an example. **(10)**
- Q. 9** Discuss role of meta-analysis in health research. **(10)**
- Q. 10** Explain epidemiological approach in planning and evaluation of health care. How does epidemiology guide clinical decision making? **(10)**

\* \* \* \* \*