



N-3723

### Third Year M. B. B. S. (Phase-I) (Part-I) Examination

June / July - 2021

### Community Medicine : Paper - I

Time : 2.30 Hours]

[Total Marks : 60

#### Instructions :

(1)

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|---|--|---|
| નીચે દર્શાવેલ નિર્દેશોનું ચિત્રણ ઉત્તરવર્તી પર અવશ્ય લખવી.<br>Fillup strictly the details of signs on your answer book.<br>Name of the Examination :<br><b>Third Year M. B. B. S. (Phase-I) (Part-I)</b><br>Name of the Subject :<br><b>Community Medicine : Paper - I</b><br>Subject Code No. : <b>3723</b> Section No. (1, 2,...): <b>1&amp;2</b> |  | Seat No. :<br><div style="border: 1px solid black; width: 40px; height: 20px; display: inline-block;"></div> <div style="border: 1px solid black; width: 40px; height: 20px; display: inline-block;"></div> <div style="border: 1px solid black; width: 40px; height: 20px; display: inline-block;"></div> <div style="border: 1px solid black; width: 40px; height: 20px; display: inline-block;"></div> <div style="border: 1px solid black; width: 40px; height: 20px; display: inline-block;"></div> <div style="border: 1px solid black; width: 40px; height: 20px; display: inline-block;"></div> |
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### SECTION - I

- 1 Write precise answer in ONE or TWO sentences 10  
 (Total 10 questions each of 1 mark)
- (1) Define the term 'data' used in biostatistics.
  - (2) List two uses of epidemiology.
  - (3) Define 'Carriers' for infectious diseases.
  - (4) Which 3 indicators are consolidated in Physical quality of Life Index ( PQLI)?.
  - (5) Gada family consists of Bapuji(father),Jethalal(son), Daya(wife of Jethalal) and Tapu (grand son) staying in a flat of Gokuldham society. If Jathalal is tested positive for covid 19 in the month of October 2020 by rapid antigen test, who will be quarantined from this family ?
  - (6) Define Predictive value of a negative screening test.
  - (7) Calculate Mean for the series of 10 numbers: 10,20,30,40,50,60,70,80,90,100.
  - (8) Define the term Population growth rate.
  - (9) What is sullage?
  - (10) What was the year of last Population Census and what will be the next likely year for population census ?

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- 2 Describe Sensitivity and Specificity of a screening test. 10
- 3 Write Five very short answers (Each carries 2 marks) 10
- (1) What is surveillance?
  - (2) Importance of PPE(Personal Protective Equipment) kit.
  - (3) Which coloured container is suitable for used sharps under Bio medical waste disposal act guidelines ?
  - (4) Mention full forms of ASHA and MPHVV.
  - (5) What is Pearl Index.

## SECTION - II

- 4 Write Five short notes (Each carries 3 marks) 15
- (1) Ice berg phenomenon in Essential Hypertension.
  - (2) Triage for Covid 19 patients.
  - (3) Blocked flea.
  - (4) Simple random Sampling method.
  - (5) First stage( High stationary) stage of Demographic cycle.
- 5 Write Five short answers (Each carries 3 marks) 15
- (1) Comment on current Infant Mortality Rate of 30 per 1000 live births.
  - (2) Importance of Cold Chain maintenance for Covishield vaccine.
  - (3) Water requirements for Indian citizens.
  - (4) Compare live and killed vaccines for 3 features.
  - (5) What is the importance of Critical Path Method?