



Second Year M. B. B. S. Examination

June / July - 2021

Microbiology : Paper - I

(General Microbiology, Immunology & Parasitology)

Time : **2 Hours**

[Total Marks : 40]

Instructions :

(1)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
 Fillup strictly the details of signs on your answer book.
 Name of the Examination : **Second Year M. B. B. S.**
 Name of the Subject : **Microbio. - I (Gen. Microbio., Immuno. & Parasito.)**
 Section No. (1, 2,.....) : **1&2**
 Subject Code No. : **2 0 0 6 0 0 0 1 0 2 0 2 0 0 0 1**

Seat No. :

Student's Signature

- (2) Attempt to the point.
- (3) Draw a diagram whenever necessary.

SECTION - I

- 1 Long Question. 8
- (1) Define agglutination. Clinical application of agglutination reaction with suitable examples.

OR

- (1) Define mutation and describe various types of mutation.

- 2** Write notes on any three. **12**
- (1) Describe the factors predisposing to microbial Pathogenicity.
 - (2) Bacterial growth curve.
 - (3) Autoclave.
 - (4) Bacterial spore.
 - (5) Characteristics of prokaryotes.

SECTION - II

- 3 Write notes on any two. **10**
- (1) Pathogenesis and laboratory diagnosis of intestinal amoebiasis.
 - (2) Hydatid cyst.
 - (3) Pathogenesis of cerebral malaria.
- 4 Write in Short (1-2 sentences). **10**
- (1) Adjutants.
 - (2) TSI.
 - (3) Brood capsule.
 - (4) Define carrier.
 - (5) Catalase test.
 - (6) Enumerate spore forming organism.
 - (7) Phagocytosis.
 - (8) Zone of equivalence.
 - (9) Membrane filters.
 - (10) Any two materials sterilized by cold sterilization.
-