

II-M.B.B.S.: WINTER 2017
SUBJECT: MICROBIOLOGY PAPER-I

Day : Friday
Date : 05/01/2018

Time: 2.00 pm To 4.00 pm
Max. Marks: 40.

W-2017-3269

N.B.:

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the **RIGHT** indicate full marks.
 - 3) Draw neat and labeled diagrams **WHEREVER** necessary.
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- Q.1 a)** A 5 year old girl comes with history of fever. On examination she appears toxic and there is a dirty greyish white patch on right tonsil. What is the likely diagnosis? How will you diagnose the case in the laboratory? **(05)**
- b)** A 40 years old male patient comes with complaints of profuse watery diarrhea. On examination the patient appears dehydrated. The stool resembles rice water. What is the likely diagnosis? Describe the laboratory diagnosis of this condition. **(05)**
- Q.2 a)** Give **TWO** examples of : **(05)**
- i) Articles sterilized by hot air oven
 - ii) Pigment producing bacteria
 - iii) Atypical mycobacteria
 - iv) Organisms producing neurotoxins
 - v) Citrate utilizing bacteria
- b)** Define or explain briefly: **(05)**
- i) Paradoxical carrier
 - ii) Significant bacteriuria
 - iii) Epidemic disease
 - iv) Attenuation
 - v) Septicaemia
- Q.3 a)** Describe methods of gene transfer. **(05)**
- b)** Classify culture media with examples and their uses. **(05)**
- Q.4** Write short notes on any **FIVE** of the following: **(10)**
- a) Tuberculin test
 - b) Atypical pneumonia
 - c) Autoclave
 - d) Widal test
 - e) Pathogenicity of *Streptococcus pyogenes*
 - f) Method of Anaerobiosis

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