

PSMBT-13 - Paper-I : Medical Microbiology and Parasitology

P. Pages : 1

GUG/W/23/11408

Time : Three Hours



Max. Marks : 80

- Notes : 1. All the questions are compulsory and carries equal marks.
2. Draw the diagram wherever it is necessary.

1. Define epidemiology. Explain various methods of control of communicable disease. **16**
- OR**
- a) Explain the factors responsible for virulence. **8**
- b) Normal flora of skin and mouth. **8**
2. Discuss the cultural characters and laboratory diagnosis of streptococcus pyogenes. **16**
- OR**
- Describe the followings.
- a) Explain pathogenesis of Yersinia pestis. **8**
- b) Explain pathogenesis of clostridium tetani. **8**
3. Describe cultural characters, pathogenesis and laboratory diagnosis of candida albicans. **16**
- OR**
- Write note on:
- a) Pathogenesis of Histoplasma capsulatum. **8**
- b) Sporotrichum schenckii. **8**
4. Discuss the life cycle and pathogenicity of plasmodium vivax. **16**
- OR**
- a) Describe the life cycle of Leishmania donovani. **8**
- b) Explain life cycle of Ascaris lumbricoides. **8**
5. Add a note on.
- a) Koch postulates. **4**
- b) Collection of CSF. **4**
- c) Cultural characteristics of Cryptococcus Neoformans. **4**
- d) General characters of Taenia Solium. **4**
