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Rajiv Gandhi University of Health Sciences, Karnataka  
M.B.B.S. PHASE II Degree Examination – JULY 2015

Time: Three Hours

Max. Marks: 100 Marks

**MICROBIOLOGY -Paper -I**  
**(RS2 & RS3 SCHEME)**  
**QP Code: 1083**

Your answers should be specific to the questions asked  
Draw neat labeled diagrams wherever necessary

**LONG ESSAYS**

**2 x 10 = 20 Marks**

1. Enumerate methods of gene transfer in bacteria. Describe conjugation and write the significance of conjugation. [2+6+2]
2. Name the pyogenic cocci. Write the virulence factors, diseases caused and laboratory diagnosis of *Staphylococcus aureus*. [1+3+3+3]

**SHORT ESSAYS**

**10 x 5 = 50 Marks**

3. Mechanism of type I hypersensitivity
4. Disinfectants used in the hospital
5. Classical complement pathway
6. Laboratory diagnosis of brucellosis
7. Bacterial spore
8. Non specific tests for syphilis
9. Structure and function of immunoglobulin A
10. Laboratory diagnosis of Typhoid fever.
11. BCG vaccine
12. Q fever

**SHORT ANSWERS**

**10 x 3 = 30 Marks**

13. Transport media
14. Enumerate modes of transmission of infections with examples
15. Enumerate features of passive immunity
16. Cholera toxin
17. Passive agglutination test
18. Mechanisms of autoimmunity
19. Anti streptolysin 'O' test
20. Malignant pustule
21. Infections caused by *Pseudomonas aeruginosa*
22. Laboratory diagnosis of Shigellosis

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Time: Three Hours

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**MICROBIOLOGY -Paper -II**  
**(RS2 & RS3 SCHEME)**  
**QP Code: 1084**

Your answers should be specific to the questions asked  
Draw neat labeled diagrams wherever necessary

**LONG ESSAYS**

**2 x 10 = 20 Marks**

1. Describe the pathogenesis and laboratory diagnosis of Poliomyelitis. Add a note on prophylaxis. (3+3+4)
2. Classify Cestodes. Describe the life cycle, pathogenesis and laboratory diagnosis of Taenia saginata. (2+4+4)

**SHORT ESSAYS**

**10 x 5 = 50 Marks**

3. Laboratory diagnosis of lymphatic filariasis
4. Candidiasis
5. Pathogenesis of strongyloidosis
6. Opportunistic infections in AIDS
7. Respiratory syncytial virus
8. Cytomegalovirus infections
9. Sporotrichosis
10. Mycotoxins
11. Viral diarrhoea
12. Paragonimni Westermani

**SHORT ANSWERS**

**10 x 3 = 30 Marks**

13. Life cycle of Trichuris trichiura
14. Laboratory diagnosis of primary amoebic meningoencephalitis
15. LD body
16. Use of peripheral smears in parasitology
17. Laboratory diagnosis of Hepatitis A virus infection
18. Enumerate viruses causing Haemorrhagic fever
19. Classify non neural vaccines for rabies with examples
20. Prion diseases
21. Acute Haemorrhagic conjunctivitis – Calabar swelling
22. List DNA viruses

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