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Q.P. Code: 202001 **Reg. no.: .....**

Second Professional MBBS Degree Examinations, February 2016

Pharmacology- Paper II

Time: 2 Hours **Total Marks: 40**

- Answer all questions
- Draw diagrams wherever necessary

Essays: **(2x6=12)**

1. Classify cephalosporins. Describe the mechanism of action and clinical uses of ceftriaxone. Which drug can be combined with amoxicillin to treat infection due to beta lactamase producing staph. aureus. (2+1+2+1 = 6)
2. A 25years old insulin dependent diabetes mellitus patient develops sweating, anxiety, palpitations and tremors after performing vigorous exercise. Answer the following:
   - What is the cause of these symptoms.
   - Would you prescribe beta blockers to this patient if he develops hypertension and why.
   - How will you treat diabetic keto acidosis. (1+2+3=6)

Short notes: **(5x3=15)**

3. Adverse effects of aminoglycoside antibiotics
4. Uses of chloroquine
5. Methotrexate
6. Cyclosporine
7. Uses of glucocorticoids

Answer briefly: **(5x1=5)**

8. Mechanism of action of cotrimoxazole
9. Uses of azole antifungal agents
10. Centchroman
11. Aprepitant
12. Uses of clofazimine

Name two drugs: **(8x1=8)**

13. Treatment of onchocercosis
14. Anti tumor antibiotics
15. Non nucleoside reverse transcriptase inhibitors
16. Treatment of multi drug resistant tuberculosis
17. Monoclonal antibodies
18. Chelating agents
19. Uterine stimulants
20. Treatment of Paget's disease

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