

**Second Professional MBBS Degree Examinations, March 2014**

**Pharmacology- Paper II**

**Time: 2 Hours**

**Total Marks: 40**

- Answer all questions
- Draw diagrams wherever necessary

**Essays:**

**(2x6=12)**

1. Enumerate the antibiotics which act by inhibiting cell wall synthesis. Mention the detailed mechanism of action of any one of them on bacterial cell wall synthesis. Add a note on beta lactamase inhibitors (2 + 2 + 2 = 6)
2. Read the clinical problem and answer the following questions: 40 years old man who was on metronidazole for amoebic dysentery went to a cocktail party where he consumed alcohol. After some time, he started developing symptoms like flushing, burning sensation, throbbing headache, dizziness, tightness in chest, vomiting.
  - What is the reason for his symptoms.
  - What are the other uses of metronidazole.
  - What are the adverse effects produced by metronidazole (2 + 2 + 2 = 6)

**Short notes:**

**(5x3=15)**

3. Alpha glucosidase inhibitors
4. Serious adverse effects produced by oral contraceptive pills
5. Azithromycin
6. Vinca alkaloids
7. Proton pump inhibitors

**Answer briefly:**

**(5x1=5)**

8. Radical cure in plasmodium vivax infection
9. Drug used in thyrotoxic crisis
10. Super ORS
11. Adverse effects of metoclopramide
12. Antiseptics

**Name two drugs:**

**(8x1=8)**

13. Topical anti fungals
14. Anti pseudomonal drugs
15. H<sub>2</sub> blockers
16. Calcineurin inhibitors
17. Fluoroquinolones
18. Selective estrogen receptor modulators
19. First line anti tubercular drugs
20. Bisphosphonates

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