

**Pharmaceutical chemistry II**  
2nd Exam/Pharmacy/2002/May'12

Max. time :3 hrs

Max. marks:80

**Section A**

Q1. Fill in the blanks.

- i) Barbiturates are derivatives of \_\_\_\_\_.
- ii) Clofibrate is a \_\_\_\_\_agent.
- iii) Aspartame is used as\_\_\_\_\_.
- iv) Sulphadiazine is a derivative of the heterocycle\_\_\_\_\_.
- v) \_\_\_\_\_is used to treat filariasis.
- vi) Chloroquine is an\_\_\_\_\_ and is also used in the treatment of\_\_\_\_\_.
- vii) Chemical name of paracetamol is\_\_\_\_\_.
- viii) Mannitol and urea are used as\_\_\_\_\_.
- ix) Vitamin\_\_\_\_\_ is a cobalt containing substance.
- x) Heparin is an \_\_\_\_\_ given by\_\_\_\_\_route.
- xi) Aminophylline is the salt of theophylline with\_\_\_\_\_.
- xii) Vinblastine is an alkaloid which has \_\_\_\_\_activity.
- xiii) Metronidazole is used in the treatment of\_\_\_\_\_.
- xiv) Aspirin is the derivative of \_\_\_\_\_ acid.

1×16

**Section B**

Q2. Write the structures of any eight.

8 x 2=16

- |                    |                |
|--------------------|----------------|
| i) Barbituric Acid | ii) Pyrazine   |
| iii) Benzimidazole | iv) Adrenaline |
| v) Purine          | vi) Tetrazole  |
| vii) Isoxazole     | viii) Azridine |
| ix) Tropane        | x) Thiophene   |

Q3. Give the uses of any eight.

8 x 2

- |                      |                      |
|----------------------|----------------------|
| i) Cyclopropane      | ii) Testosterone     |
| iii) Neostigmine     | iv) Vitamin A        |
| v) Chloroquine       | vi) Noscapine        |
| vii) Dapsone         | viii) Nalidixic Acid |
| ix) Propylthiouracil | x) Troxidone         |

**Section C**

Attempt any two.

Q5. What are vitamins? Give a detailed account of fat soluble vitamins.

16

Q6. Discuss the drugs used in the treatment of Diuretics.

16

Q7. Write short notes on any two:

2 X 8=16

- i) Local Anaesthetics
- ii) Antitubercular
- ii) Antacids

Q8. What are Nonsteroidal Anti-inflammatory Agents? Give a detailed account of nonsteroidal anti-inflammatory agents.

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