

STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI 600 086
(For candidates admitted from the academic year 2015-16)

SUBJECT CODE: 15CH/UI/DD23

B.Sc. DEGREE EXAMINATION, APRIL 2018
BRANCH IV - CHEMISTRY
SECOND SEMESTER

Reg. No

COURSE : INDEPENDENT ELECTIVE
PAPER : DRUGS AND DISEASES
TIME : 30 MINUTES

MAX. MARKS: 30

SECTION - A

TO BE ANSWERED ON THE QUESTION PAPER ITSELF.
ANSWER ALL THE QUESTIONS.

(30x1=30)

I. Choose the correct answer;

30 x 1 = 30

- Which of the following is air borne disease?
a) TB b) Cholera c) Influenza d) Typhoid
- Dettol is used as _____.
a) Antiseptics b) Disinfectants c) Antacid d) Analgesics
- An example for hematological agent is _____.
a) Vitamin C b) Vitamin D c) Vitamin K d) Vitamin A
- Epilepsy is a disorder of _____.
a) Respiratory system b) Nervous system c) Digestive system d) Vascular system
- Which one of the following is used as a narcotic analgesic?
a) Ether b) Chloroform c) morphine d) Halothane
- Aspirin is used as a/an _____.
a) Antiemetic b) Antipyretic c) Anaesthetic d) Antineoplastic
- Radioactive isotopes are used for treating _____.
a) Cancer b) Aids c) Fever d) Diabetes
- HIV is a/an _____.
a) Bacteria b) Virus c) Enzyme d) Fungi
- The chemical compound in Aspirin is _____.
a) Phenol b) acetyl salicylic acid c) salicylic acid d) benzoic acid

10. The drug derived from living matter or microorganism which either prevent the growth of other microorganism or destroy them

- a) Antibiotics b) Plasma c) Bacteria d) Hormone

II. Fill in the blanks

11. The most widely used antipyretic drug is _____.
12. _____ causes bacillary dysentery while _____ - causes amoebic dysentery
13. The structure of paracetamol is _____.
14. Nitroglycerine can be used as _____.
15. Cocaine is used as _____.
16. ^{131}I is useful in treating _____ cancer.
17. Barbiturates are used as _____.
18. Thrombin and prothrombin are involved in the mechanism of _____ of blood
19. Asthma is a disorder of _____ system
20. Antineoplastic agents are used in the treatment of _____

III. Match the following:

- | | |
|-----------------------|----------------|
| 21. Cardiac glycoside | Antineoplastic |
| 22. Morphine | Hypnotics |
| 23. Measles | Analgesic |
| 24. Barbiturates | Air borne |
| 25. Digoxin | Streptomycin |
| | Antibiotics |

IV. Answer in a Line or Two

26. Therapeutic index.
27. Mention any two sugar substitutes available in the market
28. Mention any two antihypertensive agents.
29. Name an example of a tranquilizer.
30. Why should aspirin be not taken on empty stomach?

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SECTION B.

Answer any five questions

(5 x 6=30)

- Discuss the causes, symptoms and treatment of
a) Hypertension b) Cholera
- Why are some drugs over-the-Counter and others Prescription drugs? Give examples.
- Describe the following with suitable example.
a) Antihistamines b) antibiotics
- What is AIDS, explain the steps taken to prevent the spread of AIDS
- Explain the mechanism involved in clotting of blood
- Give the symptoms of Jaundice and what causes it?
- Classify and enumerate the advantages / disadvantages of any two anesthetics

SECTION C.

Answer any two questions

(2 x 20=40)

8. a) Define i) Therapeutic Index ii) Pharmacodynamics iii) Pharmacokinetics
iv) Bacteria v) toxicology (10)
b) Give the symptoms, remedy and care to be taken to prevent the spread of
Tuberculosis (10)
9. a) Write short notes on
(i) Antineoplastics (ii) Hypnotics and sedatives (iii) Calcium blockers. (10)
b) What is epilepsy and what are the steps to be taken when a person has an episode? (4)
c) What are the causes of anemia? How it can be controlled? (6)
10. Write the applications of the following
(i) Paracetamol (ii) Brufen (iii) Pencillin
(iv) Aspirin (v) Nitrous oxide (vi) Amoxycillin (vii) Antacids