

STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI-86
(For candidates admitted during the academic year 2011-12)

SUBJECT CODE: 11CH/PE/MH34
M.Sc. DEGREE EXAMINATION, NOVEMBER 2012
BRANCH IV- CHEMISTRY
THIRD SEMESTER

REG.NO

COURSE: ELECTIVE

PAPER : MEDICINES AND HEALTH CARE

TIME : 30 MINUTES

MAX.MARKS : 20

SECTION – A (20x1=20)

ANSWER ON THE QUESTION PAPER ITSELF.

Answer all the questions.

I Choose the correct answer:

- Clinically used drugs are
 - directly present in natural substances
 - directly present in artificial substances
 - discovered through lead compounds
 - discovered from undesired compounds
- Coumarine is a good oral
 - anticoagulant
 - antihypertensive substance
 - antidiuretic
 - antipyretic
- Which of the following is not an anaesthetic agent
 - Chloroform
 - Ether
 - ethane
 - Halothane
- Chloramphenicol was discovered from a culture of
 - Streptomyces griseus
 - Streptomyces venezuelae
 - Bacillus subtilis
 - Klebsiella pneumonia.

II Fill in the blanks:

- Quinine is extracted from the _____ of the cinchona tree.
- Nitrites and adrenergic blocking agents are good _____ agents.
- Benign or _____ tumours do not develop into cancer.
- _____ is a narcotic analgesic obtained from poppy see.

III Match the following:

- | | |
|-------------------------------------|--|
| 9. Antipsychotic drug | a) are streptomycin and isoniazide. |
| 10. Anti-tuberculosis drugs | b) roscillin, broacil |
| 11. Megaloblastic anaemia | c)do not cause hypnosis or anaesthesia. |
| 12. Broad spectrum antibiotic drugs | d) deficiency of Vitamin B ₁₂ . |

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TIME : 2½ HOURS

MAX.MARKS : 80

SECTION – B

(5x8=40)

Answer any five questions:

1. Classify drugs according to their biological and chemical aspects.
2. Write a note on water-borne diseases.
3. What is the role of cardiac glycosides in the treatment of cardiovascular diseases.
4. Differentiate disinfectants and antiseptics with suitable examples.
5. Write a detail note on the activity and uses of aspirin, paracetamol, ibuprofen and pethidine.
6. Explain the hormone therapy and radioactive isotope treatment for cancer.
7. Give an account on the uses and limitations of sulphur drugs.

SECTION – C

Answer any two questions.

(2x20=40)

8. Classify antibiotics and give the therapeutic uses of any four antibiotic drugs.
9. What are the methods of administering anaesthesia? Give the advantages and disadvantages of anaesthetic drugs.
10. Write short notes on: a) AIDS
b) Communicable and non-communicable diseases.
