



TECHNICAL UNIVERSITY OF MOMBASA

FACULTY OF APPLIED AND HEALTH SCIENCES

DEPARTMENT OF MEDICAL SCIENCES

UNIVERSITY EXAMINATION FOR:

DIPLOMA IN PHARMACEUTICAL TECHNOLOGY

APM 2319 SOCIAL AND ADMINISTRATIVE PHARMACY VI
SUPPLEMENTARY/ SPECIAL EXAMINATION

SERIES: SEPTEMBER 2018

TIME: 2 HOURS

DATE: Pick Date Sep 2018

Instructions to Candidates

You should have the following for this examination

-Answer Booklet, examination pass and student ID

This paper consists of three Section(s). Attempt All questions in section A and B and any two questions in section C.

Circle the correct answer in section A.

SCECTION A

1. Which of the following statement best describes an “enrolled pharmaceutical technologist”;
 - a) “enrolled pharmaceutical technologist” means a pharmaceutical technologist whose name appears on the roll;
 - b) “enrolled pharmaceutical technologist” means a pharmaceutical technologist whose name appears on the register;
 - c) “enrolled pharmaceutical technologist” means a pharmaceutical technologist whose name appears on both the roll and the register;

- d) “enrolled pharmaceutical technologist” means a pharmaceutical technologist whose name is registered;
2. The best way to describe the Pharmacy and Poisons Act is TRUE for one of the following statements;
- a) An Act of Parliament to make better provision for the control of the profession of pharmacy and the trade in drugs and poisons
 - b) An Act of the Constitution to make better provision for the control of the profession of pharmacy and the trade in drugs and poisons
 - c) An Act of the Ministry of Health to make better provision for the control of the profession of pharmacy and the trade in drugs and poisons
 - d) An Act of Parliament to make better provision for the control of the profession of Health and the trade in drugs and poisons
3. One way to prevent problems and provide safety for employees and employers at the work place is to follow the acronym “SAFE”. One of the terms below is not TRUE;
- a) S- spot the problem
 - b) A-Accept the Risk
 - c) F-Fix the Problem
 - d) E-Evaluate Results
4. Pharmacovigilance is one of the core functions of the Board whose role is to
- a) Monitor profitability in drug sales
 - b) Monitor drug adverse reactions
 - c) Monitor irrational drug use
 - d) Educating pharmacists on drug use
5. There shall be a Board of Management for the Laboratory which shall consist of
- a) nine members
 - b) five members
 - c) seven members
 - d) ten members
6. The following persons may be in possession of Part I poisons, except
- a) A wholesale dealer licensed under section 27, for the purposes of the license and on the premises so licensed;

- b) An authorized seller of poisons, on premises not registered under section 23;
 - c) A person licensed under section 28 to sell poisons for mining, agricultural or horticultural purposes for the purposes of the license and on premises so licensed;
 - d) A person, institution, or department, to whom a Part I poison has been lawfully sold in accordance with section 29, for the purpose, for which the sale was made.
7. The following persons may be in possession of Part I poisons, except
- e) A wholesale dealer licensed under section 27, for the purposes of the license and on the premises so licensed;
 - f) An authorized seller of poisons, on premises not registered under section 23;
 - g) A person licensed under section 28 to sell poisons for mining, agricultural or horticultural purposes for the purposes of the license and on premises so licensed;
 - h) A person, institution, or department, to whom a Part I poison has been lawfully sold in accordance with section 29, for the purpose, for which the sale was made.
8. The following persons may be in possession of Part I poisons, except
- i) A wholesale dealer licensed under section 27, for the purposes of the licence and on the premises so licensed;
 - j) An authorized seller of poisons, on premises not registered under section 23;
 - k) A person licensed under section 28 to sell poisons for mining, agricultural or horticultural purposes for the purposes of the license and on premises so licensed;
 - l) A person, institution, or department, to whom a Part I poison has been lawfully sold in accordance with section 29, for the purpose, for which the sale was made.
9. Some of the most important drug disposals recommended for pharmaceutical wastes is mentioned below. Which one is not valid?
- a) Immobilization
 - b) Incineration
 - c) Recycling
 - d) Landfills
10. A certificate of registration of a drug, unless earlier suspended or revoked is valid for up to;
- a) Two years
 - b) One year
 - c) Five years

- d) Ten years
11. One of the following is not a valid legal requirements for a prescription
- a) Directions for use
 - b) Date of dispensing
 - c) Name and address of the patient
 - d) Signature of the prescriber
12. Cap 244 of the laws of Kenya restricts advertisement of drugs for the following purposes except ,
- a) Drugs for cure of HIV and AIDS
 - b) Drugs listed as part II poisons
 - c) Drugs for the cure of STD e.g. syphilis
 - d) Drugs for cure of organic ailments e.g. cancer
13. Which of the following is true of schedule IV group 1 poisons according to Cap 244?
- a) Part 1 poisons
 - b) Over the counter drugs
 - c) Prescription only medicines
 - d) Poisons required to be specifically labeled for transport
14. A poisons list according to Chapter 244 of the laws of Kenya is prepared by,
- a) The Registrar
 - b) The Board
 - c) The Cabinet secretary for Health
 - d) The Director of Medical services
15. The quorum of the Pharmacy and Poisons Board proceedings shall have;
- a) Five, of whom three shall be pharmacists
 - b) Five, of whom three shall be pharmaceutical technologists
 - c) Five, of whom two will be pharmacists and one veterinary surgeon
 - d) Five, of whom one will be a pharmacist and two pharmaceutical technologists
16. A team of four Pharmacists will be appointed by the Cabinet secretary from a panel of names submitted by the Pharmaceutical Society of Kenya to the Pharmacy and Poisons board, except;
- a) One shall be from the Civil Service.

- b) One from the non-governmental organizations
 - c) One shall be from the community pharmacy.
 - d) One from the pharmaceutical industry
17. The following are some of the reasons for having the occupational, health and safety in regard to employees apart from;
- a) Eliminates possible danger
 - b) Safeguard employee productivity
 - c) Means to reduce workplace processes
 - d) Protect employee rights and Maintain worker health.
18. When a prescription is presented for dispensing at a pharmacy, the following should be observed except;
- a) The pharmacist should receive it and its therapeutic efficiency, its merits and demerits discussed with the patient.
 - b) The Pharmacist should not show any expression of alarm or astonishment upon the receipt of the prescription.
 - c) Any questions on the prescription should be answered with caution and care.
 - d) It neither should offend the patron nor should it disclose any information, which might have been intentionally, withheld from him.
19. Causes of errors in medication can be attributed to the following except;
- a) Work load or high prescription volume
 - b) legible handwriting
 - c) Distraction
 - d) Look-alike/ sound-alike drug name.
20. The following describes the best definition for Common law:
- a) A branch of the law of England which was developed from customs, usages and practices of the English people
 - b) A branch of the law of USA, which was developed from customs, usages, and practices of the American people.
 - c) A branch of the law of Kenya, which was developed from customs, usages, and practices of the African people.

- d) Is that law practiced by the local “indigenous’ people of Kenya from their customs, usages and traditions.
21. An “authorized officer” according to Chapter 244 is NOT one of the following individuals;
- a) Registrar, pharmaceutical analyst,
 - b) Pharmaceutical inspector,
 - c) A medical officer,
 - d) An inspector of health
22. One of the core Employer Responsibilities under occupational, Health and Safety Act is to provide the following except;
- a) A safe working environment
 - b) Safe systems of work
 - c) Facilities for the welfare of the employer
 - d) Any information, instruction, training, or supervision needed to ensure workers safety.
23. Registration of Drugs and medical devices is a core function of ;
- a) Board
 - b) National quality laboratory council
 - c) Pharmacovigilance
 - d) The Director of medical services
24. Members appointed to the Pharmacy and Poisons Board by the Cabinet Secretary for Health will hold the office for a period lasting;
- a) Two years.
 - b) One year
 - c) Three years
 - d) Four years
25. The National Quality Control Laboratory is under chapter 244, Section 35 of the Laws of Kenya. There shall be a Board of Management for the national quality Laboratory which is appointed by
- a) Cabinet secretary
 - b) Director of Medical Services
 - c) The Board

- d) The national laboratory council
26. The list of poisons to be prepared under Section (20) in question 28 above shall be divided into;
- a) Three parts
 - b) Two parts
 - c) One part
 - d) Four parts
27. No person shall carry on the business of a pharmacist unless
- a) The name and certificate of the pharmacist is conspicuously displayed in the premises
 - b) The name and certificate of registration of the pharmacist is conspicuously displayed in the premises
 - c) The name and certificate of the laboratory technologist is conspicuously displayed in the premises
 - d) The name and certificate of the pharmaceutical technologist is conspicuously displayed in the premises
28. About guidelines for waste pharmaceutical materials, the following statements are considered true. Which one is False?
- a) Materials should not be allowed to accumulate
 - b) Materials should be collected in suitable receptacles for removal to collection points outside the building
 - c) They should be disposed of safely and in a sanitary manner at irregular and infrequent intervals.
 - d) Toxic substance and flammable materials should be stored in suitably designed, separate, enclosed cupboards as required by national legislation
29. The following pharmaceutical wastes require specialized methods for their disposal except;
- a) Cytotoxic waste
 - b) Anti-infective agents
 - c) Diluted syrups and antiseptics
 - d) Biomedical wastes
30. Which of the following is not recorded in a poisons book register;

- a) Signature of the purchaser
 - b) Date of sale
 - c) Name and quantity of the poisons sold
 - d) Name and address of the patients
31. Cap 245 of the laws of Kenya deals with
- a) Toxic and cytotoxic drugs.
 - b) Prescription only medicines
 - c) Narcotic and psychotropic drugs
 - d) Chemotherapeutic drugs
32. The following statements are true about a medical representative except;
- a) Records the name of the company that supplied the poison
 - b) Must be in possession of a medical representative permit
 - c) Record the date on which the poison was issued
 - d) Record the name and quantity of the poison supplied
33. An authorized seller of poisons may sell part 1 poisons to all of the following people except,
- a) A medical student in the institutions of learning without a written prescription
 - b) A person in possession of a prescription from duly qualified medical practitioner
 - c) A person in possession of a written certificate issued by the pharmacy and poisons Board
 - d) A person lawfully carrying on the business of a wholesaler in poisons in Kenya
34. There shall be a registrar of the Board who shall be the Chief Pharmacist, whose functions will include **one** of the following;
- a) The registrar shall keep a Roll of pharmacists in the prescribed form.
 - b) The Registrar shall keep a Register of pharmaceutical technologists in the prescribed form.
 - c) The registrar shall keep a register of pharmacists in the prescribed form.
 - d) The Registrar shall keep a record of pharmaceutical technologists in the prescribed form.
35. The Pharmacy and Poisons Board shall be a body corporate with perpetual succession and a common seal, and shall have powers to;
- a) Suing and being sued;

- b) Acquiring, holding and disposing of property;
 - c) Borrowing and lending money.
 - d) Participating in PSK elections
36. The Pharmacy and Poisons Board shall consist of the following persons—as appointed by the cabinet secretary apart from;
- a) The Director of Medical Services who shall be the Chairman;
 - b) The Chief Pharmacist;
 - c) The Chief nursing Officer
 - d) The Director of Veterinary Services or a veterinary surgeon nominated by him.
37. In regard to Patient Centered Care (PCC), one of the following statements is not true about the pharmacists role/relationship
- a) Understand the illness experience of the patient.
 - b) Perceive each patient's experience as unique.
 - c) Foster a equal relationship with patients.
 - d) Build a non-therapeutic alliance with patients to meet mutually understood goals of therapy.
38. The code of conduct for a pharmacist/ pharmaceutical technologist is to be able to carry the following obligations and privileges, except;
- a) Development and use professional knowledge and skills for the benefit of those who seek professional services,
 - b) Maintain good professional relationships with others
 - c) Act in a way that promotes confidence and trust in the pharmacy professions.
 - d) Promote entrepreneurial skills in pharmaceutical technology
39. The phrase sources of law literally means where rules of law are found. However, the phrase has been used in a variety of senses. It has been used to describe the following except;
- a) The origins of the rules and principles, which constitute the law applicable in a country at a given time
 - b) The source of force or validity of the various rules or principles applicable as law in a country
 - c) The materials from which rules of law were developed
 - d) The factors, which do not influence the development of the rules of law

40. The following institutions form part of the sources of law in Kenya, except;
- a) The constitution
 - b) Customary law
 - c) The parliament
 - d) Delegated legislation

SECTION B 40 MARKS

Answer all questions

41. The Board prepares a Poisons register. Mention the parts in which the register is divided and why 4 marks
42. Mention some of the methods used in disposal of pharmaceutical wastes 4 marks.
43. Mention some of the methods used in disposal of pharmaceutical wastes 4 marks.
44. Mention any four causes of errors in dispensing 4 marks
45. List the members of the Board as appointed by the minister 4 marks
46. List FOUR functions of the Pharmacy and Poisons Board- 4 marks
47. Who is an Authorized officer according to the Pharmacy and Poisons Board 4 marks
48. List the four Pharmacists to be appointed by the Cabinet secretary to the Board 4 marks
49. List the four Pharmacists to be appointed by the Cabinet secretary to the Board 4 marks
50. List any four codes of conduct for a pharmacist 4 marks

SECTION C 40 MARKS

Answer any two questions from this section

51. List some of the pharmaceutical wastes that require special disposal methods (20 marks)
52. The Cabinet Secretary for ministry Health has the powers to appoint members of the Pharmacy and Poisons Board. Who are these members? Discuss. (20 marks)

53. The profession of pharmacy is directly related to the public health care and therefore the attitude of service and sacrifice in the interest of society should be there in the conduct of this profession. Discuss this statement under the following titles/ headings 20marks
- i. Handling of Prescriptions
 - ii. Handling of drugs
 - iii. Pricing structure
 - iv. Hawking of drugs
 - v. Purchase of drugs
54. Discuss the importance of the Occupational, Health and Safety Act to the employees and employers 20 marks
55. The government of Kenya has many places that it uses to pass and amend the laws to be followed by the citizens of the country. List some of the major sources of law in the country. (20 marks)
56. The Pharmacy and Poisons Act is “An Act of Parliament to make better provision for the control of the profession of pharmacy and the trade in drugs and poisons.” Mention and discuss the various functions of the pharmacy and Poisons Board under this Act. (20marks)
57. Advertisement for poisons listed under part I and part II are not allowed unless otherwise stipulated. Discuss. 20 marks
58. Discuss the functions of the Registrar of the Pharmacy and Poisons Board as provided under chapter 244. 20 marks
59. Waste management is the collection, transport, processing, recycling, or disposal of waste materials. Discuss some of the various methods employed in drug disposal of pharmaceutical wastes. 20 marks
60. As a pharmacist practicing in Kenya, what codes of conducts would you consider important to uphold? Discuss. (20 marks)