



TECHNICAL UNIVERSITY OF MOMBASA

FACULTY OF APPLIED AND HEALTH SCIENCES

DEPARTMENT OF MEDICAL SCIENCES

UNIVERSITY EXAMINATION FOR:

DIPLOMA

AML 2105: LABORATORY ETHICS AND LAW

SPECIAL SUPPLEMENTARY EXAMINATION

SERIES: August 2017

TIME: 2 HOURS

DATE: SEPT 2017

Instructions to Candidates

You should have the following for this examination

-Answer Booklet, examination pass and student ID

This paper consists of Choose No choose Sect/Quest. Attempt Choose instruction.

Circle the correct answer in section A.

1. The following include some of the principles of Helsinki Declaration
 - a. the review of procedures by independent ethics committee
 - b. informed consent was unnecessary
 - c. animal experimentation was not necessary
 - d. risks may exceed benefits for the good of all
2. which of these are considered vulnerable groups in the constitution of Kenya within society?
 - a. persons working in the mines
 - b. casual laborers
 - c. older members of society
 - d. communities living in rural
3. What are living wills?
 - a. Documents of assets that the patient gives to the hospital in the event they are unable to pay their bill
 - b. A legal document stating types of treatment the patient does or does not want in the event of a comatose state.
 - c. a spouse or next of kin who can make decision on behalf of the patient
 - d. a legal document that states declares the distribution of wealth to the next of kin in the event of death.
4. legally a physician can terminate the care of a patient under the following conditions

- a. Faith and religious affiliation
 - b. failure to keep appointments
 - c. No improvement
 - d. On request by the spouse
5. Nuremberg and Helsinki basic principles agree with all of the following except?
- a. Good results for the good of the society
 - b. Collaborative research
 - c. research be conducted by qualified persons
 - d. use of experimental animals before humans
6. All Medical Laboratories Scientific Officers shall
- a. Not safeguard the dignity and privacy of patients.
 - b. Be responsible for follow-ups
 - c. Be accountable for the delivery of quality medical laboratory services.
 - d. Not be responsible for publishing their research findings
7. Universal declaration on bioethics and human rights addresses the following salient principles except?
- a. Respect for human dignity, human right and fundamental freedoms
 - b. The interest of the science or society should have priority over the welfare of the individual
 - c. Minimization of harm
 - d. The right to refuse to participate in research
8. KMLTTB was enacted in which year?

- a. 1999
- b. 2000
- c. 2003
- d. 1979

9. Disclosure maybe inevitable under which of these conditions?

- a. Information regarding an abuse
- b. Family proceedings by village elder.
- c. information in cases for protection of a spouse
- d. when dealing with incompetent clients

10. Ethics can be defined as?

- a. the basic concepts and fundamental principles of right human conduct.
- b. is a standard of dressing .
- c. is a rule of conduct or action for the sake of order and peace
- d. Moral values

11. Why is informed consent important?

- a. It gives researchers a difficult time so that they can find alternative methods of study
- b. Gives the individuals control whether to participate in clinical research or not
- c. It regulates the amount of data and information churned into the science field
- d. Allows participation only when the research will yield positive results

12. An informed participant is that who is/has?
 - a. Not informed of the purpose of research but is aware of her role in the study
 - b. Aware of the methods to be used only
 - c. Is accurately informed of their rights to withdraw from study when they wish to.
 - d. informed of the benefits of the study

13. The historically first international guideline pertaining to research involving human participants was the:
 - a. Declaration of Helsinki
 - b. Nuremberg Code
 - c. WHO Ethical Guideline
 - d. The Belmont report

14. Capacity to consent to trial participation may not be diminished by:
 - a. Source of research funding
 - b. Lack of understanding
 - c. Cultural barriers
 - d. Situational pressure

15. CIOMS/WHO guidelines require that control arm participants generally receive:
 - a. the best current method
 - b. an established effective intervention in use at the time

- c. coercion
 - d. none of the above
16. The phrase 'civil law' refer to...?
- a. Means by which the state can prosecute the perpetrator.
 - b. Law that governs affairs between sovereign states e.g military action
 - c. crimes against the state
 - d. crimes against the person
17. A person's contractual capacity refers to?
- a. The extent to which that person can enter into a legally binding contract.
 - b. The formalities that the person must adhere to in order to create a legally binding contract.
 - c. The number of contracts that person is allowed to enter into.
 - d. The documentation person must provide in order to create a legally binding contract.
18. The following are roles of the registrar except?
- a. Registration of members
 - b. Gazette all members every once a year
 - c. Chairs the affairs of the board
 - d. Is the secretary of the disciplinary committee
19. What code of ethics is applicable to HIV testing?
- a. Safeguard patient identity
 - b. Compensation for voluntarily declaring publicly their HIV status
 - c. None is applicable to HIV testing
 - d. Safeguard the dignity
20. The following statements are true about the Science and Technology act (chapter 250) except?
- a. Commencement date was 1st July 1997

- b. Provides regulatory framework for biomedical research.
- c. provides for dissemination of data of clinical trials only
- d. provides for dissemination of all data generated in biomedical research

21. Invasion of privacy can be used to mean?

- a. Causing another person to feel threatened
- b. Damaging a person's reputation by making a public statement.
- c. Interference with a person's right to be left alone.
- d. Interfering with one's family affairs

22. The appropriate example of negligence by a medical officer include?

- a. Delaying treatment
- b. Making an error in diagnosis
- c. Making an error in who to attend to first in an emergency
- d. All of the above

23. The elements of a contract include the following

- a. Witnesses
- b. Written evidence
- c. Contractual Capacity
- d. Description of the parties

24. KMLTTB roles include which of the following?

- a. To approve or disapprove the courses of instruction for laboratory technicians and technologists.
 - b. To consider and approve the qualifications of laboratory technicians and technologists for the purposes of registration under this Act.
 - c. To approve institutions for the training of high school and tertiary laboratory technicians and technologists.
 - d. To license and regulate the private business
25. Biomedical research before ethics involved :-
- a. Money
 - b. Free participation
 - c. Designed to terminate in fatal outcome
 - d. Review of protocol before commencement of study
26. The purpose of the general provisions relating to the bill of rights includes?
- a. to promote communism and destroy dictatorship
 - b. to promote dictatorship
 - c. preserving the dignity of individuals and communities
 - d. To protect citizens from bad leadership
27. In relation to mental incapacity, which ONE of the following statements is true?
- a. A contract entered into by a mentally incapacitated person is void
 - b. A mentally incapacitated person can enter into a binding contract for the purchase of shares
 - c. Mentally incapacitated persons are always bound by the contracts they enter into.
 - d. They do not belong to the state
28. Acceptable Colour code for Non-infectious/non hazardous (Non-clinical) is

- a. Black plastic bag
 - b. yellow Strong leak proof-plastic bag or container
 - c. red box with biohazard symbol
 - d. green plastic bag
29. To be able to commence with a malpractice suit,
- a. Patients must prove that they suffered injury
 - b. Patients must prove that the physician complied with standards of the profession.
 - c. Patients must show that a physician-patient relationship existed.
 - d. Patients must not show that any damages were direct cause of treatment.
30. The consent form must contain the following except?
- a. Contact Information
 - b. Termination of Participation
 - c. Risks
 - d. Financial ability of the participant.
31. This is true of Tort laws
- a. Does not provide for compensation from the person who caused the injury.
 - b. May include acts that are committed with no intent to cause harm with a disregard for the consequences.
 - c. provides law on the protection of human rights
 - d. Provides law governing the election of political representatives.
32. The Kenyan constitution defines a child as anyone below the age of?
- a. 16
 - b. 25
 - c. 18
 - d. 35
33. All of the following are the responsibility of the disciplinary committee in KMLTTB except?
- a. Inquire into any disciplinary matter referred to it by the Board

- b. To prosecute the members found guilty
 - c. Lift the suspension and restore to the lab tech, his registration
 - d. To handle disciplinary cases of private practicing members.
34. What is your understanding of Simple Contracts?.
- a. These are contracts whose formation is not subject to any legal formalities.
 - b. these are contracts that is subject to legal formalities
 - c. these are not inclusive of written conduct of the parties
 - d. they must have a witness of both parties present
35. Minors and persons with diminished autonomy can be consented by?
- a. Consent can be waived, as it is not necessary
 - b. The police
 - c. A social worker
 - d. Legal guardians
36. The following statements are true about the Science and technology act (chapter 250) except?
- a. Commencement 1st July 1997
 - b. Provides regulatory framework for biomedical research.
 - c. Does not provides regulatory framework for ethical approval
 - d. provides for dissemination of data use in research development
37. The Practicing certificate must have all of the following except?
- a. State house seal
 - b. place of business
 - c. registration number
 - d. date of his registration
38. Removal of names from register can be done by the registrar under the following condition except?
- a. When charged with a criminal offence
 - b. Failure of payment of renewal fee
 - c. Deceased
 - d. When one enters into partnership

39. The KMLTTB act provides that the registrar of the board must be....
- a. The chief medical laboratory technologist in the ministry
 - b. A lecturer at the university and practicing
 - c. 35 years and above
 - d. Registered by other medical boards
40. To qualify for registration one must have
- a. Properly trained by an institution of higher learning
 - b. Must have successfully attended a Bachelor course in medical laboratory sciences
 - c. has shown potential to be a successful entrepreneur in the field of laboratory science
 - d. Paid the prescribed registration fee.

Section B

41. Discuss the 10 principles of the Nuremberg code 20 marks
42. Explain any 5 work ethics governing the medical laboratory scientist 20 marks
43. Explain the functions of KMLTTB and the duties of the registrar. 20 marks.