



**TECHNICAL UNIVERSITY OF MOMBASA**

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**FACULTY OF APPLIED AND HEALTH SCIENCES**

**DEPARTMENT OF MEDICAL SCIENCES**

**UNIVERSITY EXAMINATION FOR:**

**DEGREE OF MEDICAL LABORATORY SCIENCES**

**AML 4105: LABORATORY LAW AND ETHICS**

**END OF SEMESTER EXAMINATION**

**SERIES: DECEMBER 2016**

**TIME: 2 HOURS**

**DATE:** Pick Date Select Month Pick Year

**Instructions to Candidates**

You should have the following for this examination

-Answer Booklet, examination pass and student ID

This paper consists of **TWO** Section(s). Attempt **ALL** questions.

**Circle the correct answer in section A.**

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Section A (40 MKS)

1. Which of the following principles talks about doing no harm to research participants
  - a) Justice
  - b) Respect for persons
  - c) Beneficence
  - d) Nonmalficence
  - e) Morality
2. Equal treatment of persons is captured in which principle
  - a) Autonomy
  - b) Justice
  - c) Beneficence
  - d) Nonmalficence
  - e) Values
3. The following leads to someone getting deregistered EXCEPT?
  - a) Has been convicted of an offence punishable by imprisonment,
  - b) Has been guilty of negligence
  - c) Has been guilty of misconduct in respect of his calling, it may refer the matter to the Disciplinary Committee.
  - d) Has been guilty of professional misconduct in respect of his calling

- e) None of the above
4. Which of the following documents are not submitted to the auditor general by the board
    - a) The accounts of the Board together with
    - b) A list of all registered members
    - c) A statement of income and expenditure during the year
    - d) A statement of the assets only of the last day of that year
    - e) A statement of the assets and liabilities of the last day of that year
  5. Who is a promissor
    - a) The person offering a contract
    - b) The person receiving a contract
    - c) The attorney
    - d) Chief justice
    - e) All of the above
  6. Types of ethical norms include the following EXCEPT?
    - a) Good research design
    - b) Competent investigators
    - c) A favorable balance of harm and benefit
    - d) Lack of informed consent
    - e) None of the above
  7. Which of the following is true about informed consent
    - a) Should be given only at request of participants
    - b) Is a legal document
    - c) Should only be given to adults
    - d) It has little importance
    - e) Should not be given at all
  8. Which of the following is not true about profession
    - a) An occupation requiring advanced training
    - b) Self-policing
    - c) Professional: worthy of the high standards of that profession
    - d) All of the above
    - e) None of the above
  9. The Nuremberg code was formed due to the following EXEPT
    - a) Nazi experiments
    - b) Japanese experiments on the Chinese
    - c) Early experiments on humans
    - d) All of the above
    - e) None of the above
  10. Which of the following reports summarize the principles of ethics into three point
    - a) Belmont report
    - b) Nuremberg code
    - c) CIOMS
    - d) ICH
    - e) None of the above
  11. Fairness in distribution is captured in which of the following principles
    - a) Beneficent
    - b) Autonomy
    - c) Justice

- d) Nonmalficence
- e) None of the above

12. During emergency research

- a) Community consent is required
- b) Only individual consent required
- c) Both community and individual consent required
- d) Consenting is not done at all
- e) All of the above

13. Which of the following is not an example of the NAZI experiments

- a) Yellow fever
- b) Malaria infections
- c) Plague bombs
- d) Typhus infections
- e) All of the above

14. The following have diminished autonomy EXCEPT?

- a) Children
- b) Expectant mothers
- c) Elderly
- d) Young adults
- e) Prisoners

15. The following is true about an autonomous person EXCEPT

- a) Consider the potential harms of a situation
- b) Analyze how those risks and potential benefits relate to his or her personal goals and values
- c) Rely on someone to make decisions
- d) Take action based on that analysis
- e) Consider benefits of a situation

16. The following is true about the right to freedom of expression EXCEPT?

- a) Meeting in large groups
- b) Propaganda of war
- c) Advocacy of hatred
- d) Terrorism
- e) Hate speech

17. The following relations lead to contracts undue influence EXCEPT?

- a) Religious guru and a faithful
- b) A parent and a child
- c) A doctor and a patient
- d) All of the above
- e) None of the above

18. Which of the following statements is true about ETHICS?

- a) The principles of morality, including doing evil
- b) The rules of conduct recognized in respect to a particular class of people
- c) Moral principles, as of an individual
- d) The science of the human character and lack of responsibility

- e) None of the above
19. Which of the following does not appear on the MLTT certificates
- a) Year of registration
  - b) National government seal
  - c) Registration number
  - d) Signature of applicant
  - e) Name of applicant
20. The following is true about the powers of the board EXCEPT?
- a) Withdraw
  - b) Renew any practicing certificate
  - c) Cancel practicing certificate
  - d) All of the above
  - e) None of the above
21. Which of the following can lead to disciplinary actions by the board
- a) Prompt renewal of practicing certificate
  - b) Trained technologists
  - c) Yearly subscriptions
  - d) Defacing the certificate
  - e) None of the above
22. Which of the following is not a legal document
- a) Consent
  - b) Practicing Certificate
  - c) Contract
  - d) All of the above
  - e) None of the above
23. Which of the following statements is NOT TRUE to be in private practice, one should be
- a) A non Kenya citizen
  - b) Registered under MLTTB Act
  - c) Holds a valid practicing certificate
  - d) Holds an annual license issued under this Act
  - e) Holds other qualification as the Board may prescribe
24. Which of the following is true about coercion
- a) Should be allowed
  - b) Derails autonomy
  - c) It's beneficial
  - d) Improves autonomy
  - e) It's acceptable
25. How do you ensure confidentiality of laboratory results
- a) Use of admission numbers
  - b) Use of patient's names
  - c) Deliver sealed results
  - d) Placing in open
  - e) All of the above
26. Laboratory law and ethics is related to which of the following
- a) Epidemiology
  - b) Virology
  - c) Good clinical Laboratory Ethics

- d) Bacteriology
  - e) First aid
27. Which of the following statement is true
- a) KMLTTB controls all medical technologists in Kenya
  - b) The registrar is in charge of the board
  - c) KMLTB is a legal organization
  - d) All of theabove
  - e) None of the above
28. Which of the following statements is TRUE
- a) Laboratory technologists are covered by the constitution of Kenya only
  - b) Laboratory technologists work under the KMLTTB act
  - c) Laboratory technologists do not have a moral obligation to patients
  - d) Laboratory technologists work under AKMLSO
  - e) All of the above
29. Written contracts require evidence such as notes or memorandum must. These require the following EXCEPT
- a) Describe the parties sufficiently to identify them
  - b) Describe the subject matter
  - c) State the paying banks
  - d) Contain the signatures of the parties
  - e) All of the above
30. The MLTTB board has powers to do the following EXCEPT
- a) Determine the provisions to be made for capital and recurrent expenditure for the reserves of the Board
  - b) Receive any grants, gifts, donations or endowments
  - c) To make legitimate disbursements there from
  - d) Open a banking account or banking accounts for the funds of the Board
  - e) None of the above

Section B (40mks)

31. i. Describe the principle of justice 10mks

ii. Describe qualification for private practice and duration for practicing certificate 10mks

i. Describe the principle of autonomy in the following groups 20mks