



RAN - 1803000201030071



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F. Y. B. Sc. (Sem. - I) Examination

March - 2023

MLT:01 - Organization of Clinical Laboratory

સૂચના : / Instructions

(1)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the details of signs on your answer book

Name of the Examination:

F. Y. B. Sc. (Sem. - I)

Name of the Subject :

MLT:01 - Organization of Clinical Laboratory

Subject Code No.: **1803000201030071**

Seat No.:

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Student's Signature

(2) All questions are compulsory.

***O.M.R. Sheet ભરવા અંગેની અગત્યની સૂચનાઓ આપેલ
O.M.R. Sheetની પાછળ છાપેલ છે.***

***Important instructions to fillup O.M.R. Sheet
are given on back side of the provided O.M.R. Sheet.***

SET - 1 (A)

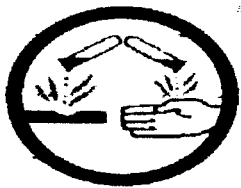
- Q. 1.** In a pathology laboratory, routine examination of CSF and Urine are categorized as estimation of,
- A. Low Complexity test B. High Complexity test
C. Moderate Complexity test D. Severe Complexity test
- Q. 2.** Which section should not be a part of a Standard Clinical Laboratory?
- A. Registration area B. Phlebotomy area
C. Intensive care units D. Fire prevention facilities
- Q. 3.** Which parameters are included in dipstick urine analysis?
- A. pH, Specific gravity, Glucose B. Protein, Ketone bodies
C. Bilirubin, Urobilinogen D. All of the above
- Q. 4.** CLIA stands for:
- A. Clinical Laboratory Involvement Act.
B. Central Laboratory Improvement Aid.
C. Central Laboratory Involvement Act.
D. Clinical Laboratory Improvement Act.
- Q. 5.** If the victim is on fire which materials cannot be used to put out fire?
- A. Coats B. Sheets
C. Plastics D. Towels
- Q. 6.** What is a key element in most of the diagnosis process?
- A. Clinical Laboratory tests B. Laboratory technician
C. Doctor D. Nurse
- Q. 7.** A standard clinical laboratory set up should include:
- A. Intensive care units B. Emergency wards
C. Operation theatres D. Storage and sanitization facilities

- Q. 8.** Pathogenic bacteria are identified in _____ department of clinical laboratory.
- A. Clinical pathology B. Microbiology
C. Biochemistry D. Hematology
- Q. 9.** Which of the following type(s) of Personal Protective Equipments(PPE) are frequently used?
- A. Safety glasses B. Gloves
C. Lab Coats D. All of the above
- Q. 10.** What is a hazard?
- A. Anything with the potential to cause harm.
B. Where an accident is likely to cause harm.
C. The likely-hood of something going wrong.
D. An Accident waiting to happen.
- Q. 11.** After a biohazard spill is covered with paper towels and disinfectant solution, it must sit for _____ minutes?
- A. 5 B. 60
C. 30 D. 20
- Q. 12.** Good laboratory practice is an essential element for _____.
- A. Quality Accordance Programme
B. Quick Assurance Programme
C. Quality Management Programme
D. Quality Assurance Programme
- Q. 13.** Which of the following is not a waste treatment method for biomedical wastes?
- A. Incineration B. Chemical disinfecting
C. Autoclaving D. Sieving
- Q. 14.** Which are common hazards in district laboratory?
- A. Unsafe premises and naked flame
B. Microbial, chemical, glassware and sharp hazards
C. Equipment and explosion hazards
D. All of the above

- Q. 15.** Broken glasses can cause all except:
- A. Cuts
 - B. Bleeding
 - C. Fire
 - D. Infection
- Q. 16.** What is the full form of NIH?
- A. Natural Institute of Health
 - B. National Inspiration for Health
 - C. National Institute of Health
 - D. Natural Inspiration for Health
- Q. 17.** Which organisms are included in BSL 1?
- A. *Escherichia coli*
 - B. *Bacillus subtilis* and *Bacillus megaterium*
 - C. Non-virulent strain of *Escherichia coli* and *Bacillus subtilis*
 - D. Ebstein Barr virus
- Q. 18.** Personal health and safety measures includes:
- A. Practice of personal hygiene
 - B. Wearing of protective clothing
 - C. Protective inoculations and medical examination
 - D. All of the above
- Q. 19.** In which of the following hazard is inhalation of aerosols included?
- A. Microbial hazard
 - B. Equipment hazard
 - C. Explosion hazard
 - D. Chemical hazard
- Q. 20.** What is the recommended temperature and time of the autoclave for decontaminating and disposing laboratory wastes?
- A. 180°C for 25 mins
 - B. 121°C for 15 mins
 - C. 191°C for 70 mins
 - D. 101°C for 100 mins

- Q. 21.** All are objectives of a laboratory health and safety programme except:
- A. To identify hazards in work place
 - B. To prepare but not implement a effective code of safe laboratory practice
 - C. All laboratory accidents are reported
 - D. To promote safety awareness

- Q. 22.** The given symbol represents.



- A. Fire explosion
 - B. Biohazard
 - C. Radiation hazard
 - D. Corrosive chemicals
- Q. 23.** What is not a component of First Aid Kit?
- A. 10g% iodine
 - B. A pair of scissors
 - C. Tincture iodine: 1 g% iodine in 95% alcohol
 - D. Disinfectant solution (Diluted Dettol)
- Q. 24.** Which equipment is used to eliminate or reduce aerosols and splattering of microorganisms?
- A. Face shield
 - B. Hot air oven
 - C. Incubator
 - D. Biological safety cabinet
- Q. 25.** Which viruses are classified in Biosafety level 4?
- A. Lassa
 - B. Ebolla
 - C. Marburg
 - D. All of the above

- Q. 26.** Full form of MLT is:
- A. Medical laboratory test
 - B. Medical Laboratory technology
 - C. Medical laboratory technician
 - D. Medical laboratory technologist
- Q. 27.** Communication with patients is required to _____.
- A. Prevent misunderstandings and errors
 - B. Feel patients secure
 - C. Make patients friend
 - D. All of the above
- Q. 28.** Ethics is:
- A. Professional and personal rules of conduct
 - B. Patient's right to information
 - C. Moral obligation towards human beings
 - D. All of the above
- Q. 29.** Following is not a test included in Hematology laboratory,
- A. Blood count
 - B. DLC
 - C. SGPT
 - D. ESR
- Q. 30.** Blood bank performs following tests except:
- A. Blood grouping
 - B. Blood typing
 - C. Compatibility testing
 - D. Bilirubin
- Q. 31.** Total HDL and LDL cholesterol estimation is included in:
- A. Kidney function test
 - B. Liver function test
 - C. Blood banking
 - D. Lipid profile test
- Q. 32.** It is not a job of the clinician is,
- A. Requests tests
 - B. Plans Therapy
 - C. Runs the tests and provide the results
 - D. Interprets results

Q. 46. Convert 500 mg into gram:

- A. 5
B. 0.5
C. 0.05
D. 50

Q. 47. Who had invented the pH Scale?

- A. S.P.L Sorenson
B. Benjamin Franklin
C. Henry Moseley
D. Wilhelm Rontgen

Q. 48. Which laboratory equipment is best suited for accurately measuring the volume of a liquid?

- A. Beaker
B. Conical flask
C. Graduated cylinder
D. Volumetric pipette

Q. 49. Newly purchased soft glassware should be treated with:

- A. 5% HCL
B. 10% HCL
C. 5% NaOH
D. 10% NaOH

Q. 50. It looks for the presence of any abnormal antibodies in patients blood?

- A. Pathology department
B. Serology department
C. Haematology department
D. Microbiology department
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SPACE FOR ROUGH WORK