

Online Examinations (Odd Sem/Part-I/Part-II Examinations 2021 - 2022)

Course Name - Laboratory Science

Course Code - BPA302

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Answer all the questions. Each question carry one mark.

10. 1. The maximum depth to perform a heel puncture on a newborn is:

Mark only one oval.

- 1.5mm
- 2.0mm
- 2.4mm
- 2.8mm

11. 2. Hemolysis may result from:

Mark only one oval.

- using a 25 gauge needle on an adult
- vigorously shaking the blood specimen
- leaving the tourniquet on for 3 minutes
- All of these

12. 3. The purpose of doing a differential is to:

Mark only one oval.

- determine the proportion of RBC in whole blood
- count the number of WBC's in whole blood
- determine the proportions of WBC's in whole blood
- All of these

13. 4. Blood samples for cell counts must be thoroughly mixed immediately before testing to:

Mark only one oval.

- prevent the clumping of platelets
- prevent the formation of small clots
- oxygenate the sample
- ensure even distribution of all blood components

14. 5. A blood specimen collected in a heparinized tube is centrifuged. It will separate into:

Mark only one oval.

- serum and clot
- plasma and clot
- serum and plasma
- plasma, buffy coat, RBC

15. 6. If a patient faints during a venipuncture, you should:

Mark only one oval.

- call the physician at once
- remove the needle and attend to the patient
- yell loudly at the patient to keep him conscious
- continue the procedure until all blood is collected

16. 7. Blood is stained with _____ stain.

Mark only one oval.

- Methylene blue
- Safranin
- Leishman stain
- Carbol fuchsine

17. 8. Size of red blood cell is:

Mark only one oval.

- 10 micro meter
- 7 micro meter
- 8 micro meter
- 2 micro meter

18. 9. The normal platelet count in adult is:

Mark only one oval.

- 100,000 to 300,000 mm³
- 150,000 to 250,000 mm³
- 150,000 to 450,000 mm³
- None of these

19. 10. Individual with Blood Group has both Anti-A and Anti-B antibodies in serum?

Mark only one oval.

- Group A
- Group B
- Group AB
- Group O

20. 11. An advisory panel of experts has suggested that anyone who received transfusions before March 1992 be screened for which of these diseases?

Mark only one oval.

- AIDS
- Hepatitis C
- Mononucleosis
- Leukemia

21. 12. To Check Compatibility reaction, Patient Serum and donor cells is used in which type of Cross Match?

Mark only one oval.

- Major Cross Match
- Minor Cross match
- Both Major Cross Match and Minor Cross match
- None of these

22. 13. During blood donation, the removal of blood components is called:

Mark only one oval.

- Cytophresis
- Plasmaphresis
- Aphresis
- Leakophresis

23. 14. The lower limit of Hb in female blood donor is:

Mark only one oval.

- 10 gm/dl
- 12 gm/dl
- 13 gm/dl
- 14 gm/dl

24. 15. The conditions in which Bleeding time does not become prolonged is:

Mark only one oval.

- Deficiency of vitamin K
- Hemophilia
- Thrombocytopenia
- Afibrinoginemia

25. 16. Clotting time has normal value of:

Mark only one oval.

- 2 to 8 min
- 3 to 6 min
- 4 to 5 min
- 6 to 8 min

26. 17. Whole blood is contraindicated except in:

Mark only one oval.

- Chronic anemia
- Thrombocytopenia
- Exchange transfusion
- Incipient Cardiac failure

27. 18. Mismatched blood transfusion in anesthetic patient present is:

Mark only one oval.

- Hyperthermia and hypertension
- Hypotension and bleeding from site of wound
- Bradycardia and hypertension
- Tachycardia and hypertension

28. 19. Collection of blood for cross matching and grouping is done before administration of which plasma expander?

Mark only one oval.

- Hydroxyl ethyl starch
- Dextran
- Mannitol
- Hemacelle

29. 20. Before 24 hour which type of donor avoid for donation?

Mark only one oval.

- Person who drunk Alcohol
- Dental Extraction Patient
- Menstrual bleed women
- All of these

30. 21. Most fetal incompatibility Causing?

Mark only one oval.

- Iron deficiency Anemia
- Macrocytic anemia
- Leukemia
- Hemolytic Disease of new born

31. 22. If a patient refuses to have a venipuncture done you should:

Mark only one oval.

- tear up the requisition
- notify the patient's physician
- politely ask a patient to come back next week
- restrain the patient and proceed with the venipuncture

32. 23. A single system on which all scientists all over the world agree for units of measurement is called

Mark only one oval.

- SI units
- International System of Units
- Both SI units and International System of Units
- universal system

33. 24. Good Laboratory Practice (GLP) is a method employed in a laboratory setting to prevent:.

Mark only one oval.

- contamination
- accidents
- injuries
- All of these

34. 25. Which of the following type(s) of Personal Protective Equipment (PPE) is frequently used?

Mark only one oval.

- Safety glasses
- Lab Coats
- Gloves
- All of these

35. 26. A biohazardous container is used to discard:

Mark only one oval.

- Lancets
- Needle
- All of these
- None of these

36. 27. The laboratory must keep a record of all results and it should contain:

Mark only one oval.

- Patient's identification
- Type of the specimen
- Type of tests done
- All of these

37. 28. To ensure the validity and accuracy of test results, the following points should be taken into consideration

Mark only one oval.

- Experienced member of medical laboratory professional must check all laboratory results before dispatching them to respective departments or units.
- Any unexpected result should be investigated and repeated if necessary.
- If possible, reference values (normal ranges) should be included in reports.
- All of these

38. 29. Sequential processes in pre-examination, examination and post-examination clinical laboratory activities is called

Mark only one oval.

- Flow chart
- Path of workflow
- Organizational chart
- Normative document

39. 30. A objective evidence which shows how well a quality requirement is being met or how well a quality process is performing. It always documents what has happened in the past -

Mark only one oval.

- Quality record
- Quality policy
- Quality manual
- Quality plan

40. 31. Determination of one or more characteristics according to a procedure is called

Mark only one oval.

- Record
- Test
- Document
- Sheet

41. 32. Which of these is most likely to cause an accident in a workplace

Mark only one oval.

- Administration
- Manual handling
- All of these
- None of these

42. 33. Those units we use for speed, volume, and other quantities are known as

Mark only one oval.

- U.S. Conventional units
- SI units
- All of these
- None of these

43. 34. Safe laboratory Practice mainly depends on

Mark only one oval.

- Awareness on Signs & Symbols used in a laboratory
- Identification of the possibilities for common laboratory hazards
- Proper management of Bio medical wastes and first Aid practices.
- All of these

44. 35. Code of Ethics of a laboratory Professional:

Mark only one oval.

- Treat patients and colleagues with respect, care and thoughtfulness
- Misuse of lab resource
- Patient information always explain to other
- None of these

45. 36. How long can blood stored with CPDA?

Mark only one oval.

- 12 days
- 21 days
- 28 days
- 48 days

46. 37. Blood grouping and cross matching is must prior to infusion of:

Mark only one oval.

- Gelatin
- Albumin
- Dextran
- Hemaceal

47. 38. Advantage of blood donation to donor

Mark only one oval.

- Free health Check up
- Reduce iron in body
- Decrease Heart disease
- All of these

48. 39. Fresh Frozen Plasma store for –

Mark only one oval.

- 5 Years at -70°C
- 1 Year at -4°C
- 24 hours at -20°C
- 71 hours at Room Temperature

49. 40. Blood containing neither antigen A nor B is which of the following Group?

Mark only one oval.

- A
- B
- AB
- O

50. 41. Expert suggest the following tactics for blood conservation:

Mark only one oval.

- Iron therapy
- Reduced transfusion trigger
- Clotting medications
- All of these

51. 42. What happens if you bleed too much during surgery?

Mark only one oval.

- It results permanent organ damage
- Organs begin to shut down
- All of these
- None of these

52. 43. What causes blood loss during surgery?

Mark only one oval.

- Anticoagulant excess
- Structural defects
- All of these
- None of these

53. 44. What amount of blood loss considered haemorrhage?

Mark only one oval.

- Estimated blood loss of 1000mL or more
- Estimated blood loss of 500mL or less
- Estimated blood loss of 500mL or more
- Estimated blood loss of 2000mL

54. 45. How much blood do you lose during childbirth

Mark only one oval.

- Woman usually lose about half a quart (500 mL) during vaginal birth
- Woman usually lose about 1 quart (1000 mL) after a cesarean birth.
- All of these
- None of these

55. 46. What type of bleeding is most serious?

Mark only one oval.

- Arterial bleeding
- Capillary bleeding
- Venous bleeding
- None of these

56. 47. The nutrients that increase red blood cell counts:

Mark only one oval.

- Dried fruits
- Red meat and organ meat
- All of these
- None of these

57. 48. An comprehensive approach patient care that strives to reduce bleeding and prevent the ongoing loss of blood is called:

Mark only one oval.

- Blood transfusion
- Blood conservation
- Blood clot
- None of these

58. 49. ___ cannot be a reason for transfusion reaction?

Mark only one oval.

- Hemolyzed Blood
- Compatible Blood
- Mismatched blood
- Infected blood

59. 50. Blood conservation can be accomplished by

Mark only one oval.

- Maximizing preoperative hemoglobin and hematocrit level
- Preoperatively storing the patient's own blood
- All of these
- None of these

60. 51. What is the self life of blood?

Mark only one oval.

- 40 days
- 41 days
- 42 days
- 43 days

61. 52. What is the rarest blood type?

Mark only one oval.

- AB positive
- O positive
- A negative
- AB negative

62. 53. Which metal is present in the blood?

Mark only one oval.

- Iron
- nickel
- Gold
- Zinc

63. 54. Blood conservation is used to :

Mark only one oval.

- Manage anemia in intensive care
- Minimize blood loss intraoperatively
- All of these
- Option 4

64. 55. Preoperative blood test includes:

Mark only one oval.

- Blood chemistry panel
- CBC
- Arterial blood gas
- All of these

65. 56. What does a CBC blood test show:

Mark only one oval.

- Evaluate RBC count
- Evaluate WBC count
- Evaluates platelets
- All of these

66. 57. Cell salvage:

Mark only one oval.

- A process by which blood from the surgical field is collected, filtered, and washed to produce autologous blood for transfusion back to the patient.
- The process where collected blood involves filtering and washing to remove contaminants.
- All of these
- None of these

67. 58. Signs of internal bleeding:

Mark only one oval.

- Shortness of breath, chest pain
- Abdominal pain, bruising, dizziness
- Nausea, vomiting, blood in urine
- All of these

68. 59. Major blood grouping system includes

Mark only one oval.

- MNS,p-blood, kell ABO blood group system
- Rh, Daffy, ABO blood group syatem
- lewis, I blood group, Rh blood group system
- ABO and Rh blood group syatem

69. 60. The most immunogenic blood group system of Familial blood grouping system is

Mark only one oval.

- Duffy blood group system
 - Kell blood group system
 - Kell blood group system
 - Lewis and MNS system
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