



Jammu & Kashmir Paramedical / Nursing Council

Government Medical College Jammu/Srinagar

Examination Session: - "2021"

Paper: Laboratory Assistant 2nd Year

Time: 3.00 Hours

Max. Marks: 100

Note: Attempt any 14 Questions. Each Question carries 5 Marks. (Only Short Notes)

- Q.1. Incubator
- Q.2. Microscope
- Q.3. Disposal of contaminated media
- Q.4. Nutrition of bacteria
- Q.5. Name various gram positive bacilli
- Q.6. Life cycle of Hook worm
- Q.7. Antibiotic Sensitivity Test
- Q.8. Blood Bank
- Q.9. Red Cell count
- Q.10. ESR
- Q.11. Preparation of Bone marrow smears
- Q.12. Chemical used in Tissue processing
- Q.13. Microtome
- Q.14. Frozen Section its preparation and staining
- Q.15. Coombs Test
- Q.16. Hemophilia and its detection
- Q.17. osmotic fragility Test
- Q.18. Fixatives used in Cytology
- Q.19. Diphtheria
- Q.20. RTPCR for COVID-19

Government Medical College Srinagar

Session: May 2015

Paper: Laboratory Assistant-II

Time: 3 Hours

Max. Marks: 100

Note: Attempt any five questions. All questions carry equal marks.

- Q. No.: 1. What do you understand by sterilization? Discuss in detail various sterilization methods adopted in microbiology laboratory. (20)
- Q. No.: 2. Describe composition of blood in detail. Discuss methods of ABO and Rh grouping and cross matching and its importance. (20)
- Q. No.: 3. Enumerate and classify different culture media. Describe in detail any three special media with its uses. (20)
- Q. No.: 4. Write short notes on:
- a) Sterilization of glassware. (7)
 - b) Antibiotic sensitivity. (7)
 - c) Cytological fixatives. (6)
- Q. No.: 5. Write short notes on:-
- a) VDRL test. (7)
 - b) Universal precautions. (7)
 - c) FNAC. (6)
- Q. No.: 6. Write short notes on:-
- a) Antigen Antibody reaction. (7)
 - b) Screening of blood. (7)
 - c) Hand washing technique & its importance. (6)
- Q. No.: 7. a) Discuss in detail waste disposal and maintenance of safety in laboratory. (10)
- b) Quality assurance in laboratories. (10)

J&K State Para Medical Council
Government Medical College Srinagar
Session: May 2015

Paper: Laboratory Assistant-II

Time: 3 Hours

Max. Marks: 100

Note: Attempt any five questions. All questions carry equal marks.

Q. No.: 1. What do you understand by sterilization? Discuss in detail various sterilization methods adopted in microbiology laboratory. (20)

Q. No.: 2. Describe composition of blood in detail. Discuss methods of ABO and Rh grouping and cross matching and its importance. (20)

Q. No.: 3. Enumerate and classify different culture media. Describe in detail any three special media with its uses. (20)

Q. No.: 4. Write short notes on:

- a) Sterilization of glassware. (7)
- b) Antibiotic sensitivity. (7)
- c) Cytological fixatives. (6)

Q. No.: 5. Write short notes on:-

- a) VDRL test. (7)
- b) Universal precautions. (7)
- c) FNAC. (6)

Q. No.: 6. Write short notes on:-

- a) Antigen Antibody reaction. (7)
- b) Screening of blood. (7)
- c) Hand washing technique & its importance. (6)

Q. No.: 7. a) Discuss in detail waste disposal and maintenance of safety in laboratory. (10)

b) Quality assurance in laboratories. (10)





J&K State Paramedical & Nursing Council

Government Medical College Srinagar/Jammu

Session: May-June 2017

Paper: Laboratory Assistant 2nd year

Time: 3.00 Hours

Max. Marks

"SECTION-A"

(60 Marks)

Note: Attempt any five questions. All questions carry equal marks.

- Q.1. What is coomb's test and discuss its importance.
- Q.2. Define virus and write down about properties of virus. Explain structure of Herpes Virus supported with diagram.
- Q.3. How will you prepare a good peripheral blood film and discuss the staining procedure.
- Q.4. Discuss the method for doing sex chromatin staining.
- Q.5. What is the role of laboratory in the health care delivery system in general.
- Q.6. Define bacteria. Write in detail morphological study of bacteria.
- Q.7. What is gram staining. Differentiate between gram +ve and -ve bacteria.

"SECTION-B"

(40 Marks)

Note: Attempt any five questions. All questions carry equal marks.

Write short notes on:-

- Q.1. ESR
- Q.2. FNAC
- Q.3. AFB
- Q.4. Cross-matching
- Q.5. RA Factor
- Q.6. Montoux Test
- Q.7. Antigen Antibody Reaction





J&K State Paramedical & Nursing Council

Government Medical College Srinagar/Jammu

Session: May-June 2017

Paper: Laboratory Assistant 2nd year

Time: 3.00 Hours

Max. Marks:

"SECTION-A"

(60 Marks)

Note: Attempt any five questions. All questions carry equal marks.

- Q.1. What is coomb's test and discuss its importance.
- Q.2. Define virus and write down about properties of virus. Explain structure of Hep Virus supported with diagram.
- Q.3. How will you prepare a good peripheral blood film and discuss the staining procedure.
- Q.4. Discuss the method for doing sex chromatin staining.
- Q.5. What is the role of laboratory in the health care delivery system in general.
- Q.6. Define bacteria. Write in detail morphological study of bacteria.
- Q.7. What is gram staining. Differentiate between gram +ve and -ve bacteria.

"SECTION-B"

(40 Marks)

Note: Attempt any five questions. All questions carry equal marks.

Write short notes on:-

- Q.1. ESR
- Q.2. FNAC
- Q.3. AFB
- Q.4. Cross-matching.
- Q.5. RA Factor.
- Q.6. Montoux Test.
- Q.7. Antigen Antibody Reaction.

J&K State Paramedical Council

Government Medical College Srinagar/Jammu

Session: March-April 2016

Paper: Laboratory Assistant Part: II

Time: 3.00 Hours Max. Marks: 100

"SECTION-A"

(60 Marks)

Note: Attempt any five questions. All questions carry equal marks.

- Q.1. Describe the various methods of sterilizations. (12)
- Q.2. Describe the life cycle of *Entamoeba histolytica*. (12)
- Q.3. Describe the staining methods used in bacteriology with examples. (12)
- Q.4. Describe the life cycle of Malarial parasites. (12)
- Q.5. Diagrammatically explain leucocytes and method of their counting. (12)
- Q.6. What are various blood groups? Describe the methods of determining blood groups. What is their importance? (12)
- Q.7. Define bacteria. Write in detail morphological study of bacteria. (12)
- Q.8. What is Gram's staining? Differentiate between Gram +ve and Gram -ve bacteria. (12)

"SECTION-B"

(40 Marks)

Note: Write short notes on any of the five. All notes carry equal marks:

- Q.1. Hot air oven. (8)
- Q.2. Blood agar. (8)
- Q.3. Complement fixation test. (8)
- Q.4. Bacillary dysentery. (8)
- Q.5. Salmonella. (8)
- Q.6. Botulism. (8)
- Q.7. Qualities of an ideal fixative. (8)
- Q.8. VDRL test. (8)
- Q.9. Criteria for donor selection. (8)

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J&K State Paramedical & Nursing Council

Government Medical College Srinagar/Jammu

Examination Session: - April_May'2018'

Paper: Laboratory Assistant 2nd year
Time: 3.00 Hours

Max. Marks: 100

"SECTION-A" (60 Marks)

Note: Attempt any five questions. All questions carry equal marks.

- Q.1. - How is hemoglobin estimated? Write down its clinical significance.
- Q.2. - How is bone marrow smears prepared? What is different indication of bone marrow aspiration.
- Q.3. - Write a note on Leishman's staining. How is peripheral blood film prepared?
- Q.4. - What are the test done for coagulation and explain briefly about Pro-thrombin time and activated partial thromboplastin time.
- Q.5. - Describe routine H&E Staining used in histopathology.
- Q.6. - Write a note on morphology, life cycle and lab diagnosis of echinococcus granulosus.
- Q.7. - Explain ABO and RH blood grouping in detail.

"SECTION-B" (40 Marks)

Note: Attempt any five questions. All questions carry equal marks.

Write short notes on:-

- Q.1. Hot air oven .
- Q.2. Autoclave .
- Q.3. AIDS
- Q.4. Criteria for donor selection
- Q.5. Lab accidents
- Q.6. Montoux test .
- Q.7. FNAC

Anatomy with Sam Shabir
6005592158



J&K State Paramedical & Nursing Council
Government Medical College Srinagar/Jammu
Special Examination :- Jan-Feb, 2018.

Paper: Laboratory Assistant 2nd year
Time: 3.00 Hours

Max. Marks: 100

"SECTION-A"
(60 Marks)

Note: Attempt any five questions. All questions carry equal marks.

- Q.1. Define bacteria. Write down the morphological study of bacteria.
Q.2. What is Gram staining. Differentiate between gram-positive and gram-negative bacteria.
Q.3. Describe the life cycle of malarial parasite.
Q.4. Discuss the Ohms⁺ Test and discuss its importance.
Q.5. Enumerate and classify different culture medium. Discuss in detail any one.
Q.6. Diagrammatically explain leucocyte and methods of their counting.
Q.7. Define virus. Write down the characteristics of viruses.

"SECTION-B"
(40 Marks)

Note: Attempt any five questions. All questions carry equal marks.

Write short notes on:-

- Q.1. Hot air oven
Q.2. Compliment Fixation Test.
Q.3. Criteria for donor selection
Q.4. Blood Agar
Q.5. Antigen- Antibody reaction.
Q.6. Hand washing Techniques.
Q.7. Cytological Fixatives.

Anatomy with Sa
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