

COMBINED PARAMEDICAL EXAMINATION NOVEMBER 2005

DIPLOMA IN MEDICAL LABORATORY TECHNOLOGY DMLT

MICROBIOLOGY(Paper II)

Answer any 10 questions .All Questions carry equal Marks

Time 3 Hours

Total Marks 80

1. Describe the Principle & Procedure of ELISA Test for Hepatitis B Surface Antigen Testing.
2. How do you prepare the following Media ? Mention their Uses
(A) Chocolate Agar (B) Lowenstein-Jensen Medium
3. Describe the principle and function of Hot Air Oven, Incubator
4. Describe the procedure of Antibiotic Testing for a Bacterial Culture
What is the zone of Inhibition ?
5. What are Acid fast Organisms ? Give 2 Examples .Describe procedure of Ziel Neelsen Staining
6. Write Briefly about routine stool Examination by concentration method.
Give 2 examples of Bile stained OVA
7. Describe the collection of material, media used & Staining methods for identification of fungi.
8. Define Agglutination Reaction .Discuss in detail about Widal test .
9. What is Dis-infection ? Name common dis-infectants used in Laboratory.
10. How do you sterilize the following ?
A) Contaminated Test Tubes B) Loeffler's Serum Slope C) Petri Dish
D) Urea Solution
11. What are the Methods used for detection of E. Histolytica cysts in stool ?
Draw a diagram of E.H. Cyst
12. What are the stains used to stain Metachromatic Granules of Diphtheria Bacillus. Describe staining procedure of one method

COMBINED PARAMEDICAL EXAMINATIONS, OCTOBER 2006

**Diploma in Medical Laboratory Technology
Paper II-Microbiology**

Answer any 10 questions .All questions carry equal Marks

Time 3 Hours

Total Marks 80

- 1) How do you collect and Process urine sample from a patient with urinary tract infection?
- 2) How do you prepare McConkey's Medium ? Mention organisms grown in this medium
- 3) How do you adjust the PH of a nutrient Broth ? Describe Procedure
- 4) How do you collect and transport samples for virus isolation and Viral serology .
- 5) Describe staining procedure of for Diphtheria Bacilli in throat swab
- 6) How do you collect skin scraping for fungus? How do you demonstrate it ? write one staining method
- 7) List out the Chemical disinfectants and their concentrations as used in Microbiology Lab
- 8) Write a note on Bacteriological Incubator
- 9) what are the various Laboratory tests for Hepatitis B infection ?
- 10) How do you suspect cholera infection ? What are various laboratory tests for Cholera infection ?
- 11) what is ELISA test ? write its principle In which diseases it is used as a Laboratory test ?
- 12) what are the various components in Blood culture medium ? How do you prepare the medium ?

74

Diploma in Medical Laboratory Technology
Paper II-Microbiology

Answer any 10 questions .All questions carry equal Marks

Time 3 Hours

Total Marks 80

- 1) How do you collect blood for culture ? Describe processing of blood for bacterial culture
- 2) Write about care & precautions to be taken while using the Compound microscope
- 3) How do you sterilize Inoculation loop, Petridish, Blood spill & Culture media?
- 4) Describe one of the staining procedures for demonstrating Acid fast Bacilli
- 5) How do you do antibiotic sensitivity testing of bacterial isolates?
- 6) Describe preparation of saline mount & Iodine mount of stool sample. Draw diagram of Round worm & Hook worm ova
- 7) How do you test blood for HIV infection ?
- 8) Name the Ph indicators used in culture media
- 9) Write preparation of MacConkey medium
- 10) How do you test for syphilis ? Describe one procedure
- 11) How do you collect and prepare samples for fungal infection ?
- 12) Write about Autoclave

COMBINED PARAMEDICAL EXAMINATION, July 2008

DIPLOMA IN MEDICAL LABORATORY TECHNOLOGY

MICROBIOLOGY

Time :- 3 Hours

Total Marks:-80

Answer any 10 questions. All Questions carry Equal Marks

- 1) Write in detail procedure & interpretation of Gram's staining
- 2) How do you prepare Nutrient Agar ?
- 3) Write in detail about Autoclave with a diagram
- 4) Discuss about Agglutination tests used in microbiology
- 5) Write about Disinfectants
- 6) Write about Lab diagnosis of Amoebic dysentery
- 7) Lab diagnosis of malaria
- 8) Name the fungi affecting human body and write briefly about Candida albicans
- 9) Draw diagram of Compound Microscope and label its parts
- 10) Lab tests for Hepatitis B infection confirmation
- 11) Write about (a) Montoux Test (b) Coagulase Test
- 12) Write few salient points about safe disposal of biologic waste

ANDHRA PRADESH PARAMEDICAL BOARD, HYDERABAD

SUPPLEMENTARY EXAMINATIONS FOR IN-SERVICE CANDIDATES,
MARCH 2011

Certificate in Laboratory Technician Course

PAPER II - MICROBIOLOGY

Time: 3hrs.

Answer any TEN Questions

Total Marks:80

All Questions carry equal marks

1. Explain about Bacteriological Incubator and its uses.
2. How to identify cholera infection? What are various laboratory tests for Cholera infection?
3. How do you collect and prepare samples for fungal infection?
4. Explain about Agglutination tests used in microbiology.
5. Describe the Principle & Procedure of ELISA Test for Hepatitis B Surface Antigen Testing.
6. How do you collect and Process urine sample from a patient with urinary tract infection?
7. How do you collect and transport samples for virus isolation and viral serology.
8. Describe staining procedure of for Diphtheria Bacilli in throat swab.
9. List out the Chemical disinfectants and their concentrations as used in Microbiology Lab.
10. What are the various Laboratory tests for Hepatitis B infection?
11. What are the various components in Blood culture medium? How do you prepare the medium?
12. How do you sterilize Inoculation loop, Petridish, Blood spill & Culture media?
13. How do you test blood for HIV infection?
14. Define about Autoclave.

ANDHRA PRADESH PARAMEDICAL BOARD, HYDERABAD

COMBINED PARAMEDICAL (REGULAR) EXAMINATIONS, JUNE, 2011

Diploma in Medical Lab Technician Course (DMLT)

PAPER II

MICROBIOLOGY & PARASITOLOGY

Time: 3hrs.

Answer any **TEN** Questions

Total Marks:80

All Questions carry equal marks

1. Describe the principle pathogenic parasites in blood, urine and stool.
2. Define the procedure of Antibiotic Testing for a Bacterial Culture and the zone of Inhibition?
3. Describe about the methods of sterilization and the equipment.
4. Define the procedure to collect and process urine sample from a patient with urinary tract infection?
5. Describe the procedure for identification of spirochetes.
6. Define the procedure to collect and transport samples for virus isolation and viral serology.
7. Define the various Laboratory tests for Hepatitis B infection.
8. How do you test blood for HIV infection?
9. Write about Disinfectants.
10. Define the procedure for safe disposal of biologic waste.
11. Define the procedure to collect and prepare samples for fungal infection?
12. Define the Agglutination tests used in microbiology.

ANDHRA PRADESH PARAMEDICAL BOARD, HYDERABAD

COMBINED PARAMEDICAL (SUPPLEMENTARY) EXAMINATIONS, JANUARY, 2011

Diploma in Medical Lab Technician Course (DMLT)

PAPER II

MICROBIOLOGY

Time: 3hrs.

Answer any **TEN** Questions

Total Marks:80

All Questions carry equal marks

1. Define (1) Procedure of Antibiotic Testing for a Bacterial Culture.
(2) Zone of Inhibition?
2. Define about routine stool Examination by concentration method.
Explain two examples of Bile stained OVA
3. Describe the procedure to adjust the PH of a nutrient Broth?
4. Explain about Bacteriological Incubator and its uses.
5. How to identify cholera infection? What are various laboratory tests for Cholera infection?
6. Explain method to sterilize Inoculation loop, Petridish, Blood spill & Culture media?
7. Describe one of the staining procedures for demonstrating Acid fast Bacilli
8. How do you do antibiotic sensitivity testing of bacterial isolates?
9. What is syphilis? Explain one procedure for testing it.
10. How do you collect and prepare samples for fungal infection?
11. Explain about Autoclave with a diagram.
12. Explain about Agglutination tests used in microbiology.

ANDHRA PRADESH PARAMEDICAL BOARD, HYDERABAD
COMBINED PARAMEDICAL (SUPPLEMENTARY) EXAMINATIONS, DECEMBER,
2012
Diploma in Medical Lab Technician Course (DMLT)

PAPER II

Microbiology & Parasitology

Time: 3hrs.

Total Marks:80

Answer any **TEN** Questions

All Questions carry equal marks

1. Explain in detail about the different types of Stool Examination.
2. Explain in detail about the different Laboratory tests for syphilis.
3. Explain in detail about the lab diagnosis of Amoebic Dysentery
4. Explain in detail about the procedure to test the blood for HIV infection.
5. Explain in detail about the procedure to collect and prepare samples for fungal infection.
- ✓ 6. Explain in detail about the different tests used in microbiology for Agglutination.
7. Explain in detail about the Cholera infection and various laboratory tests for it.
- ✓ 8. Explain in detail about the Autoclave and its usage.
- ✓ 9. Explain in detail about the Bacteriological Incubator.
- ✓ 10. Explain in detail about the ELISA test and its usage.
- ✓ 11. Explain in detail about the procedure of Antibiotic Testing for a Bacterial Culture.
- ✓ 12. Explain in detail about the different common disinfectants used in Laboratory.

ANDHRA PRADESH PARAMEDICAL BOARD, HYDERABAD

COMBINED PARAMEDICAL (REGULAR) EXAMINATIONS, JUNE, 2012

Diploma in Medical Lab Technician Course (DMLT)

PAPER II

MICROBIOLOGY & PARASITOLOGY

Time: 3hrs.

Total Marks:80

Answer any **TEN** Questions

All Questions carry equal marks

- ✓ 1. Write in detail about Agar and Media.
2. Write about Culture Techniques.
3. Describe about the Acid Fast organisms with examples.
- ✓ 4. Describe about Streptococcus.
5. Explain about Immunology and Serology.
6. Explain about VDRL Test.
7. Explain about the Antibiotic Sensibility Test of Bacterial Culture.
8. Explain about Mycology.
9. Explain about the different types of Stool Examination.
10. Explain about FILARIA.
11. Explain about Laboratory Investigation of HIV.
- ✓ 12. Explain about the difference between Malaria Parasite and Leishmania Parasite.

ANDHRA PRADESH PARAMEDICAL BOARD, HYDERABAD

COMBINED PARAMEDICAL (SUPPLEMENTARY) EXAMINATIONS, NOVEMBER, 2013

Diploma in Medical Lab Technician Course (DMLT)

PAPER II

MICROBIOLOGY & PARASITOLOGY

Time: 3hrs.

Total Marks:80

Answer any **TEN** Questions

All Questions carry equal marks

Write the entire answer to a question at one place only but not in different stages

1. Explain in detail about HIV and various laboratory tests to detect it.
2. Explain in detail about Compound Microscope and label its parts by drawing a diagram.
3. Explain in detail about the different tests used in microbiology for Agglutination.
4. Explain in detail about the Autoclave and its usage.
5. Explain in detail about the Bacteriological Incubator.
6. Explain in detail about the ELISA test and its usage.
7. Explain in detail about the procedure of Antibiotic Testing for a Bacterial Culture.
8. Explain in detail about the different common disinfectants used in Laboratory.
9. Write in detail about Agar and Media.
10. Describe about Streptococcus.
11. Explain about the difference between Malaria Parasite and Leishmania Parasite.
12. Describe about antiseptics and filters.

ANDHRA PRADESH PARAMEDICAL BOARD, HYDERABAD

SUPPLEMENTARY EXAMINATIONS FOR IN-SERVICE CANDIDATES,
OCTOBER 2013

Certificate in Laboratory Technician Course

PAPER II - MICROBIOLOGY

Time: 3hrs.

Total Marks:80

Answer any **TEN** Questions

All Questions carry equal marks

1. How do you collect and prepare samples for fungal infection?
2. How do you collect and Process urine sample from a patient with urinary tract infection?
3. How do you collect and transport samples for virus isolation and viral serology.
4. List out the Chemical disinfectants and their concentrations as used in Microbiology Lab.
5. What are the various Laboratory tests for Hepatitis B infection?
6. What are the various components in Blood culture medium? How do you prepare the medium?
7. How do you test blood for HIV infection?
8. Explain In detail about FILARIA and its management.
9. Explain in detail about amoebic dysentery and the various tests to diagnose it.
10. Explain in detail about the syphilis and various Laboratory tests for detection.
11. Explain in detail about the procedure to collect blood for culture and also for bacterial culture.
12. Explain in detail about Compound Microscope and label its parts by drawing a diagram.
