



Office of the:
Principal Chief Personnel Officer,
Eastrn Railway,
17, Netaji Subhas Road,
Kolkata 700 001

Date, the 2nd Jan '2023

No.E 367/MD/Lab-Cadre/Seniority & Selection/Pt.I

PCMD/E.Rly/Kolkata
MD/BRSH/SDAH
DRM/E.Rly/SDAH/HWH/ASN/MLDT
CWM/E.Rly/KPA/LLH/JMP
CMS/E.Rly/HWH/ASN/MLDT/KPA/LLH/JMP

Sub : Formation of a panel for 09 Posts of Lab Supdt. in L-6 in the Medical Department of Eastern Railway (Communal break up : UR- 06, SC-02 & ST- 01)

Ref : This office letter of even No. dt. 28.12.2021

In continuation to this office letter quoted above, the final list of following eligible 12(twelve) candidates with the approval of the Competent Authority is published as under in connection with the written examination for formation of panel of Lab Supdt. in L-6 in the Medical Department of Eastern Railway. The written test for the above selection will be held shortly and they should be advised to keep themselves in readiness for the same.

Sl No.	Name S/Sri/Smt.	Designation	Level	Community	Place of working
1	Jayanta Kumar Bag	Lab Tech	L-5	OBC	DRM/SDAH
2	Gobinda Charan Dolai	Lab Tech	L-5	SC	DRM/SDAH
3	Avijit Mandal	Lab Tech	L-5	SC	DRM/SDAH
4	Sita Kumari	Lab Tech	L-5	UR	DRM/SDAH
5	Samir Maity	Lab Tech	L-5	OBC	DRM/SDAH
6	Subhankar Ghatak	Lab.Asstt. Gr.II	L-3	UR	DRM/SDAH
7	Santosh Kumar	Lab.Asstt. Gr.II	L-3	OBC-NCL	DRM/SDAH
8	Bibek Maity	Lab.Asstt. Gr.II	L-3	UR	DRM/SDAH
9	Vikash Kushwaha	Lab/Tech	L-5	OBC	DRM/HWH
10	Prabhujee Parbat	Lab Tech	L-5	UR	CWM/KPA
11	Sujoy Kanti Das	Lab.Asstt. Gr. I	L-4	UR	DRM/ASN
12	Sk. Asique Uddin	Lab Tech	L-5	UR	DRM/ASN

A list of ineligible candidate alongwith reson for rejection is given below :-

Sl No.	Name S/Sri	Designation	Level	Community	Place of working	Reason for non-eligibility against notification dated 28.12.21
1	Debesh Singha	Lab Tech	L-5	SC	DRM/MLDT	05 years service in L-5 not completed.

Syllabus for the above exam. is attached for ready reference.

DA : As refd to.

(Md. Tarique)
Dy. Chief Personnel Officer(NG)
for Principal Chief Personnel Officer
Ph.No.24122

Syllabus for the Selection of Lab Supdt. in L-6

1. Quality Control
2. Bio medical waste Management
3. Sterilization
4. Handling of Laboratory Instruments , machines & equipments , care & maintenance
(Centrifuge, Incubator, Colorimeter, water bath, Microscope, Refrigerator, Autoclave, Hot air oven etc)
5. Cleaning of glassware & other equipments
6. Selection of needle & syringe. Use of needle burner. Disposal of syringes.
7. Storage of Stock Reagents , working Reagents.
8. Routine Sample Collection Procedure
9. Use of Anticoagulant
10. Serum Separation
11. Storage of samples before performing tests
12. Stains used in routine Laboratory procedure -Leishmen, Gram, Cresyle blue , Zeil-Nelson. Albert , Papinoculo stain, JSB stain , Haematoxylin & Eosin etc.
13. Routine Hematology -
Memocytometer - RBC Count, WBC Count, Differential Leukocyte count, Reticulocyte count, Platelet count, Absolute Eosinophil count, Hemoglobin estimation - different procedure, ESR, Routine Blood Grouping procedure, Bleeding Time & Clotting Time. Normal ranges of all parameters. Preparation of Blood Film (peripheral blood smear, Thick & thin film for parasite & Staining Storing of blood film).
14. Special Hematology - Red cell & its indices (calculation & normal ranges), Bone Marrow preparation & staining.
15. Examination of Urine - Sample collection for routine & culture & sensitivity test. Storage of sample if examination is delayed. Routine procedure of testing - Specific gravity, sugar, protein, 24 hrs protein, Bence jones protein, Acetone, Ketone body, Blood in urine, Haemoglobinurea, Bile salt, Bile pigment, Urobilinogen, Microscopical examination of urine, cast, Crystals, etc.
16. Examination of Stool - Microscopical examination, Occult blood, Detection of Ova, Cyst & Parasite, Culture & Sensitivity. Transport media for Vibrio Cholerae.
17. Examination of Semen - Sample collection, Time taken for Liquefaction. Physical Examination, Morphology of Sperm, Abnormal morphology, Total count, dentification of motile, no motile & sluggishly motile sperm (normal range), interpretation of finding.
18. Examination of Sputum - Sample collection, Examination of unstained slide under Microscope, Examination of Stained slide under Microscope. Gram Stain, Zeil Nelson Stain, Concentration method for staining of Sputum for Tuberculosis, Culture & Sensitivity.

19. Cavity Fluid –
Physical examination, Chemical examination for sugar & protein
Cytology – Total cellular count, Differential count.
Staining for presence of abnormal cell, Gram Stain for Bacteriological examination Culture & Sensitivity.
20. CSF –
Physical examination – Colour, Turbidity, Caogula
Total count, Differential count
Chemical Examination (Glucose, Sugar, Chloride, Protein)
21. Biochemistry & Enzyme
Estimation of Sugar (Blood, Body , Fluid (SF)
Protein Estimation (Serum, Body, Fluid (SF)
Kidney Function Test – Estimation of Urea, Creatinine, BUN , Flectrolyte
Liver Function Test – Serum Bilirubin & its function, SGOT, SGPT,
Alkaline Phosphatase , Gamma GI, Prothombin time.
Lipid Profile – Serum Cholesterol, Triglycerides, HDL, Cholesterol, LDI,
VLDI Cardiac Enzyme – CK, CKMB, Troponin, LDH
Pancreatic Enzyme – Serum Amylase, Serum Lipase
22. Electrolyte – Sodium, Potassium, Chloride, Calcium, Magnesium,
Phospate
23. Estimation of uric Acid (Normal range of all parameters)
24. Serology – Widal Test, Anti-Streptolysin O, C Reactive Protine,
Rheumatoid Factor, VDRI, Serological Test for Malaria, Hepatitis B – Surface
Antigen, HIV Antibody I & II, HCV, Urin Test for Human Chorionic
Gonadotrophin Hormone (HCG test for Pregnancy)
- Kala-A zar
ELISA READER
Principle of ELIZA Testing
25. Microbiology –
Sterile Procedure of sample collection for Culture & Sensitivity Test.
Preparation of Culture Media (Basic Media) for Routine use.
Inoculation of sample – platting.
Optimum temperature for growth.
Atmosphere – Aerobic or anaerobic growth.
Different types of Media – Selective media. Indicator Media, Enrichment Media
Identification of Mircro organism – Colony Character, Morphology, Biochemical
test
Staining – Gram stain, Ziel Neelson Stain, Albert's stain for Coryn bact,
Diptheria.
Disposal of Culture plate & other materials as per bio Medical waste Disposal
Guide
- For Fungus Detection –
Sample – Scraping of skin & nails
Plucked hair from infected area.
Examination under microscope in HaOH or KOH solution
Morphology of Hyphae & Spore.
Culture for fungal growth (in Sabouraud's media)

26. Blood Banking –

Screening of Donor

Estimation of Hemoglobin

RBC serology – ABO & Rh Grouping – Forward (Cell) grouping, Reverse (Serum) Grouping, Detection of Atypical Antibody,

Cross Matching (compatibility) of Donor's & Recipient's Blood – Major & Minor cross

Matching by Saline, Enzyme & Coomb's cross Matching.

27. Quality Control –

Quality Assurance

Variation of value of test result –

Identification of error –

1. Error of record

2. Error in performing test procedure

3. Error in equipments

Consistent error or Random error, Rectification of error, Regular calibration of equipment's & machines, working temperature.

Quality Control of Reagents

Physical appearance, storage temperature, precaution to prevent contamination of reagents, Regular use of standard/reference value

Sample collection, serum separation, preservation of sample before performing test, documentation

28. Rajbhasa

English language, General Knowledge

Pass Rules

D&A Rules

Leave Rules

Simple Mathematics

29. For Lab Supdt Grade I (Chief Lab. Supdt)

In addition to above – Preparation of Indent

Stock & Record Maintenance

Supervision of Laboratory work management including documentation

Work distribution amongst the under staff