

NOTICE

Ref: TFR:NCB:298:24-25

Dated: 14th August 2024

Sub: Syllabus for the written examination and interview for the post of Scientific Officer 'C' (Systems Engineer)

Ref: Advt. No.12/2024: Appointment of a Scientific Officer 'C' (Systems Engineer) – Reserved for SC category on permanent basis

In continuation of the Notice No. TFR:NCB:298:24-25 dated 8th July 2024 wherein the list of shortlisted candidates who have been found eligible for Written Examination, the syllabus for the said examination is being notified for information of all concerned:

Syllabus:

1. Website development using Drupal (Version 7/8/9)/PHP

Drupal (Version-7/8) - Custom module/theme development, Contributed modules (Workflow, Rules, Views, Webforms), Custom Forms/Blocks, Overriding View/Node display using custom templates, Exporting Data in SpreadSheet/CSV/PDF PHP - Database Connectivity using mysqli/pdo functions, Session/Cookie management, Object-Oriented Programming.

2. Linux Administration and Scripting

Compilation process of opensource code, Writing Scripts in BASH/python/perl, Common linux commands to search content and files/directories, Common command line text editors, trouble shooting Linux servers using command line tools and System logs, ext3/ext4/GPFS/Lustre/XFS file systems, Installing applications (LAMP).

3. IT infrastructure management

Routers/Switches, Sub-netting, Network Management Systems (NMS), Performing Backups/Restoration on Tape media using open-source tools, Monitoring Servers/Network device up-times, Virtualization using VMware/Hyper-V/Xen/KVM, Inventory Management, Common Application/OS level Security Risk management, Benchmarking and Performance Evaluation, Parallel Computing Architecture, Security.

The Written Examination and interview will be conducted at National Centre for Biological Sciences, Tata Institute of Fundamental Research, Bellary Road, Bangalore 560065, Karnataka. The pattern for written examination shall be objective type for 100 marks. There will be no negative markings for wrong answers.

The cutoff marks for written examination shall be decided to shortlist the candidates for interview. The weightage for written examination and interview will be 40 and 60 respectively and the merit list will be prepared accordingly.

The date for the Written Examination and interview shall be notified shortly.

The call letter with detailed instructions will be sent to the provisionally eligible candidates. Candidates are required to check their registered email frequently (including spam folder).

**Sd/-
Head, Administration and Finance
NCBS - TIFR**