NOTICE

Ref: TFR:NCB:298:23-24   **Dated: 08/11/2023**

Sub: Notice for written examination for the post of Scientific Officer C (Information Technology)

Ref: Advt No.18/2023 : Appointment of a Scientific Officer C (Information Technology) Reserved for OBC category on permanent basis

All the shortlisted candidates are required to appear in person for the Written Test scheduled on **16th November 2023 (Thursday**). The Written test will be followed by the Personal Interview for the shortlisted candidates in the written test. The venue for both the stages is National Centre for Biological Sciences, Tata Institute of Fundamental Research, Bellary Road, Bangalore 560065, Karnataka.

Examination Pattern and Syllabus:
Written Test – 16/11/2023

| Section | Objective Type | | | Time |
	Topics/Subjects	No. of Questions	Total Marks	
1	Website development using Drupal(Version 7/8/9)/PHP	40	40	**10.30 am**
2	Linux Administration and Scripting	40	40	
3	IT infrastructure management	20	20	
	Total	**100**	**100**	

No negative marks.

Broad areas of syllabus for each section are as follows:

Section	Topics/Subjects	Indicative 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

Personal Interview:

The final selection of the candidates will be based on the performance in the Personal Interview from amongst the candidates shortlisted after Written Test.

The call letter with detailed instructions is being sent to the shortlisted candidates by email. Candidates are required to check their registered email regularly.

s/d.,
Head Administration and Finance
NCBS - TIFR