



आरोग्यम् सुख सम्पदा

अखिल भारतीय आयुर्विज्ञान संस्थान, रायपुर (छत्तीसगढ़)  
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No. RC/NF-R/B/2023

Date: 23.05.2023

**NOTICE**

**Scheme and Indicative Syllabus for Computer Based Test (CBT)**

1. This is with reference to the advertisement No. RC/NF-R/B/2023/949 dated 17.04.2023 for recruitment to various Group 'B' posts on Direct Recruitment basis at AIIMS Raipur.

2. As mentioned in the above-mentioned advertisement, as part of selection process, computer based test (CBT) will be conducted for all the advertised posts. The scheme of CBT will be the same as given in Section-IV of the advertisement which is as under:-

Total No. of MCQs	Total Marks	Total Duration of Test (CBT)	Indicative Scheme / Scope of Syllabus of CBT
100	100	90 minutes	<b>Part-I : 25 Marks</b> Questions will be mixed of general knowledge and awareness, English comprehension, quantitative aptitude and general intelligence & reasoning ability. <b>Part-II : 75 Marks</b> Questions will be based on the domain knowledge/ concerned subject of the post. It will be as per the eligibility criteria of the post given in the advertisement.

- Based on the above, an indicative syllabus is given in **Annexure-1** for clarity.
- Further, it is also clarified that there will be common paper for following posts:-
  - Technical Officer (Technical Supervisor) and Technical Assistant/ Technician : For posts in **Anesthesia/ Operation Theatre**.
  - Technical Officer (Technical Supervisor) and Technical Assistant/ Technician : For posts remaining for **General (Medical) Labs**.
- Candidates are advised to regularly visit the website of AIIMS Raipur for updates.

**Sd/-**  
Dy. Director (Admin.)  
AIIMS Raipur (CG)

**Enclosure :** As above.

**Indicative Syllabus for Computer Based Test (CBT)**

[Ref.: Advt. No. RC/NF-R/2023/949 dated 17.04.2023]

1. **Scheme of CBT:** As given in the advertisement dated 17.04.2023, Computer Based Test (CBT) will be divided into the following two parts for all the advertised posts:-

(a) **Part-I for 25 Marks :** It will be **common to all the advertised posts**. The nature and standard of questions will be such that an educated person of ordinary prudence will be able to answer them without any specialized study. Questions in this part (Part-I) of CBT will be related to the following :-

1.	<b>General knowledge and awareness</b>	<b>(10 marks)</b>
	Questions in this component will be to test candidates' general awareness and knowledge of current events as may be expected of any educated person. The test may include questions relating to Indian Geography (10 <sup>th</sup> level), General Science (10 <sup>th</sup> level), Governance in India, Indian Economy, General Policy, national and international current affairs and Fundamentals of computer applications and internet.	
2.	<b>English comprehension (Class 10<sup>th</sup> level)</b>	<b>(05 marks)</b>
	Candidates' ability to understand correct English and basic comprehension would be tested. The test may include questions relating to correct use of tense, verb, preposition, synonyms, antonyms, spotting errors, spelling/detecting misspelled words, voice, and parts of speech.	
3.	<b>Quantitative aptitude (Class 10<sup>th</sup> level)</b>	<b>(05 marks)</b>
	The questions will be to test the ability of appropriate use of numbers and number sense of the candidate. The scope of the test will be the computation of whole numbers, decimals, fractions, Percentage, Ratio & Proportion, Square & Square roots, Average, Profit and Loss, Time and distance, Time & Work, Mensuration.	
4.	<b>General intelligence &amp; reasoning ability</b>	<b>(05 marks)</b>
	This component may include questions on analogies, similarities and differences, series completion, direction, relationship concepts, arithmetical reasoning, non-verbal series, coding and decoding etc.	

(b) **Part-II for 75 Marks :** It will be **post specific**. The questions in **Part-II** will be such as to test candidates' basic understanding, expertise and general awareness relevant to the post. The syllabus for Part-II will broadly be of the qualifying qualification and experience of the post. The questions will be of a level commensurate with the essential qualification of the post. Details of Part-II of the CBT are given in the succeeding paragraphs. **Candidates must score minimum prescribed marks in Part-II for empanelment in the order of merit for selection.**

2. **Syllabus for Part-II of CBT :** Questions in Part-II of CBT will be based on the domain knowledge/ concerned subject of the post. Syllabus for each post is given below:-

1.	Name of the Post	Junior Hindi Translator (कनिष्ठ हिंदी अनुवादक)
1.	सामान्य हिंदी (35 अंक)	पर्यायवाची (समानार्थी) शब्द, विलोम शब्द, शब्दकोष, त्रुटी पहचान, रिक्त स्थान भरना, वाक्यों का अनुवाद, बोधन-क्षमता (Comprehension), मुहावरे, व्याकरण.
2.	General English (35 marks)	Synonyms, Antonyms, Verb, Vocabulary, Fill in the Blanks, Grammar, Sentence Rearrangement, Comprehension, Idioms and Phrases, Articles, Tenses, Unseen Passages, Error Correction.
3.	Govt. of India policies on Rajbhasha (05 marks).	

2.	Name of the Post	<b>Common paper for the following posts:-</b> <b>(1) Technical Officer (Technical Supervisor)</b> <b>(2) Technical Assistant / Technician</b>
<p><b>(a) For Anaesthesia / Operation Theatre (75 marks):</b></p> <p>Biology and human welfare (infectious diseases: types, sources, cause and control), anatomy and physiology of human body, Anaesthesia – principle &amp; techniques, Physiology &amp; Pharmacology of Anaesthesia drugs, CPR, Metabolic response to stress and Trauma, Practice and Principles of surgery, pre &amp; post-operative procedures - sterilisation, disinfection, and waste disposal, Maintenance and Know-How's of O.T. equipment – O.T. table, Anaesthesia Machines, Ventilators, Defibrillators, Scavenging Systems, principles of Electro Cautery, Laparoscopic equipment, medical ethics applied to Anaesthesia and Surgery, Critical care concepts and life supports.</p> <p><b>(b) For General (Medical) Laboratory (75 marks):</b></p> <p>Biology and human welfare (infectious diseases: types, sources, cause and control, types of pathogens, sources of infection, methods of prevention and biological control), basic human science, anatomy and physiology of human body, fundamentals of MLT, Fundamental Biochemistry, Basic Clinical Microbiology, Basic Clinical Haematology, Basic Clinical Pathology, General Histopathology, Immunology &amp; Serology, Bio medical waste management, Community Development.</p>		
3.	Name of the Post	<b>Technical Officer Ophthalmology (Refractionist)</b>
<p>Biology and human welfare (infectious diseases of men: definitions, types, sources, cause and control), physiology of eye, ocular anatomy, ocular biochemistry, ocular microbiology, ocular physiology, ocular pharmacology, ocular pathology, physical and physiological optics, prism &amp; lenses, retinoscopy &amp; refraction techniques, refractive error, diagnostic instrument, mechanical optics, principle of ophthalmic procedures, practice as an eye care professional, common eye diseases, orthoptics and pleoptics muscular imbalances, nutrition and diseases of eye, industrial hazards and their prevention, management of O.T., pre &amp; post-operative procedures, bio-medical waste management, community ophthalmology.</p> <p style="text-align: right;"><b>[Total : 75 marks]</b></p>		
4.	Name of the Post	<b>Radiographic Technician Grade-I</b>
<ol style="list-style-type: none"> <li>1. Knowledge of Equipment : MRI, Digital Subtraction Angiography Machine, Multi-detector CT scan (including CT angiography), Mammography, conventional X-ray machine (digital radiography, digital fluoroscopy, bed side radiography); all types of filming camera printers.</li> <li>2. Anatomy of human body, knowledge of scanning all body parts i.e. brain, spine, head and neck, chest, cardiac, abdomen, pelvis, extremities, vascular system (arteries &amp; veins), musculoskeletal system, specialized MRI applications like Cardiac MRI, MR spectroscopy, diffusion weighted MRI (DW-MRI), Perfusion MRI, MRCP, MR cisternography, Mammography, OPG, etc.</li> <li>3. Radiation safety measures, safety measure while doing MRI, using contrast and some case based technical questions including trauma cases.</li> </ol> <p style="text-align: right;"><b>[Total : 75 marks]</b></p>		