Azadi Ka
Amrit Mahotsav

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भारत २०२१ INDIA
वसुधैव कुटुम्बकम्
ONE EARTH · ONE FAMILY · ONE FUTURE

Sainik School Bhubaneswar
सैनिक स्कूल भुबनेश्वर
PO: Sainik School / पोस्ट - सैनिक स्कूल
Dist-Khurda / जिल्ला - खोरधा
Odisha / ओडिशा PIN-751005

SSB/ORG/119   09 Feb 2026

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CALL LETTER FOR WRITTEN TEST: RECRUITMENT OF
LABORATORY ASSISTANT (PHYSICS) (CONTRACTUAL) RESERVED FOR SC CATEGORY

Dear Candidate,

1.   Reference your application for the post of Lab Asst (Physics) (Contractual) in Sainik School Bhubaneswar.

2.   Your candidature is provisionally considered. You are required to report to this School and appear before the Selection Board as per the following schedule:-

S No	Date	Time	Activity
(a)		0800 h	Reporting at Sainik School Bhubaneswar
(b)		0815-0930 h	Documents Verification
(c)		0945-1045 h	Written Test after documents verification
(d)	17 Feb 2026	1130-1200 h	Declaration of Written Test Result and Verification of the Answer Sheets by the Candidates
(e)		1230 h	**Skill / Proficiency Test and Interview only for the short listed candidates**
(f)	18 Feb 2026	0830h onwards	**Skill / Proficiency Test and Interview only for the short listed candidates**

3.   You are required to bring ORIGINAL copies of Certificates / Testimonials relating to your Education Qualification, Statement of Marks, **DoB Certificate (Matriculation), Experience** and other related Certificates. In case, you are already employed, you have to submit a 'No Objection Certificate' from your present employer. **Please note that the candidates need to score at least 33% marks in the Written Test to get short listed for the Skill / Proficiency Test and Interview**. Those who fail to secure 33% marks in the Written Test will not be allowed to participate in the Skill / Proficiency Test and Interview. However, the minimum required marks may be increased upto 50% by the Board of Officers to limit the number of candidates for the next step of the selection process. If required, you may be asked to stay at Bhubaneswar for more than two days at your own arrangements.

4.   Sainik School Bhubaneswar is located in Bhubaneswar near Utkal University, Vani Vihar just 2 km away from the National Highway. The distance of the School from Biju Patnaik International Airport is about 10 km and from Bhubaneswar Railway Station is 8 km.

5.   Please note that, this is only a call letter and is no way a guarantee for your selection for the above post. No TA/DA will be admissible.

6.   Canvassing in any form will render disqualification of the candidature.

Yours sincerely,

(Pankaj Kumar)
Colonel
Principal

IMPORTANT INSTRUCTIONS

1. The selection process envisages:-

(a) **Written Test [Max Marks 100 (Weightage 50%)]**. Written test will be of 1 hour duration (approx) and will carry 100 marks (Weightage 50%). A candidate will be required to score minimum 33% marks to qualify for the next step of the selection process. However, the minimum required marks may be increased upto 50% by the Board of Officers to limit the number of candidates for the next step of the selection process. The written test will consist of the following:-

Ser	Subject	Marks
(i)	General Knowledge	15
(ii)	General English	15
(iii)	Basic Maths	10
(iv)	Subject test of appropriate level	60
	Total	**100**

(b) **Skill / Proficiency Test [Max Marks 50 (Weightage 30%)]** The syllabus for the skill / proficiency test is enclosed as Appendix to this Call letter

Ser	Subject	Marks
(i)	Good Laboratory Practices, Lab Safety and Lab SOP	10
(ii)	Laboratory Apparatus & Equipment handling	10
(iii)	Other topics from the Appendix as decided by the Board of Officers	30
	Total	**50**

(c) **Interview [Max Marks 100 (Weightage 15%)]**.

(d) **Higher Qualification & Experience [Max Marks 50 (Weightage 5%)]**.

2. Answer Sheets of the Written Test would be shown to the candidates after evaluation. These can be seen within 7 days of evaluation of the written test. No request will be entertained thereafter. In case, any candidate is not able to be physically present to see her Answer Sheet then the candidate may forward a written request to the School from her registered email id within 5 days of declaration of result of the written test and make payment of Rs 50/- into School Bank Account, i.e. PRINCIPAL, SAINIK SCHOOL BHUBANESWAR, UNION BANK OF INDIA, Branch: CHANDRASEKHARPUR, BHUBANESWAR, Account No: 450501010028108, IFS Code: UBIN0545058. A scanned copy of the candidate's own Answer Sheet will be provided within two days of the receipt of such request subject to payment of requisite fee.

IMPORTANT

All the candidates provisionally shortlisted are required to bring all the original certificates pertaining to their Date of Birth, Educational Qualification, Caste, Experience, No Objection Certificate, etc. In case of failure to produce the requisite documents in original at the time of documents verification, they will not be allowed to appear in the written test.

PHYSICS PRACTICAL SYLLABUS

1. To measure diameter of a small spherical/cylindrical body and to measure internal diameter and depth of a given beaker/calorimeter using Vernier Callipers and hence find its volume.

2. To measure diameter of a given wire and thickness of a given sheet and volume of an irregular lamina using screw gauge.

3. To determine radius of curvature of a given spherical surface by a spherometer.

4. To determine the mass of two different objects using a beam balance.

5. To find the weight of a given body using parallelogram law of vectors.

6. Using a simple pendulum, plot its L-T graph, find effective length, time period of second's pendulum.

7. To study the relationship between force of limiting friction and normal reaction and to find the co-efficient of friction between a block and a horizontal surface and inclined plane. Study its relationship with the angle of inclination θ by plotting graph between force and $\sin\theta$

8. To determine Young's modulus of elasticity of the material of a given wire.

9. To find the force constant of a helical spring by plotting a graph between load and extension.

10. To study the variation in volume with pressure for a sample of air at constant temperature by plotting graphs between P and V, and between P and 1/V.

11. To determine the surface tension of water by capillary rise method.

12. To determine the coefficient of viscosity of a given viscous liquid by measuring terminal velocity of a given spherical body.

13. To study the relationship between the temperature of a hot body and time by plotting a cooling curve.

14. To determine specific heat capacity of a given solid by method of mixtures.

15. To study the relation between frequency and length of a given wire under constant tension using sonometer.

16. To find the speed of sound in air at room temperature using a resonance tube by two resonance positions.

17. To determine resistivity of two / three wires by plotting a graph for potential difference versus current.

18. To find resistance of a given wire / standard resistor, verify the laws of combination (series/ parallel) of resistances using a meter bridge.

19. To determine resistance of a galvanometer by half-deflection method and to find its figure of merit.

20. To find the frequency of AC mains with a sonometer.

21. To find the value of v for different values of u in case of a concave mirror and convex lens and to find the focal length using graphs.

22. To find the focal length of a concave lens, using a convex lens.

23. To determine angle of minimum deviation for a given prism by plotting a graph between angle of incidence and angle of deviation.

24. To determine refractive index of a glass slab using a travelling microscope.

25. To find the refractive index of a liquid using convex lens and plane mirror.

26. To find the refractive index of a liquid using a concave mirror and a plane mirror.

27. To draw the I-V characteristic curve for a p-n junction diode in forward and reverse bias.