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अनुक्रमांक

Time Allowed निर्धारित समय	2 Hrs. 30 Min.
Max. Marks अधिकतम अंक	150

**QUESTION BOOKLET  
2023**  
**प्रश्न पुस्तिका**

Question  
Booklet Set  
प्रश्न पुस्तिका सेट

**B**

305598

Question Booklet No.  
प्रश्न पुस्तिका संख्या

**PHYSICS, CHEMISTRY AND MATHEMATICS**

**GENERAL INSTRUCTIONS**

Examinee is directed to read carefully the following instructions :

- Examinee must write his/her Roll Number in the specified box on the top left hand corner of this page. Answers are required to be marked only on the Computerised O.M.R. Answer sheet which is being provided to the examinee.
- Besides filling in the Roll Number, the examinee has to put his/her signature on the Answer Sheet and also fill other required details like Name, Roll Number, Question Booklet code, etc. as indicated on the Answer OMR Sheet. If these details are not filled in by the examinee, his/her Answer Sheet will not be evaluated.
- For each question, there are four alternative answers, out of which only one is correct. Examinee must darken the circle of correct option in the Answer Sheet by Black Ball Pen only. In case of giving more than one option to a question, it will be counted as wrong answer and marks will be deducted accordingly.
- There are 40 (36+4) pages in this Question-Booklet including 1 page for General Instructions and three blank pages for Rough Work in the last. In case an examinee receives an incomplete or defective Question Booklet, he/she should make a request to the Room Invigilator to change the same within 10 minutes of start of the exam.
- This Question Booklet contains 150 questions from following subjects :  
(1) Physics Q. Nos. 1 - 50  
(2) Chemistry Q. Nos. 51 - 100  
(3) Mathematics Q. Nos. 101 - 150
- Each question carries 1 mark and  $\frac{1}{4}$  mark will be deducted for each wrong answer.
- In case of any discrepancy between the English and Hindi versions of any question, the English version will be treated as final/authentic.
- Possession and use of electronic devices such as Calculator, Cellular Phone, Digital Diary, Log Table, Pager etc., are restricted during the examination.
- Any leaf from the Question Booklet should not be detached. After the Examination, Answer-Sheet must be handed over to the Room Invigilator.
- During examination the examinee will not be allowed to leave the examination hall till the END of the Examination.
- Examinee can carry Question Booklet once the Examination is completed.

**सामान्य निर्देश**

परीक्षार्थी को निम्नलिखित निर्देशों को ध्यान से पढ़ने के लिये निर्देशित किया जाता है :

- परीक्षार्थी अपने अनुक्रमांक इस पृष्ठ के बर्ने हाथ के ऊपरी कोने पर दिने गये बॉक्स में अंकित करें। उत्तर केवल कम्प्यूटीराइज ओ.एम.आर. उत्तर-पत्रक पर अंकित करना है, जो परीक्षार्थी को उपलब्ध कर दिया जा रहा है।
- अनुक्रमांक करने के अलावा, परीक्षार्थी को उत्तर-पत्रक पर अपना हस्ताक्षर अंकित करना होगा। साथ ही अन्य आवश्यक विवरण जैसे - नाम, अनुक्रमांक, प्रश्न-पुस्तिका कोड इत्यादि को भरना होगा तथा कि उत्तर ओ.एम.आर. पत्रक पर करना पड़ेगा है। यदि इन विवरणों को परीक्षार्थी ने नहीं भरा है तो उनके उत्तर-पत्रक का मूल्यांकन नहीं किया जायेगा।
- प्रत्येक प्रश्न के लिये, चार वैकल्पिक उत्तर दिये गये हैं, जिनमें से केवल एक ही सही है। परीक्षार्थी को केवल सही बॉल पेन से उत्तर पत्रक में सही विकल्प वाले घुल को काला करना है। एक प्रश्न के लिए एक से अधिक विकल्प देने पर उत्पत्ती उत्तर गलत उत्तर के रूप में की जायेगी एवं कटुताओं अंकों की कटौती की जायेगी।
- इस प्रश्न-पुस्तिका में 40 (36+4) पृष्ठ हैं जिनमें सामान्य निर्देशों के लिये 1 पृष्ठ और अंत में एक काम के लिए तीन खाली/सादे पृष्ठ शामिल हैं। अगर किसी परीक्षार्थी को अपूर्ण या दोषपूर्ण प्रश्न-पुस्तिका मिलती है तो उसे परीक्षा शुरू होने के 10 मिनट के भीतर बदलने के लिए कमरे के परीक्षक से अनुरोध करें।
- इस प्रश्न-पुस्तिका में निम्नलिखित विषयों में 150 प्रश्न शामिल हैं :  
(1) भौतिक विज्ञान प्रश्न संख्या 1 - 50  
(2) रसायन विज्ञान प्रश्न संख्या 51 - 100  
(3) गणित प्रश्न संख्या 101 - 150
- प्रत्येक प्रश्न एक अंक का है और प्रत्येक गलत उत्तर के लिए  $\frac{1}{4}$  अंक काटा जायेगा।
- यदि किसी प्रश्न के हिन्दी तथा अंग्रेजी अनुवाद में कोई अंतर है, तो अंग्रेजी अनुवाद को ही सही माना जायेगा।
- परीक्षा के दौरान इलेक्ट्रॉनिक उपकरणों जैसे कि कैलकुलेटर, सेल्यूलर फोन, डिजिटल डायरी, लॉग टेबल, पेजर आदि को अपने पास रखना और उपयोग प्रतिबंधित है।
- प्रश्न-पुस्तिका में कोई भी पृष्ठ अलग नहीं करें। परीक्षा के बाद उत्तर-पत्रक कमरे के परीक्षक को सौंप दें।
- परीक्षा के दौरान, परीक्षार्थी को परीक्षा के अंत तक परीक्षा हॉल छोड़ने की अनुमति नहीं दी जायेगी।
- परीक्षा के समाप्त होने के पश्चात् परीक्षार्थी प्रश्न पुस्तिका ले जा सकते हैं।

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web balancing chemical equations ks3 gcse answers chemistrytutor me 2018 page 3 of 3  $3 \text{fe} + 2 \text{o}_3 \rightarrow 3 \text{co} + 2 \text{fe}_3\text{O}_4$   $2 \text{h}_3\text{po}_4 + 3 \text{baoh}_3 \rightarrow 3 \text{po}_4 + 2 \text{h}_2\text{o} + 4 \text{mg} + \text{nh}_4\text{po}_4$   $2 \text{p} + 2 \text{o}_7 + 2 \text{nh}_3 + \text{h}_2\text{o} \rightarrow 4 \text{al} + 3 \text{h}_2\text{so}_4 + 2 \text{al}_2\text{so}_4 + 3 \text{h}_2 + 4 \text{p}_4\text{o}_{10}$   $3 \text{hcl} + \text{pocl}_3 + 3 \text{hpo}_3 + 4 \text{hno}_2 + \text{h}_2\text{o} + 3 \text{o}_2 + 4 \text{hno}$

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