Time Allowed
Auffic Haq 2 Hrs. 30 Min.
Max. Marks
Signature Sign

QUESTION BOOKLET 2023 प्रश्न पुस्तिका Question Booklet Set प्रश्न पुस्तिका सेट

Question Booklet N

## PHYSICS, CHEMISTRY AND MATHEMATICS

# GENERAL INSTRUCTIONS

Examinee is directed to read carefully the following instructions:

Examinee must write his/hor 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.

3. For each question, there are four alternative answers, out of which only one is correct. Examines must darken the circle of correct option in the Answer Sheet by Black Bail 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.

4. There are 40 (36+4) pages in this Question-Booklet including I 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 (2) Chemistry (3) Mathematics Q: Nos. - 1 - 50 Q: Nos. - 51 - 100 Q: Nos. - 101 - 150

- Each question carries 1 mark and ½ 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 examines will not be allowed to leave the examination ball till the END of the Examination.
- Examinee can carry Question Booklet once the Examination is completed.

#### सामान्य निर्देश

परिवार्थी को निम्नतिक्षित निर्देशों को ध्यान से चढ़ने के लिये निर्देशित किया जाता है

- ਪਟਿਸ਼ਾਹੀਂ ਤਰਕਾ ਤਜ਼੍ਹਤਸ਼ੰਕ इस ਪ੍ਰਦਾ के ਕਾਵੇ ਜ਼ਬਾ के ਤਸਦੀ ਕੱਸੇ ਜਾ ਵਿੱਚ ਸਬੇ। ਕੀਵਰਕੀ ਜੋ ਤਾਂ ਕਿਹਾ ਕਮੈ। ਤਰਵ ਕੈਕਰਾ ਕਜ਼ਾਗ੍ਰਦੀ ਸੂਚ ਤਜ਼ੇ, ਦ੍ਰਸ, ਤਰਦ, ਪਰਕਾ ਜਾ ਤਰਿਕਾ ਕਰਕਾ ਹੈ, ਕੀ ਦਰਿਗਾਹੀਂ ਕੰਮੇ ਤਜ਼ਰਕਮ ਕਰਕਾ ਕਰ ਹਨ ਹੈ।
- अनुक्रमांच माने के आलावा, परिकार्यों को उत्तर-पड़क पर अपना इस्ताबार अंकित काना होगा । साथ ही अन्य आवस्त्रक विवास वैसे - नाम, अनुक्रमांच, प्राप-मुस्तिका कोड इस्तादि को भएता होगा वैका कि उत्तर औ. एम. अगर, पत्रक प्राप्त वात्रमा पत्र है। बदि इन विवासों को परिकारों ने नहीं भए है हो उनके उत्तर-पत्रक का मुख्यांचन नहीं किया जानेगा।
- प्राच्चेक प्राप्त के लिए, यह वैकल्पिक उत्तर दिये गये हैं, विकर्त से केवल एक ही खड़ी हैं। परिशायीं को केवल करते बॉल देन से उत्तर प्रश्न में शरी विकास वाले वृत को काला करता है। एक प्रश्न के लिए एक से अधिक विकास देने पर उसकी शक्या गरल उत्तर के सम में की जायेगी एवं कट्सूसार अंकर्र की कटोड़ी की जायेगी ।
- 4. इस प्रस-पुश्चिका में 40 (36+4) पूप्त हैं किसमें सामान्य निर्देशों के लिये 1 पूप्त और अंत में एक काम के लिए तीन खाली/सादे पूप्त शामिल है। अगर किसी परीकार्यों को अपूर्ण था दोकपूर्ण प्रस्त-पुश्चिका मिलतों है से उसे परिवा सुक्र होने के 10 मिनट के भीतर बदलने के लिए कमरे के परिवास से अनुरोध करें।
- इस प्रस्त-पुनित्या में निल्लितिक विषयों से 150 प्रस्त शाधिल है :

भौतिक विज्ञान
 एसायन विज्ञान

সকল ভাল্ডনা সকল ভাল্ডনা

1 - 50 51 - 100

(व) गणित

प्रश्न संख्या 101 – 150

- प्रत्येक प्रश्न एक अंक का है और प्रत्येक गलत जवाब के लिए ¼ अंक कहा जावेगा।
- पदि किसी प्राप के दिन्दी तथा अंग्रेजी अञ्चलद में कोई अंतर है, तो अंग्रेजी अञ्चलद को ही सही सनका आवेगा ।
- परीधा के दौरान इलेक्ट्रॉविक उपकरओं की कि कैलक्ट्रॉटर, सेल्क्ट्रर फोन, दिक्टिल दायरी, साँग टेक्ट, पेजर आदि की अपने पास रखना और उपयोग प्रतिबंधित है।
- प्रस्त-पुस्तिका में कोई भी पृथ्व अलग नहीं करें। प्रतिहा के बाद उत्तर-प्रका कामें के प्राधिकक को लीप हैं।
- परीक्षा के दौरान, परीक्षाची को परीक्षा के अन्य तक परीक्षा झांल छोड़ने की अनुमति नहीं दी जावेगी।
- 11. परिसा के समाप्त होने के पश्चात् परीकार्थी प्रश्न पुस्तिका ले का समाते हैं।

Page No. 1

04 PECE

B

# **Polytechnic Question Paper 23**

**H Kauffman** 

#### **Polytechnic Question Paper 23:**

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Parliamentary Papers Great Britain. Parliament. House of Commons, 1920 Journal of Gas Lighting ,1914 Advances on P2P, Parallel, Grid, Cloud and Internet Computing Leonard Barolli, 2022-10-17 This book aims to provide latest research findings innovative research results methods and development techniques from both theoretical and practical perspectives related to P2P Grid Cloud and Internet computing as well as to reveal synergies among such large scale computing paradigms P2P Grid Cloud and Internet computing technologies have been very fast established as breakthrough paradigms for solving complex problems by enabling aggregation and sharing of an increasing variety of distributed computational resources at large scale Grid Computing originated as a paradigm for high performance computing as an alternative to expensive supercomputers through different forms of large scale distributed computing P2P Computing emerged as a new paradigm after client server and web based computing and has shown useful to the development of social networking B2B Business to Business to Consumer B2G Business to Government B2E Business to Employee and so on Cloud Computing has been defined as a computing paradigm where the boundaries of computing are determined by economic rationale rather than technical limits Cloud computing has fast become the computing paradigm with applicability and adoption in all application domains and providing utility computing at large scale Finally Internet Computing is the basis of any large scale distributed computing paradigms it has very fast developed into a vast area of flourishing field with enormous impact on today s information societies serving thus as a universal platform comprising a large variety of computing forms such as Grid P2P Cloud and mobile computing Technology for Large Space Systems **Parliamentary Debates** New Zealand. Parliament, 1971 Henry Darwin Rogers, 1808–1866 Patsy ,1990 Gerstner, 2014-12-20 Henry Darwin Rogers is a familiar figure in the history of American geology especially as the director of

the first state geological surveys of New Jersey and Pennsylvania Although best remembered for the survey work Rogers considered his theory of mountain elevation to be his most important scientific legacy Based on studies of the Appalachian Mountains Rogers s elevation theory was the first American explanation of the dynamics of elevation As a study of the Pennsylvania survey this volume offers new insight into the origin and problems associated with early surveys As a study of Rogers s life and work it presents a portrait of a man with strong convictions and dedication and examines the development and application of his ideas An Empire of Magnetism Edward J. Gillin, 2023-11-21 During the 1840s and 1850s the British government financed a world wide investigation into how the Earth's magnetic phenomena operated consisting of a network of naval expeditions and colonial observatories Questions surrounding terrestrial magnetism were not just philosophical but engendered urgent concerns over accurate navigation on which Britain's commercial and colonial power relied The British Magnetic Survey was celebrated at the time as the most extensive state orchestrated scientific enterprise ever conducted Yet although it was a fundamentally global endeavour both in terms of its scale and its impact the experimental instruments and techniques required were to be found amid Britain's booming local industry where the harnessing of coal and iron and use of steam power shaped a scientific culture prominently concerned with the relationship between heat pressure and motion In particular it was philosophical apparatus fashioned within the mines of Cornwall that the government was able to conscript within this world wide magnetic investigation These locally produced experimental techniques and technologies proved capable of transformation into a system for obtaining magnetic measurements from over great expanses of time and space As An Empire of Magnetism demonstrates this not only sustained an immense world wide scientific investigation but became inseparable from the proliferation of empire sustaining colonial expansion and unprecedented multi cultural exchanges as British naval crews and natural philosophers surveyed previously unknown regions in the search for magnetic data In so doing Edward Gillin argues that the British Magnetic Survey had broader implications over the formation of the modern state the expansion of nineteenth century empire and the development of global science The British Printer ,1888

Educational Conflict and the Law (1986) David Milman,2017-12-22 Published in 1986 this book considers how relationships within the education system are growing more complicated as staff pupils and parents are increasingly aware of their legal rights and willing to assert them It discusses possibilities for conflict such as growing teacher militancy and an emphasis on staff development and appraisal causing tension The book also considers moves towards accountability and the increasing involvement of governors and teachers presenting further sources of conflict Finally it looks as truancy and other pupil difficulties involving legal issues Teachers headmasters and other concerned parties are frequently unaware of the precise nature of their rights and responsibilities However underlying and regulating all educational activities is educational law as set out in various Acts of Parliament This book provides a comprehensive overview of educational law from 1986 and discusses how it relates to controversies in education It covers all aspects of the topic including the administrative

arrangements the independent sector multiracial education and teachers contractual obligations **Ouestions and Answers** on Finance of International Trade, 2013-12-01 This revision guide is intended to serve as a complement to the textbook Its aim is essentially to provide past examination questions set by the Institute of Bankers and the examiners own answers together with past questions set at the City of London Polytechnic and other questions with their answers This gives the reader a wider range of topics which reflects the contents of the textbook and permits of selectivity to meet need It is suggested that as each textbook chapter is read the relevant section in the Revision Guide should be attempted in order to test knowledge and understanding thereby further enhancing the learning process To facilitate this the guide is set out section by section to match the chapters in the textbook Several sections are prefaced by introductions to bridge the gap between textbook and questions In addition questions are presented in succeeding order of difficulty so that readers can move from the less to the more complex at their own speed November 1985 L Waxman vii Passing the Examination The Banking Diploma Stage 2 Examination Finance of International Trade The Institute of Bankers Diploma examinations take place twice yearly in April and September Prospective candidates who wish to prepare themselves as thoroughly as possible and who are using the associated textbook to this revision guide will find the guestion and answers which it contains an indispensable means of preparation for the examination paper Finance of International Trade Minutes of Proceedings London County Council, 1904

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