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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 कंप्यूटीराइज 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 जिस पर ओ.एम.आर. पत्रक पर बताया गया 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 बूल को काला करना है। एक प्रश्न के लिए एक से अधिक विकल्प देने पर उसकी सही 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 घटाया 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।

SEAL

# Polytechnic Question Paper 23

**LP Steffe**



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web islamic inheritance jurisprudence is a field of islamic jurisprudence arabic فقه that deals with inheritance a topic that is prominently dealt with in the qur an it is often called mīrāth and its branch of islamic law is technically known as ‘ilm al farā’iḍ arabic فروع الفقه the science of the ordained quotas 1

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web all those rules are specified in islamic law of inheritance the research will highlight the right of inheritance for both males and females under the hanafi law of inheritance and point out the present situation of practicing this power in

bangladesh

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web dec 17 2021 about half of the world s muslim majority countries have some sharia based laws typically governing areas such as marriage and divorce inheritance and child custody

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web sharia table of contents sharia inheritance wills estates an individual s power of testamentary disposition is basically limited to one third of his or her net estate i e the assets remaining after the payment of funeral expenses and debts

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web jun 15 2022 last updated 14 aug 2023 pdf islamic inheritance law al fara id is refined and commanded law by almighty allah almighty had reserved and held the right of legislative power find read

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web it is highly recommended to make a will keep it at a place known to few family members sharia fixes the rules for inheritance distribution is done accordingly the islamic rules for inheritance permit a maximum of 1 3 rd of the wealth to be used as per the will of the deceased provided such a specific will was made it is beneficial that a person makes a

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web jan 2 2020 the islamic law of inheritance is a mandatory intestacy inheritance system that means the estate of a decedent is distributed according to a prescribed share formula in the qur an as the qur an states this is an apportionment from god in truth god is all knowing all wise 4 10

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web mar 8 2019 the heirs and descendants have the right to claim the estate of the deceased according to the shariah law for muslims whereas beneficiaries of the will can claim the estate in case of non muslims if there is a legally certified will in case of a deceased muslim the estate will only be transferred to those who qualify as an heir under

inheritance laws wikiislam - Jul 06 2022

web feb 23 2021 islamic inheritance law is a field of jurisprudence fiqh in islamic law sharia while most detailed topics of islamic law are not discussed in the qur an islamic inheritance law is unique as it takes up multiple pages of the holy book while the inheritance laws revealed to muhammad in the qur an generally improved the fate of

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web based on the massive interest and responses received it was decided to publish all of the q a together with a brief understanding of the logic and methodology of inheritance according to islamic law that is used to compute the shares of the heirs of a deceased

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web al quran 4 13 14 the laws of inheritance take on an even greater prominence in islam because of the restriction placed by shari ah on the testamentary power of the testator as we shall see later in this article the divine justness and equitability of the islamic laws of inheritance have been correctly appreciated by many non muslim scholars

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web in islam the heirs of a deceased muslim s wealth are determined in the shariah and apply to every muslim what s more a muslim is not permitted to distribute their wealth to only a select few of the heirs that are outlined the heirs and their shares are fixed

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web sep 13 1997 answer praise be to allah al hamdu lillaah the division of the inheritance in the case you mention is as follows an eighth of it is due to the wife since the father had children as indicated in the verse intepretation of the meaning

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web 9 grandfather only father s father is eligible mother s father is not eligible 10 paternal grandmother father s mother is eligible 11 maternal grandmother mother s mother is eligible 12 full brothers brothers who share the

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web 24 june 2021 2020 islamicsoftware org license cc by nc nd this calculator implements the inheritance rules set in the quran and the authentic hadith only it is meant for those who prefer not to follow any one religious sect or juristic school if you prefer to follow a juristic school then you may find the irth program more useful to

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web jun 25 2019 fixed obligations as with other legal systems under islamic law the deceased s estate must first be used to pay funeral expenses debts and other obligations what remains is then divided amongst heirs the quran says of what they leave after any bequest they may have made or debt 4 12 writing a will

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web may 21 2020 the islamic law of inheritance is based on the principle of fair and equitable division among heirs however there are some qur anic verses that specify different shares for different relatives for example a husband is entitled to a double share of his wife s inheritance and a parent is entitled to a double share of their child s

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web may 25 2021 i have a problem with my panel data regression the dataset shows a balanced panel consisting of n 10 t 26 n 260 however once i start my regression i get an unbalanced panel and the n declines to 7 i am assuming that it is because i do have nas in my dataset

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web efficiency measurement with unbalanced panel data evidence from tunisian textile clothing and leather industries

journal of productivity analysis vol 13 no 3 may 2000 pp 249 262

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web unbalanced fault analysis zthe first step in the analysis of unbalanced faults is to assemble the three sequence networks zconsider the following example  $\Delta t$  1 g 1 t 2 transmission line v t 1 05 g 2 j0 0 5 fault  $\Delta g$  1 mva voltage x x x o 100 11 kv 0 15 0 05 g2 100 11 kv 0 20 0 1 t1 100 11 220kv 0 1 t2 100 11 220kv 0 1 line 100 220kv

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web dec 21 2021 because the index is rebalanced over time some companies have dropped out of it in some years and therefore we have an unbalanced panel i e some companies will have no data in some years say now i want to obtain the principal components of the index for the entire time period

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web in this paper we consider the estimation and inference of unbalanced panel data models with csd when n is large and t is small to our best knowledge it is the first paper to study the cce estimator for unbalanced panel data also our paper contributes the literature on panel data model with cross sectional depen dence when t is small

unbalanced panel data which approach stata - Oct 14 2023

web feb 16 2017 13 feb 2017 01 17 kristian as marcos said stata can handle both balanced and unbalanced panel dataset without any problem hence this is not the main issue there whereas implementing a two way error component model probably is please see stata com stataлист arch msg00829 html

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web hi i have an unbalanced panel data cross country included 18 and periods 20 years when i run panel unit root tests llc breitung im pesaranm adf fisher pp fisher i get mixed results i

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web it is heavily unbalanced panel because some countries have only two surveys and some has as much as 7 surveys time gap between surveys are different from 1 year to 7 years average is 5

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web aug 9 2018 hello everyone i m currently trying to figure out the correct way to set up a workfile correctly for my dataset my data i send the excel file attached is unbalanced panel data in the sense that not all the firms my dissertation is in finance have data for all years from 2005 to 2016

r measures for unbalancedness of panel data - Dec 04 2022

web details punbalancedness returns measures for the unbalancedness of a panel data set for two dimensional data the two measures of ahrens and pincus 1981 are calculated called gamma gamma  $\gamma$  and nu nu  $\nu$  if the panel data are balanced both measures equal 1 the more unbalanced the panel data the lower the measures but 0

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web jan 4 2022 panel data can be balanced or unbalanced in a balanced panel all panel members cross sectional data have measurements in all periods or each panel member is observed every year

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web this paper surveys the econometrics literature on unbalanced panels this includes panels with randomly and non randomly missing observations in addition we survey panels with special features including pseudo panels

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web mar 16 2021 read chap 5 of the oxford handbook of panel data by bai liao and liang which deals with unbalanced panel models with interactive effects they propose new algorithms that allow for various types of unbalanced panels and show their performance using monte carlo experiments

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web this paper derives the best linear unbiased prediction blup for an unbalanced panel data model starting with a simple error component regression model with unbalanced panel data and random effects it generalizes the blup derived by taub 1979 to unbalanced panels next it derives the blup

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web unbalanced panel n 140 t 7 9 n 1031 residuals min 1st qu median 3rd qu max 12 13926 1 21442 0 20655 1 02437 17 11197 coefficients estimate std error t value pr t emp 0 119813 0 031103 3 8521 0 0001255 so you can use unbalanced data without any additional adjustment to the plm code itself

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web feb 25 2022 what is the difference between balanced and unbalanced panels select one a unbalanced panels have some observations missing balanced panels do not b balanced panels are demographically representative of the population being studied unbalanced panels are not c balanced panels have an equal number of

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web unbalanced panel most introductory texts restrict themselves to balanced panels despite the fact that unbalanced panels are the norm for example in large panel data sets like the soep there are always some individuals who drop out of the sample the reason for the absence of data is important

*unbalanced panel data econometrics of panel data methods* - Mar 07 2023

web this chapter extends some of the models and procedures discussed in chapters 2 and 3 to handle unbalanced panel data with unobserved heterogeneity types of unbalance are discussed and may affect the preferred procedure

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web dec 29 2021 lianne mcLeod dvm is a small animal and exotic pet expert with over a decade of experience writing about veterinary care after caring for animals in her veterinarian practice lianne went on to study biology and research water quality and chronic disease at the university of saskatchewan

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