



Birla Public School, Doha - Qatar
Half Yearly Examination – May 2023
Science (Set B) - 086

Class: X
Date: 28-05-2023

Time Allowed: 30 mins
Max. marks: 20

General Instructions:

1. This question paper consists of 39 questions in 5 sections.
2. All questions are compulsory. However, an internal choice is provided in some questions. A student is expected to attempt only one of these questions.
3. Section A consists of 20 objective type questions carrying 1 mark each.
4. Section B consists of 6 Very Short questions carrying 02 marks each. Answers to these questions should be in the range of 30 to 50 words.
5. Section C consists of 7 Short Answer type questions carrying 03 marks each. Answers to these questions should be in the range of 50 to 80 words.
6. Section D consists of 3 Long Answer type questions carrying 05 marks each. Answer to these questions should be in the range of 80 to 120 words.
7. Section E consists of 3 source-based/case-based units of assessment of 04 marks each with sub-parts.
8. This question paper has 10 printed pages.
9. Reading time 15 minutes
10. Question paper attempting time -180 minutes

SECTION – A

1. The following reaction is used for the preparation of oxygen gas in the laboratory:



Which of the following statement(s) is (are) correct about the reaction? [1]

- ☒ (a) It is a decomposition reaction and endothermic in nature
- (b) It is a combination reaction
- (c) It is a decomposition reaction and accompanied by the release of heat
- (d) It is a photochemical decomposition reaction and exothermic in nature

2. Barium chloride on reacting with ammonium sulphate forms barium sulphate and ammonium chloride. Which of the following takes place in this reaction? [1]

- (A) exchange of atoms takes place
- (B) exchange of ions takes place
- (C) a precipitate is produced
- (D) an insoluble salt is produced

The correct option is

- (a) (B) and (D)
- (b) (A) and (C)
- (c) only (B)
- ☒ (d) (B), (C) and (D)

June 2006 Bya6 Question Pper

Clemens Wendtner



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Cambridge International AS and A Level Computing Coursebook Chris Leadbetter, Roger Blackford, Tony Piper, 2012-03
Written for the AS A Level Computing syllabus this coursebook follows the bullet points of the syllabus chronologically

The Crime of Aggression under the Rome Statute of the International Criminal Court Carrie McDougall, 2013-04-18 This guide to the crime of aggression provisions under the Rome Statute of the International Criminal Court ICC offers an exhaustive and sophisticated legal analysis of the crime s definition as well as the jurisdictional provisions governing the ICC s exercise of jurisdiction over the crime A range of practical issues likely to arise in prosecutions of the crime of aggression before the ICC are canvassed as is the issue of the domestic prosecution of the crime It also offers an insight into the geopolitical significance of the crime of aggression and the activation of the ICC s ability to exercise its jurisdiction over the crime The author s intimate involvement in the crime s negotiations combined with extensive scholarly reflection on the criminalisation of inter State uses of armed force makes this highly relevant to all academics and practitioners interested in the crime of aggression

Cambridge IGCSE Economics Student's Book Susan Grant, 2014-04-17 Endorsed by Cambridge International Examinations the books cover the Cambridge syllabus 0455

Solved Papers YCT Expert Team , 2023 24 NTA UGC NET JRF English Solved Papers , **Endocrine Evaluation** Ian Ramsey, 2006

Land-Atmospheric Research Applications in South and Southeast Asia Krishna Prasad Vadrevu, Toshimasa Ohara, Chris Justice, 2018-03-26 This edited volume sheds new light on the impact of rapid Land Use Cover Changes LU CC on greenhouse gases GHG s and aerosol emissions in South and Southeast Asia Several countries in South Southeast Asia have the highest population growth rates in the world which is the main cause for LU CC Conversion of dense forests to agricultural areas and then to residential and urban areas is most commonly observed in South Southeast Asian countries with a significant release of GHG s and aerosols The book showcases several case studies on the use of remote sensing and geospatial technologies to quantify biomass burning and air pollution impacts aerosol pollution LU CC and impacts on ecosystem services The book also includes articles on regional initiatives in research capacity building and training The authors of this book are international experts in the field and their contributions highlight significant drivers and impacts of air pollution in South Southeast Asia Readers will discover the latest tools and techniques in particular the use of satellite remote sensing and geospatial technologies for quantifying GHG s aerosols and pollution episodes in this region

MAT 23 years Topic-wise Solved Papers (1997-2019) 8th Edition Disha Experts, 2019-07-02 MAT 20 years Topic wise Solved Papers 1997 2016 consists of detailed solutions of the past 20 years of MAT question papers distributed in 55 topics The book is divided into 5 sections MATHEMATICAL SKILLS LANGUAGE COMPREHENSION DATA ANALYSIS AND SUFFICIENCY INTELLIGENCE AND CRITICAL REASONING and INDIAN AND GLOBAL ENVIRONMENT These 5 sections are further divided into 55 chapters The book is also helpful for other exams like CMAT NMAT ATMA IRMA SNAP Bank PO

Bank Clerk SSC Railways etc To summarise the book is aimed to serve as one stop solution for all major Competitive Exams The book contains 5800 Milestone problems for the major Competitive Exams The book is fully solved and provides detailed explanation to each and every question The layout of the book is so simple that a student can prepare revise a topic and then solve the previous year questions of that topic from this book

The Law and Politics of the Kosovo Advisory Opinion

Marko Milanovic, Michael Wood, 2015-03-19 This volume is an edited collection of essays on various aspects of the 2010 Kosovo Advisory Opinion of the International Court of Justice The main theme of the book is the interplay between law and politics regarding Kosovo's independence generally and the advisory opinion specifically How and why did the Court become the battleground in which Kosovo's independence was to be fought out or not How and why did political arguments in favour of Kosovo's independence e.g. that Kosovo was a unique sui generis case which set no precedent for other secessionist territories change in the formal legal setting of advisory proceedings before the Court How and why did states supporting either Kosovo or Serbia choose to frame their arguments How did the Court perceive them What did the Court want to achieve and did it succeed in doing so And how was the opinion received and what broader implications did it have so far These are the questions that the book hopes to shed some light on To do so the editors assembled a stellar cast of contributors many of whom acted as counsel or advisors in the case as well a number of eminent scholars of politics and international relations whose pieces further enrich the book and give it an interdisciplinary angle The book thus tells the story of the case places it within its broader political context and so attempts to advance our understanding of how such cases are initiated litigated and decided and what broader purposes they may or may not serve

Sitting in Judgment

Penny Darbyshire, 2011-09-30 The public image of judges has been stuck in a time warp they are invariably depicted in the media and derided in public bars up and down the country as privately educated Oxbridge types usually out of touch and more often than not as old men These and other stereotypes the judge as a pervert the judge as a right wing monster have dogged the judiciary long since any of them ceased to have any basis in fact Indeed the limited research that was permitted in the 1960s and 1970s tended to reinforce several of these stereotypes Moreover occasional high profile incidents in the courts elaborated with the help of satirists such as Private Eye and Monty Python have ensured that the old white Tory judge caricature not only survives but has come to be viewed as incontestable Since the late 1980s the judiciary has changed largely as a result of the introduction of training and new and more transparent methods of recruitment and appointment But how much has it changed and what are the courts like after decades of judicial reform Given unprecedented access to the whole range of courts from magistrates courts to the Supreme Court Penny Darbyshire spent seven years researching the judges accompanying them in their daily work listening to their conversations observing their handling of cases and the people who come before them and asking them frank and searching questions about their lives careers and ambitions What emerges is without doubt the most revealing and compelling picture of the modern judiciary in England and Wales ever seen

From it we learn that not only do the old stereotypes not hold but that modern baby boomer judges are more representative of the people they serve and that the reforms are working But this new book also gives an unvarnished glimpse of the modern courtroom which shows a legal system under stress lacking resources but facing an ever increasing caseload This book will be essential reading for anyone wishing to know about the experience of modern judging the education training and professional lives of judges and the current state of the courts and judiciary in England and Wales

Uncover the mysteries within Crafted by is enigmatic creation, **June 2006 Bya6 Question Pper** . This downloadable ebook, shrouded in suspense, is available in a PDF format (Download in PDF: *). Dive into a world of uncertainty and anticipation. Download now to unravel the secrets hidden within the pages.

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mesopotamia a is a historical region of west asia situated within the tigris euphrates river system in the northern part of the fertile crescent today mesopotamia occupies modern iraq 1 2 in the broader sense the historical region included present day iraq and parts of present day iran kuwait syria and turkey

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mesopotamia mainly modern day iraq and kuwait in particular is often referred to as the cradle of civilization because some

of the most influential early city states and empires first emerged there although it s not the only place

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mesopotamia ancient greek Μεσοποταμία mesopotamiā classical syriac ܒܬ ܢܗܪܝܢ bêt nahrēn means between the rivers the oldest known occurrence of the name mesopotamia dates to the 4th century bc when it was used to designate the area between the euphrates and the tigris rivers

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mar 14 2018 mesopotamia from the greek meaning between two rivers was an ancient region located in the eastern mediterranean bounded in the northeast by the zagros mountains and in the southeast by the arabian plateau corresponding to modern day iraq and parts of iran syria kuwait and turkey and known as the fertile crescent and the cradle of

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web jul 6 2011 this case study was limited to biomarkers for the detection of iron deficiency and determination of its severity iron biomarkers are customarily used in the following settings 1 clinical evaluations a

an unusual presentation of iron deficiency anemia an - Apr 30 2023

web dec 15 2021 this autobiographical case report describes the development of iron deficiency anemia ida with chronic use of omeprazole the patient was a 35 year old male with a history of essential hypertension and gerd who was taking omeprazole 40 mg daily for 3 years for the management of reflux symptoms he developed some mild

iron deficiency anemia statpearls ncbi bookshelf - Aug 03 2023

web aug 7 2023 iron is an essential component of the hemoglobin molecule the most common cause of anemia worldwide is iron deficiency which results in microcytic and hypochromic red cells on the peripheral smear several causes of iron deficiency vary based on age gender and socioeconomic status

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web jul 10 2018 iron deficiency is associated with multiple pathologies including anaemia and defective organ function and formation reference prentice mendoza and pereira 5 iron deficiency in the absence of anaemia is somewhat subtler in its manifestations than other micronutrient deficiencies despite being a major contributor to ill health premature

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web symptoms of iron deficiency anemia are related to decreased oxygen delivery to the entire body and may include being pale or having yellow sallow skin unexplained fatigue or lack of energy shortness of breath or chest pain especially with activity unexplained generalized weakness rapid heartbeat pounding or whooshing in the ears

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web patient overview m j is a 25 year old african american female presenting to her pcp with complaints of fatigue weakness and shortness of breath with minimal activity her friends and family have told her she appears pale and combined with her recent symptoms she has decided to get checked out

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web sep 13 2021 in this case report we present a case of a premenopausal woman with menometrorrhagia leading to severe iron deficiency anemia with record low hemoglobin case presentation a 42 year old hispanic woman with no known past medical history presented with a chief complaint of increasing fatigue and dizziness for 2 weeks

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web iron deficiency and anaemia is common in this population citation 1 management of women with the symptom of hmb and associated iron deficiency with or without anaemia requires dual therapy interventions directed at the cause of the hmb and treatment designed to correct the iron deficiency and anaemia

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web anaemia affects roughly a third of the world s population half the cases are due to iron deficiency it is a major and global public health problem that affects maternal and child mortality physical performance and referral to health care

professionals children aged 0 5 years women of childbearing age and pregnant women are particularly at risk several
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ijms free full text iron deficiency and iron deficiency anemia - Mar 18 2022

web apr 7 2023 iron is one of the essential mineral elements for the human body since hemoglobin hb synthesis consumes the most iron in the human body to produce 200 billion red blood cells daily anemia is a more obvious sign of iron deficiency and iron deficiency anemia ida is usually considered to be a synonym of iron

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web it is the most common nutritional disorder worldwide and accounts for approximately one half of anemia cases 1 2 iron deficiency anemia can result from inadequate iron intake

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