

# **BOARD QUESTION PAPER: MARCH 2014**

#### Note:

- All questions are compulsory.
- Figures to the right indicate full marks.
- iii. Graph papers are not necessary for L.P.P. Only rough sketch of the graph is expected.
- Answers to both the sections should be written in the separate answer books.
- Answer to every new question must be written on a new page.

#### Section - 1

#### Q.1. Attempt any SIX of the following:

- i. If  $A = \begin{bmatrix} 1 & 2 & -3 \\ 5 & 4 & 0 \end{bmatrix}$ ,  $B = \begin{bmatrix} 1 & 4 & 3 \\ -2 & 5 & 0 \end{bmatrix}$ .
  - then find 2A + 3B;
- ii. If the function f is continuous at x = 1, then find f(1).
  - Where  $f(x) = \frac{x^2 3x + 2}{x^2 3x}$  for  $x \neq 1$ .
- iii). If  $x = \tan^{-1}t$  and  $y = t^3$ , find  $\frac{dy}{dx}$ . (2)
- iv. Evaluate: ∫sin<sup>T</sup>x·dv. (2)
- v. Write negation of the following statements:
  - a. Chetan has black hair and blue eyes.
  - b.  $\exists x \in \mathbb{R}$  such that  $x^2 + 3 > 0$ .
- vi. If  $A = \begin{bmatrix} 1 & 1 \\ 2 & 2 \end{bmatrix}$ ,  $B = \begin{bmatrix} 1 & 2 \\ 3 & 4 \end{bmatrix}$  then find [AB]. (2)
- vii. Evaluate:  $\int \frac{dx}{4-9x^2}$  (2)
- viii. If the function f is continuous at x = 2, then find 'k'
  - where  $f(x) = \frac{x^3 + 5}{x 1}$ , for  $1 < x \le 2$ = 4 + 1, for  $x \ge 2$

#### Q.2. (A) Attempt any TWO of the following:

- i. If  $x^y = e^{x-y}$ , show that  $\frac{dy}{dy} = \frac{\log x}{(1 + \log x)^2}$  (3)
- ii. If  $\sin y = x \sin (a + y)$ 
  - prove that  $\frac{dy}{dx} = \frac{\sin^2(a+y)}{\sin a}$ (3)
- iii. Discuss extreme values of the function  $f(x) = x \log x$ .

1121

623

625

625

C25

(35)

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# **2014 March Maths Common Paper**

**Oswaal Editorial Board** 

## 2014 March Maths Common Paper:

INTERMEDIATE II YEAR MATHS II B(English Medium) TEST PAPERS Vikram Books, 2014-10-24 Intermediate second Year Maths II B Test papers Issued by Board of Intermediate Education w e f 2013 2014 INTERMEDIATE II YEAR MATHS II A(English Medium) TEST PAPERS Vikram Books, 2014-10-24 Intermediate second Year Maths II A Test papers Issued by Board of Intermediate Education w e f 2013 2014 **The Future of Coaching** Hetty Einzig, 2017-05-18 We live in a world that is volatile uncertain complex and ambiguous in which our work and lives are constantly disrupted and changing But coaches and leaders are still trained to operate within stable models with a uni focus on performance Coaches are starting to question the remit of raising performance within existing systems many of which are outdated dysfunctional and even toxic The role of the coach today must evolve to become fit for purpose in challenging times and coaching must re articulate its values as the essential compass for navigating turbulent waters In The Future of Coaching Hetty Einzig examines the role of coaching and leadership in the twenty first century and sets out a compelling vision for its future Drawing on experience gained over twenty five years of coaching leaders in the corporate and public sectors in the UK and globally she challenges the tenet of coaching neutrality Rather than simply following the client agenda she encourages coaches to see themselves as partners in courageous leadership and to work towards building an ethical holistic and networked coaching approach to help create businesses that serve society and our globalised world The book asks essential questions of coaches working today how can leaders and coaches become positive deviants and transform the rules of the game within cultures where denial and group think are rife How can coaches work with the anxious and depressed embracing the dark as well as the light Are coaches prepared for the rise of Millennials women leaders and those over sixty the Third Acters Einzig challenges the model of the Strong Leader in favour of Respons able leadership based on authentic strength distributed power and responsive thinking And she shows how this vision of a transformed workplace is essential for the transformations society must undertake to reclaim a positive future This thought provoking collection of essays designed to be read in any order is enlightening and inspiring reading for coaches in practice and in training HR and L D professionals and for leaders everywhere **Knowledge Capture in Financial Regulation** Eva Becker, 2016-04-12 Eva Becker assesses the US financial crisis as a crisis of regulatory data information and knowledge Based on the Financial Crisis Inquiry Commission's interviews as well her own interviews and drawing on Capture Theory and recent reformulations thereof she develops knowledge capture as a theoretic framework to assess financial regulation under conditions of 21st century Oswaal ICSE 10 Sample Question Papers Class 10 Physics, Chemistry, Maths, Biology, English complexity Paper-1 and 2 (Set of 6 Books) For Board Exam 2024 (Based On The Latest CISCE/ICSE Specimen Paper) Oswaal Editorial Board, 2023-11-10 Description of the Product Fresh Relevant with 2024 ICSE ISC Specimen Paper Fully Solved Score Boosting Insights with 500 Questions 1000 Concepts Insider Tips Techniques with On Tips Notes Mind Maps

Mnemonics Exam Ready Practice with 10 Highly Probable SQPs Includes 2023 Board Exam Paper Fully Solved 5 exclusive Sample Question Papers for Oswaal 360 **An Intellectual Biography of Africa** Francis Kwarteng, 2022-07-13 Africa is the birthplace of humanity and civilization And yet people generally don t want to accept the scientific impression of Africa as the birthplace of human civilization The skeptics include Africans themselves a direct result of the colonial educational systems still in place across Africa and even those Africans who acquire Western education particularly in the humanities have been trapped in the symptomatology of epistemic peonage These colonial educational systems have overstayed their welcome and should be dismantled This is where African agency comes in Agential autonomy deserves an authoritative voice in shaping the curricular direction of Africa Agential autonomy implicitly sanctions an Afrocentric approach to curriculum development pedagogy historiography literary theory indigenous language development and knowledge construction Science technology engineering mathematics information and communications technology STEM ICT and research and development R D both exercise foundational leverage in the scientific and cultural discourse of the kind of African Renaissance Cheikh Anta Diop envisaged Mr Francis Kwarteng has written a book that looks at some of the major distortions of African history and Africa's major contributions to human civilization In this context Mr Kwarteng joins a long list of thinkers who roundly reject the foundational Eurocentric epistemology of Africa in favor of an Afrocentric paradigm of Africa's material spiritual scientific and epistemic assertion Mr Kwarteng places S T E M and a revision of the humanities at the center of the African Renaissance and critiques Eurocentric fantasies about Africa and its Diaspora following the critical examples of Cheikh Anta Diop Ama Mazama Molefi Kete Asante Abdul Karim Bangura Theophile Obenga Maulana Karenga Mubabingo Bilolo Kwame Nkrumah Ivan Van Sertima W E B Du Bois and several others Readers of this book will be challenged to look at Africa through a critical lens Ama Mazama editor author of Africa in the 21st Century Toward a New Future There are countless books about the evolution of European intellectual thought but scarcely any that captures the pioneering contributions of Africans since the beginning of recorded knowledge in Kmet a k a Ancient Egypt Well that long drought has ended with the publication of Kwarteng's An Intellectual Biography of Africa A Philosophical Anatomy of Advancing Africa the Diopian Way Prepare to be educated Milton Allimadi author of Manufacturing Hate How Africa Was Demonized in the Media Madness in Life Ananya David, Yashika Mathur, This is the story of a teenage girl named Lenny who lives with her Aunt Mary Lenny has a diary with which she shares her deepest darkest secrets Get ready for a funny adventure as you go through the pages and become a part of her mad mad world 13 Year-wise UPSC CAPF AC Central Armed Police Forces Assistant Commandant Previous Year Solved Papers I & II (2024 - 2012) with 5 Practice Sets 4th Edition | PYQs | General Studies & Descriptive Paper Disha Experts, The updated 4th English edition of the book 13 Previous Year UPSC CAPF AC Assistant Commandant 2024 2012 Solved Papers I II with 5 Practice Sets is very useful for each and every aspirant preparing for Armed Forces The book includes 13 Previous Year Fully Solved Original Question Papers from 2024 to 2012 given year

wise Authentic solutions and explainations to each question is provided at the end of the respective question paper Extensive practice through 5 Practice Sets both for Paper I II with detailed solutions based on the latest pattern and syllabus of CAPF More than 3300 MCQ for practice for Paper I General Awareness Mental Ability The Paper II covers Essay Writing Precis Report Writing Comprehension Gramnmar These Papers can also be used as Mock Tests UPSC CAPF AC Central Armed Police Forces Assistant Commandant Paper I & II Guide with 12 Previous Year Solved Papers & 5 Practice Sets 3rd Edition BSF, CRPF, CISF, ITBP, SSB, NA **Policy-Making in the GCC** Neil Quilliam, Mark C. Thompson, 2019-10-31 The GCC is a major player in the post 2011 reordering of the Middle East Despite the rise in prominence of individual Gulf states especially Kuwait Qatar Saudi Arabia and the United Arab Emirates and the growth of the GCC as a collective entity surprisingly little attention has been paid to the actual mechanics of policy making in the region This book analyses the vital role that institutions are coming to play in shaping policy in the Gulf Arab states The research coincides with two key developments that have given institutions new importance in the policy process the emergence of a new generation of leaders in the Gulf and the era of low oil prices Both developments along with dramatic demographic change have compelled state and citizens to re evaluate the nature of the social contract that binds them together Contributors assess the changing relationship between state and citizen and evaluate the role that formal and informal institutions play in mediating such change and informing policy The book shows how academic social and economic institutions are responding to the increasingly complex process of decision making where citizens demand better services and further empowerment and states are obliged to seek wider counsel although wanting to retain ultimate authority With contributions from both academics and practitioners this book will be highly relevant for researchers and policymakers alike

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