#### SUBJECT: MATHEMATICS CLASS: IX

MAX. MARKS: 80 DURATION: 3 HRS

#### General Instruction:

(i) All questions are compulsory.

(ii) This question paper contains 30 questions divided into four Sections A, B, C and D.

(iii) Section A comprises of 6 questions of 1 mark each. Section B comprises of 6 questions of 2 marks each. Section C comprises of 10 questions of 3 marks each and Section D comprises of 8 questions of 4 marks each.

(iv) There is no overall choice. However, an internal choice has been provided in two questions in 1 mark each, two questions in 2 marks each, four questions of 3 marks each and three questions of 4 marks each. You have to attempt only one of the alternatives in all such questions. (v) Use of Calculators is not permitted

## SECTION - A Questions 1 to 6 carry 1 mark each.

Find the total surface area of a hemisphere of radius 10 cm. (Use π = 3.14)

Find the height of cone, if its slant height is 34 cm and base diameter is 32 cm.

- If the point (3, 4) lies on the graph of the equation 3y = ax + 7, find the value of a.
- 3. Simplify:  $\frac{\sqrt{32} + \sqrt{48}}{\sqrt{8} + \sqrt{12}}$

OB

Find the value of  $\sqrt{3^{-2}}$ .

- 4. In a bag, there are 100 bulbs out of which 30 are defective ones. A bulb is taken out of the bag at random. Find the probability of the selected bulb to be a good one.
- 5. If its perimeter of an equilateral triangle is 180 cm, what will be its area?
- In the below figure. ∠ABC = 69°. ∠ACB = 31°. find ∠BDC.



#### SECTION – B

#### Questions 6 to 12 carry 2 marks each.

7. A river 3 m deep and 40 m wide is flowing at the rate of 2 km per hour. How much water will fall into the sea in a minute?

# **Matric Maths Paper March 24**

**M** Tight

### Matric Maths Paper March 24:

The Education Gazette of the Province of the Cape of Good Hope Cape of Good Hope (South Africa). Education Pratiyogita Darpan ,2008-01 Pratiyogita Darpan monthly magazine is India s largest read General Knowledge and Current Affairs Magazine Pratiyogita Darpan English monthly magazine is known for quality content on General Knowledge and Current Affairs Topics ranging from national and international news issues personality development interviews of examination toppers articles write up on topics like career economy history public administration geography polity social environment scientific legal etc solved papers of various examinations Essay and debate contest Quiz and knowledge testing features are covered every month in this magazine **Handbook of Research on Mathematics** Teaching and Learning Douglas Grouws, 2006-11-01 Sponsored by the National Council of Teachers of Mathematics and written by leading experts in the field of mathematics education the Handbook is specifically designed to make important vital scholarship accessible to mathematics education professors graduate students educational researchers staff development directors curriculum supervisors and teachers The Handbook provides a framework for understanding the evolution of the mathematics education research field against the backdrop of well established conceptual historical theoretical and methodological perspectives It is an indispensable working tool for everyone interested in pursuing research in mathematics education as the references for each of the Handbook's twenty nine chapters are complete resources for both Pratiyogita Darpan ,2008-02 Pratiyogita Darpan monthly magazine is India current and past work in that particular area s largest read General Knowledge and Current Affairs Magazine Pratiyogita Darpan English monthly magazine is known for quality content on General Knowledge and Current Affairs Topics ranging from national and international news issues personality development interviews of examination toppers articles write up on topics like career economy history public administration geography polity social environment scientific legal etc solved papers of various examinations Essay and debate contest Ouiz and knowledge testing features are covered every month in this magazine Commonwealth Learning and Doing Policy Analysis in Education: Examining Diverse Approaches to <u>Universities Yearbook</u>,1992 Increasing Educational Access Maria Teresa Tatto, Justin Bruner, Fida Hussain Chang, Corvell George Cramfield, Tara Miyoko Kintz, Nai-Cheng Kuo, Sandra Kurtti Pylvainen, Andleeb Sharif, 2012-09-17 This book originated in a policy analysis class at Michigan State University taught during 2010 Using Professor Tatto's unique approach to teaching policy analysis the professor and students agreed to construct a class that represented a reflective and grounded experience in the policy analysis of a current and relevant issue with global ramifications we began exploring policies that were developed at the global level and that were implemented locally We investigated the surge of globally developed standards and regulations in an effort to improve education Our goal was to learn cross nationally about policies that seek to reform curriculum and instruction under efficiency and global competitiveness arguments such as Education for All EFA and its USA cousin No

Child Left Behind NCLB We knew our work would be bounded by the time available in a one semester class and by resource constraints We did exploratory inquiry supported by literature reviews reports on rigorous research studies and in one case an exploratory case study. The policies we chose to explore such as EFA and NCLB offered us the opportunity to examine current reform tendencies that are intended to provide access to quality education for all children the preparation of teachers to support diverse populations the organization of schools to accommodate these children in response to vague policy mandates and power issues affecting the different constituencies and stakeholders. The effects of these and other policies were difficult to track because research is scant and decisions are frequently made based on ideology or political persuasion. Our purpose was to explore the critical issues that originated such policies and to search for documented evidence regarding policy implementation and effectiveness. We investigated the factors that seemed to interfere with successful implementation from conceptual theoretical and methodological perspectives. In this class we learned that there are not ready set frameworks for policy analysis but rather that these have to be constructed according to the issues that emerge as policies are conceptualized and implemented to fit local contexts and needs. The book pays particular attention to the contexts of policy including the evolving conceptualization of global and local systems of governance knowledge regimes and policy spaces. The book is designed for faculty and doctoral students in education who are interested in understanding diverse frameworks for policy analysis and for those in the general public who are interested in the policies we analyze here

**Engineering Journal** ,1929 The Journal of the Engineering Institute of Canada Engineering Institute of Canada, 1923 Engineering Journal, 1940 Includes the annual reports of the Institute's Council committees and branches issued 1919 56 in a regular no and 1957 as a supplement to the Apr no The Mbeki Legacy Brian Pottinger, 2010-12-08 In September 2008 Thabo Mbeki was recalled as president of South Africa seven months before his term was due to end This book takes stock of Mbeki s presidency by focusing on a simple question how has South Africa prospered or weakened under his stewardship The Mbeki Legacy considers how Mbeki consolidated power and why he was defeated at the ANC's 2007 Polokwane conference It weighs up the successes of his macro economic policies and his shortcomings in the fields of crime fighting education and health From the arms deal to the electricity crisis it investigates the effects of corruption and mismanagement The book also explores the impact of land reform black economic empowerment and guiet diplomacy towards Zimbabwe Seasoned writer and analyst Brian Pottinger has sifted through reams of facts and statistics to produce a compelling accessible and authoritative analysis of Mbeki s South Africa This updated edition covers events up to the 2009 election and Jacob Zuma s first State of the Nation address and offers additional insights into the post Mbeki era Journal of Education ,1917 The Journal of Education ,1917 **Iournal of Education** and School World .1917 Resources in Education ,1988 The Times Index ,2010 Indexes the Times Sunday times and magazine Times literary supplement Times educational supplement Times educational supplement Scotland and the Times

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