

Physicians cancer chemotherapy drug manual 2013 Academic PDF

physicians cancer chemotherapy drug manual 2013 is an essential resource for healthcare professionals involved in the treatment of cancer patients. This comprehensive manual provides detailed information on chemotherapeutic agents, their mechanisms of action, dosing guidelines, side effects, management strategies, and recent updates relevant to the year 2013. As cancer treatment continues to evolve, having a reliable and up-to-date reference is crucial for ensuring safe and effective patient care.

Introduction to the Physicians Cancer Chemotherapy Drug Manual 2013

The 2013 edition of the physicians cancer chemotherapy drug manual serves as a critical guide for oncologists, pharmacists, nurses, and other healthcare providers. It consolidates current best practices, evidence-based treatment protocols, and safety information to facilitate optimal chemotherapy management.

This manual emphasizes:

- The pharmacology of chemotherapeutic agents
- Treatment regimens for various cancer types
- Management of adverse effects
- Guidelines for dose modifications
- Emerging therapies and targeted agents as of 2013

With cancer being a leading cause of mortality worldwide, this manual helps clinicians stay informed about the latest developments and ensures consistent application of treatment standards.

Core Content and Features of the 2013 Manual

1. Classification of Chemotherapeutic Agents

The manual categorizes chemotherapy drugs based on their chemical properties, mechanisms, and cancer targets. Major classes include:

- **Alkylating Agents:** Cyclophosphamide, Melphalan, Bendamustine
- **Antimetabolites:** Methotrexate, 5-Fluorouracil, Capecitabine
- **Topoisomerase Inhibitors:** Doxorubicin, Etoposide, Irinotecan
- **Mitotic Inhibitors:** Vincristine, Paclitaxel, Docetaxel
- **Chemotherapy with Targeted Action:** Trastuzumab, Rituximab (not traditional chemotherapeutics but included for comprehensive coverage)

2. Pharmacology and Mechanisms of Action

Understanding how each drug works is vital for predicting responses and managing toxicities. For example:

- Alkylating agents cause DNA cross-linking, leading to apoptosis.
- Antimetabolites mimic natural substances, disrupting DNA and RNA synthesis.
- Topoisomerase inhibitors interfere with enzymes that control DNA topology during replication.
- Mitotic inhibitors block cell division at specific phases.

The manual elaborates on these mechanisms, aiding clinicians in selecting appropriate agents based on tumor biology.

3. Treatment Regimens and Protocols

The manual provides detailed chemotherapy protocols tailored to various cancers, including:

- Breast cancer
- Lung cancer
- Gastrointestinal cancers
- Hematological malignancies
- Gynecological cancers

It discusses combination therapies, dosing schedules, cycle lengths, and considerations for neoadjuvant, adjuvant, or palliative settings.

4. Dosage and Administration Guidelines

Precise dosing is critical to maximize efficacy and minimize toxicity. The manual offers guidance on:

- Body surface area (BSA) calculations

- Adjustments for renal or hepatic impairment
- Special considerations for elderly or pediatric patients
- Use of infusion techniques and supportive care measures

5. Management of Side Effects and Toxicities

Chemotherapy agents are associated with various adverse effects. The manual categorizes and provides management strategies for:

- **Myelosuppression:** Neutropenia, anemia, thrombocytopenia
- **Nausea and Vomiting:** Antiemetic protocols
- **Neurotoxicity:** Peripheral neuropathy management
- **Cardiotoxicity:** Monitoring and prevention strategies for drugs like doxorubicin
- **Secondary Malignancies:** Risk assessment and surveillance

The manual emphasizes proactive management and supportive care to improve patient outcomes.

Updates and Advances in Chemotherapy as of 2013

The 2013 manual reflects significant advancements in cancer therapy, including:

1. Introduction of Targeted Therapies

While traditional chemotherapeutics remain foundational, 2013 saw increased integration of targeted agents such as:

- Monoclonal antibodies (e.g., trastuzumab for HER2-positive breast cancer)
- Tyrosine kinase inhibitors (e.g., imatinib for CML)
- Angiogenesis inhibitors (e.g., bevacizumab)

These agents offer more specific tumor targeting, often with different toxicity profiles.

2. Personalized Medicine Approaches

Genetic profiling and biomarker-driven treatments began to influence chemotherapy choices, leading to more tailored therapy regimens.

3. Supportive Care Innovations

Enhanced protocols for managing side effects, including growth factor support and antiemetics, improved tolerability of chemotherapy.

Safety Considerations and Best Practices

The manual underscores the importance of safety in chemotherapy administration:

- Proper handling and disposal of cytotoxic drugs
- Use of protective equipment
- Patient education about side effects
- Monitoring for early signs of toxicity
- Ensuring adherence to protocols to prevent dosing errors

Conclusion: The Significance of the 2013 Manual in Oncology Practice

The physicians cancer chemotherapy drug manual 2013 remains a valuable reference, combining scientific rigor with practical guidance. Its comprehensive coverage helps clinicians navigate the complexities of cancer chemotherapy, adapt to new therapies, and deliver personalized, safe, and effective treatment. As oncology continues to evolve rapidly, updates beyond 2013 build upon this foundation, but the manual's core principles continue to underpin best practices in cancer care.

For healthcare providers, staying informed through resources like this manual enhances patient outcomes and advances the fight against cancer.

Physicians Cancer Chemotherapy Drug Manual 2013 is an essential reference for oncology professionals, providing comprehensive guidance on the selection, dosing, and management of chemotherapeutic agents. As cancer treatment continues to evolve rapidly, having a well-structured and detailed manual like this ensures clinicians are equipped with up-to-date information to optimize patient outcomes. This guide offers a deep dive into the manual's contents, highlighting its significance, key features, and practical applications for physicians involved in cancer care.

Introduction to the Physicians Cancer Chemotherapy Drug Manual 2013

The Physicians Cancer Chemotherapy Drug Manual 2013 serves as a cornerstone resource for oncologists, hematologists, pharmacists, and other healthcare providers managing cancer patients. It consolidates pharmacological data, dosing strategies, side effect management, and clinical pearls into an accessible format. The manual's 2013 edition reflects the advancements in cancer therapeutics up to that year, including new agents, updated treatment protocols, and emerging supportive care strategies.

Why the Manual is Indispensable for Modern Oncology Practice

- Comprehensive Drug Profiles

The manual details numerous chemotherapeutic agents, targeted therapies, and immunomodulators. Each drug profile includes:

- Mechanism of action
- Indications and contraindications
- Standard dosing regimens
- Pharmacokinetics and pharmacodynamics
- Toxicity profiles and management strategies

- Evidence-Based Recommendations

The manual synthesizes clinical trial data, guidelines, and expert consensus, helping clinicians make informed decisions tailored to individual patient profiles.

- Practical Management Tips

Beyond theoretical data, it provides pragmatic advice on:

- Dose modifications for toxicity
- Drug interactions
- Supportive care measures
- Monitoring parameters

- Accessibility and Usability

Structured with clear headings, tables, and algorithms, the manual allows quick reference during busy clinical practice.

Key Features of the 2013 Edition

Updated Drug Listings and New Agents

The 2013 manual incorporates new chemotherapeutic drugs introduced around that period, such as:

- Everolimus
- Crizotinib
- Brentuximab vedotin

Focus on Personalized Medicine

It emphasizes tailoring therapy based on tumor genetics, patient comorbidities, and pharmacogenomics.

Emphasis on Toxicity Management

Recognizing that adverse effects are a significant concern, the manual offers detailed strategies for managing:

- Myelosuppression
- Nausea and vomiting
- Neurotoxicity
- Cardiotoxicity

Integration of Supportive Care Protocols

Includes guidance on prophylactic measures, growth factor support, and management of infections.

Navigating the Content: How to Use the Manual Effectively

- Drug Reference Section

Ideal for quick lookup of specific agents, this section covers:

- Dosing adjustments
- Special populations (e.g., pediatrics, elderly)
- Drug interactions

- Treatment Regimens and Algorithms

Flowcharts and tables streamline decision-making for:

- First-line and salvage therapies
- Combination regimens
- Maintenance strategies

- Toxicity and Side Effect Management

Provides protocols for:

- Neutropenic fever
- Mucositis
- Thrombocytopenia

- Appendices and Additional Resources

Includes:

- Laboratory reference ranges
- Supportive medications
- Pharmacokinetic calculations

Practical Applications in Clinical Practice

Case Study 1: Managing a Patient on Cisplatin-Based Chemotherapy

The manual guides clinicians through:

- Pre-hydration protocols
- Monitoring renal function
- Managing nausea with antiemetics
- Recognizing and treating ototoxicity

Case Study 2: Adjusting Dosing in Renal Impairment

Provides clear algorithms for dose modifications based on renal function, crucial for drugs like methotrexate or carboplatin.

Case Study 3: Dealing with Chemotherapy-Induced Myelosuppression

Details the use of growth factors such as G-CSF, timing considerations, and infection prevention strategies.

Limitations and Considerations

While the Physicians Cancer Chemotherapy Drug Manual 2013 remains a valuable resource, practitioners should be aware of its limitations:

- Drug approvals and guidelines have evolved since 2013.
- Emerging therapies, especially immunotherapies and targeted agents, have expanded dramatically after this publication.
- Always cross-reference with the latest guidelines from organizations like NCCN, ASCO, or ESMO.

Conclusion: The Continuing Relevance of the 2013 Manual

Despite newer editions and ongoing developments, the 2013 manual retains its relevance due to its structured approach and comprehensive coverage. It acts as a foundational tool for understanding traditional chemotherapeutic agents, their management, and supportive care strategies. For clinicians practicing in settings where access to the latest resources might be limited, this manual offers a solid knowledge base to deliver safe and effective cancer care.

In an era of rapid innovation, integrating the insights from the 2013 manual with current guidelines ensures a balanced, evidence-based approach to chemotherapy management. Ultimately, the goal remains the same: to maximize therapeutic efficacy while minimizing toxicity, thereby improving survival and quality of life for cancer patients.

Note: Always consult the latest clinical guidelines and institutional protocols to ensure current best practices in cancer chemotherapy management.

Question What are the key updates in the 'Physicians Cancer Chemotherapy Drug Manual 2013' compared to previous editions? The 2013 edition includes new chemotherapeutic agents approved since 2010, updated dosing guidelines, revised side effect management protocols, and expanded information on targeted therapies and immunotherapies relevant to that period. How does the manual recommend managing common side effects of chemotherapy as per the 2013

edition? The manual provides evidence-based strategies for managing side effects such as nausea, neutropenia, mucositis, and alopecia, emphasizing prophylactic measures, supportive care agents, and dose adjustments tailored to individual patient needs. Does the 'Physicians Cancer Chemotherapy Drug Manual 2013' include information on targeted therapies and immunotherapy? Yes, the 2013 manual incorporates early guidelines and drug profiles for targeted agents like trastuzumab and bevacizumab, as well as emerging immunotherapies, reflecting the evolving landscape of cancer treatment during that time. Can the 2013 manual be used as a reference for dosing adjustments in special populations? Absolutely, it provides detailed dosing recommendations and adjustments for populations such as pediatric, elderly, and patients with renal or hepatic impairment, ensuring safer and more effective chemotherapy administration. Is the 'Physicians Cancer Chemotherapy Drug Manual 2013' suitable for use in clinical practice today? While it offers valuable historical and foundational information, clinicians should consult the most recent guidelines and updates, as oncology treatments and standards evolve rapidly beyond the 2013 publication.

Related keywords: oncology drugs, chemotherapy guidelines, cancer treatment manual, medical oncology, anticancer agents, chemotherapy protocols, drug references, cancer therapy handbook, oncology pharmacology, cancer medication manual

Gk Question And Answers 2013

gk question and answers 2013

In the realm of general knowledge, staying updated with questions and answers from past years is essential for competitive exams, quizzes, and enhancing overall awareness. The year 2013 was significant in shaping various global and national events, and many questions from that year continue to be relevant for aspirants preparing for various exams. This article provides a comprehensive compilation of GK questions and answers from 2013, covering topics ranging from politics and history to science and sports, ensuring you are well-prepared to test your knowledge or prepare for future examinations.

Introduction to GK Questions and Answers 2013

General Knowledge (GK) is a vital component of competitive exams such as UPSC, SSC, banking exams, and school-level tests. Questions from 2013 reflect the political, economic, scientific, and cultural developments of that period. Familiarity with these questions helps aspirants understand the types of questions asked and the areas where they need to focus their studies.

In 2013, several landmark events took place worldwide and in India. These events have been

frequently asked in various exams, making it necessary to revise and memorize key facts. The following sections provide a detailed overview of important GK questions from 2013, categorized for easy understanding.

Political and International GK Questions of 2013

Major Political Events

- Question: Who became the Prime Minister of India after the 2013 general elections?

Answer: Narendra Modi

- Question: Which country hosted the G20 Summit in 2013?

Answer: Russia (St. Petersburg)

- Question: Who was the President of the United States in 2013?

Answer: Barack Obama

International Organizations and Leaders

- Question: Who was the Secretary-General of the United Nations in 2013?

Answer: Ban Ki-moon

- Question: Which country held the BRICS Summit in 2013?

Answer: South Africa

Important Political Events in India (2013)

- Question: Which Indian state experienced a significant political change in 2013 with the formation of a new government?

Answer: Andhra Pradesh (Reorganization into Telangana)

- Question: Name the President of India in 2013.

Answer: Pranab Mukherjee

Economics and Financial GK Questions 2013

- Question: What was India's GDP growth rate approximately in 2013?

Answer: Around 5.0%

- Question: Which major Indian bank announced the launch of the first mobile banking app in 2013?

Answer: State Bank of India (SBI)

- Question: What was the international price of gold per ounce in 2013?

Answer: Approximately \$1,200 to \$1,400 (varied throughout the year)

Science and Technology GK Questions 2013

Space and Astronomy

- Question: Which planet's mission was launched by NASA in 2013?

Answer: Mars Rover (Curiosity) continued its mission, and NASA launched the MAVEN spacecraft to study Mars' atmosphere.

- Question: What is the name of the satellite launched by India in 2013?

Answer: Mars Orbiter Mission (Mangalyaan)

Innovations and Discoveries

- Question: Which breakthrough in medical science was announced in 2013 involving gene editing?

Answer: Advancements in CRISPR gene-editing technology gained worldwide attention.

- Question: What significant discovery was made in 2013 related to the Higgs boson?

Answer: Confirmation of the Higgs boson particle's properties by CERN scientists.

Sports GK Questions from 2013

- Question: Who won the ICC Cricket World Cup in 2013?

Answer: India won the ICC Champions Trophy (not the World Cup) in 2013.

- Question: Which athlete set a new world record in the 100 meters sprint in 2013?

Answer: Usain Bolt

- Question: Who was the captain of the Indian cricket team during the 2013 Champions Trophy?

Answer: Mahendra Singh Dhoni

Important Awards and Honors of 2013

- Question: Who received the Nobel Peace Prize in 2013?

Answer: Organisation for the Prohibition of Chemical Weapons (OPCW)

- Question: Which Indian was awarded the Padma Vibhushan in 2013?

Answer: Several individuals received the award, including Dr. A.P.J. Abdul Kalam (posthumously) and others across various fields.

World and Cultural GK Questions of 2013

Notable Events and Festivals

- Question: Which city hosted the 2013 G20 Summit?

Answer: St. Petersburg, Russia

- Question: Which major festival was celebrated globally in 2013?

Answer: The 150th anniversary of Mahatma Gandhi's birth was commemorated worldwide.

Books, Films, and Literature

- Question: Which film won the Academy Award for Best Picture in 2013?

Answer: "Argo"

- Question: Name the Nobel Prize-winning author who published a notable work in 2013.

Answer: Alice Munro received the Nobel Prize in Literature in 2013.

Environmental and Geographical GK Questions 2013

- Question: Which natural disaster caused widespread devastation in the Philippines in 2013?

Answer: Typhoon Haiyan (Yolanda)

- Question: Which mountain was declared the highest in the world after reevaluation in 2013?

Answer: Mount Everest (still the highest, but the height was confirmed to be 8,848.86 meters after a 2013 survey)

Conclusion: Importance of GK Questions from 2013

Studying GK questions from 2013 provides insight into the major global and national events of that year. Such questions are frequently revisited in competitive exams, quizzes, and interviews.

Keeping a record of these questions helps aspirants build a strong foundation in general knowledge, improves their chances of success, and keeps them informed about world affairs.

Regular revision of past GK questions, like those from 2013, ensures that learners stay sharp and confident. Whether you are preparing for a competitive exam or just aiming to enhance your knowledge base, focusing on important questions from previous years is an effective strategy.

Tips for Preparing GK Questions and Answers 2013 and Beyond

- Create a dedicated GK notebook with questions and answers from each year.
- Use online quizzes and apps to test your knowledge regularly.
- Watch news summaries and documentaries related to major events of 2013.
- Join GK discussion groups or forums for interactive learning.
- Revise periodically to retain facts effectively.

By consistently updating your GK with questions from past years like 2013, you will develop a comprehensive understanding of important facts, trends, and historical events that shape our world today.

Note: This compilation is not exhaustive but highlights some of the most significant GK questions from 2013. For a more detailed study, refer to year-specific GK books, competition archives, and official exam syllabi.

GK Question and Answers 2013: A Comprehensive Guide to the Year's General Knowledge

Introduction

GK question and answers 2013 serve as a valuable resource for students, competitive exam aspirants, and trivia enthusiasts seeking to test and expand their general knowledge base. The year 2013 marked significant developments across various domains—politics, science, sports, awards, and world events—that are often reflected in GK questions. This article aims to delve into the notable questions and answers from 2013, providing readers with an in-depth understanding of the year's important facts, along with contextual insights to enhance learning and retention.

The Significance of GK Questions from 2013

Every year, general knowledge questions evolve based on current affairs, discoveries, and global happenings. The 2013 GK set is particularly interesting because it encapsulates pivotal moments that influenced the world and India alike. For aspirants, mastering these questions not only boosts exam scores but also enriches their awareness about recent history and ongoing global

developments.

Major Themes in GK Question and Answers 2013

The GK questions from 2013 broadly cover the following themes:

- Political and International Events
- Science and Technology
- Sports Achievements
- Awards and Honors
- Economics and Business
- Environment and Ecology
- Miscellaneous and Miscellaneous Trivia

Let's explore each of these themes in detail.

Political and International Events in 2013

Key Political Developments

2013 was marked by major political shifts and international diplomacy. Some of the notable questions include:

- Who was the Secretary-General of the United Nations in 2013?

Answer: Ban Ki-moon

- Which country experienced a significant political crisis leading to the resignation of its Prime Minister in 2013?

Answer: Italy (Prime Minister Silvio Berlusconi resigned, and Enrico Letta took charge)

- In 2013, which nation became the first African country to qualify for the FIFA World Cup?

Answer: Algeria

- Name the Indian politician who was elected as the President of India in 2012 and held office throughout 2013.

Answer: Pranab Mukherjee

Major International Events

- What was the name of the historic agreement signed between the U.S. and Afghanistan in 2013 regarding the future presence of U.S. troops?

Answer: The Bilateral Security Agreement (BSA)

- Which country hosted the 2013 ICC Champions Trophy in cricket?

Answer: England

Notable Political Figures

- Who was appointed as the new Prime Minister of Bangladesh in 2013?

Answer: Sheikh Hasina (re-elected in 2013)

Science and Technology Highlights of 2013

Breakthrough Discoveries and Innovations

2013 saw several scientific breakthroughs, often forming the basis of GK questions:

- Which planet was officially classified as a dwarf planet in 2013 by the International Astronomical Union?

Answer: Pluto

- What was the name of the first commercially available 3D printer launched in 2013?

Answer: The first commercial 3D printer was the MakerBot Replicator 2

- In 2013, which country launched the Mars Orbiter Mission?

Answer: India (ISRO launched Mars Orbiter Mission, Mangalyaan)

- Which technology giant announced the release of Windows 8.1 in 2013?

Answer: Microsoft

Scientific Milestones

- What significant discovery regarding the Higgs boson was announced in 2013?

Answer: Confirmation of the Higgs boson particle by CERN scientists

- Which gene-editing technology gained prominence in 2013?

Answer: CRISPR-Cas9

Sports Achievements in 2013

Sports frequently dominate GK questions, and 2013 was no exception:

- Who won the FIFA Ballon d'Or award in 2013?

Answer: Cristiano Ronaldo

- Which country won the ICC Champions Trophy 2013?

Answer: India

- Who became the first Indian to win a gold medal at the World Wrestling Championships in 2013?

Answer: Sushil Kumar

- Name the Indian cricket team captain in 2013 during the ICC Champions Trophy.

Answer: Mahendra Singh Dhoni

- Which athlete set a new world record in the men's 100 meters in 2013?

Answer: Usain Bolt (though he equaled his own record, he remained the fastest)

Awards and Honors of 2013

This section includes notable awards conferred in 2013:

- Who was awarded the Nobel Peace Prize in 2013?

Answer: Organisation for the Prohibition of Chemical Weapons (OPCW)

- Who received the Bharat Ratna, India's highest civilian award, in 2013?

Answer: Atal Bihari Vajpayee (posthumously awarded in 2015, but discussions and recognitions related to his leadership were prominent in 2013)

- Which film won the Best Picture at the 85th Academy Awards in 2013?

Answer: "Argo"

- Who was awarded the Booker Prize in 2013?

Answer: Eleanor Catton for her novel The Luminaries

Economic and Business Developments in 2013

- Which country's economy was the fastest-growing among G20 nations in 2013?

Answer: China

- What major global company announced a significant acquisition or merger in 2013?

Answer: Facebook announced the acquisition of Instagram in 2012, but its impact was felt through 2013; additionally, in 2013, Apple announced the iPhone 5s and 5c launch.

- Which Indian company became the most valuable in market capitalization in 2013?

Answer: Reliance Industries

Environment and Ecology in 2013

- What major environmental event occurred along the Indian coast in 2013?

Answer: The massive cyclone Phailin struck the eastern coast of India

- Which animal was declared extinct in the wild in 2013?

Answer: The Western Black Rhinoceros (though the process was ongoing, the IUCN officially declared it extinct in 2013)

- What was the theme of Earth Day 2013?

Answer: "The Face of Climate Change"

Miscellaneous Trivia and Noteworthy Facts

- Which viral social media phenomenon gained popularity in 2013?

Answer: The "Harlem Shake" videos

- What was the name of the popular gaming console launched by Sony in 2013?

Answer: PlayStation 4

- Which iconic Indian space manned mission was announced but not launched in 2013?

Answer: The Indian Human Spaceflight Program, later named Gaganyaan, was in planning stages during 2013.

How to Use 2013 GK Questions for Competitive Exams

Understanding the pattern and types of questions from 2013 can greatly improve preparation strategies:

- Focus on current affairs around 2013, including political changes, international treaties, and scientific breakthroughs.
- Keep abreast of sports achievements and awards handed out during that year.
- Regularly revise world events and Indian history and polity to grasp the context behind questions.
- Practice with mock tests that incorporate GK questions from 2013 to improve speed and accuracy.

Conclusion

GK question and answers 2013 encapsulate a year of remarkable global and national milestones. From scientific discoveries to political upheavals, and from sporting triumphs to cultural accolades, the year offers a rich tapestry of knowledge. Aspiring learners and competitive exam candidates can leverage this information to build a strong foundation in general knowledge. As history often repeats itself or gets referenced, understanding the events of 2013 not only prepares you for exams but also enhances your awareness of recent global developments.

By delving into the questions and answers from 2013, enthusiasts can appreciate how the world evolved during that period and how those events continue to influence current affairs. Staying updated with such historical GK points ensures that you remain well-informed and ready for any quiz or exam that tests your breadth of knowledge.

Remember: Consistency is key. Regular revision of GK questions from past years like 2013 will strengthen your overall preparedness and boost confidence in any competitive scenario.

Question What was the major international event that took place in 2013? One of the major international events in 2013 was the election of Pope Francis as the 266th Pope of the Roman Catholic Church. Which country hosted the 2013 ICC Champions Trophy in cricket? England hosted the 2013 ICC Champions Trophy. Who was awarded the Nobel Peace Prize in 2013? The Nobel Peace Prize in 2013 was awarded to the Organisation for the Prohibition of Chemical

Weapons (OPCW). What significant technological advancement was made in 2013? In 2013, the Bitcoin cryptocurrency gained widespread attention and saw a significant rise in value. Which film won the Best Picture Oscar in 2013? The film 'Argo' won the Best Picture Oscar at the 85th Academy Awards in 2013. What was a major scientific discovery or achievement in 2013? NASA's Curiosity rover discovered evidence of ancient freshwater lakes on Mars in 2013. Which country became the first to approve a vaccine for Ebola in 2013? Sierra Leone became the first country to approve an Ebola vaccine in 2013. Who was the Prime Minister of India in 2013? Manmohan Singh was the Prime Minister of India in 2013.

Related keywords: general knowledge, quiz, trivia, current affairs, GK questions, GK answers, 2013 events, general awareness, competitive exams, quiz questions

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