

Solved physics numericals for 10 class 2013 Workbook

Solved Physics Numericals for 10 Class 2013

Understanding physics can often seem daunting for 10th-grade students, especially when tackling numerical problems that require application of formulas and concepts. To help students excel in their exams and strengthen their grasp on fundamental topics, this article provides a comprehensive collection of solved physics numericals for 10 class 2013. These examples are designed to clarify key concepts, demonstrate problem-solving techniques, and boost confidence in approaching similar questions.

Importance of Solved Physics Numericals for 10 Class 2013

Before diving into specific problems, it's essential to understand why practicing solved numericals is crucial for students:

1. Reinforces Theoretical Concepts

- Solved problems illustrate how to apply formulas in real-world scenarios.
- They help students understand the step-by-step application of concepts like motion, force, energy, etc.

2. Builds Problem-Solving Skills

- Analyzing solutions enhances logical thinking and analytical skills.
- Students learn how to break down complex problems into manageable steps.

3. Prepares for Exams Effectively

- Practicing past numericals familiarizes students with exam patterns.
- It boosts confidence and reduces exam anxiety.

Key Topics Covered in 10 Class Physics Numericals

The numericals generally cover essential physics chapters from the NCERT syllabus relevant to Class 10 in 2013. These include:

1. Motion and Rest

2. Laws of Motion

3. Gravitation

4. Work, Power, and Energy

5. Magnetic Effects of Current

6. Sound and Light

Below are detailed solved examples for these key topics.

Sample Solved Numerical Problems

1. Motion and Rest

Problem: A car accelerates uniformly from a velocity of 20 m/s to 40 m/s in 10 seconds. Calculate the acceleration and the distance covered during this period.

Solution:

- Initial velocity, $(u = 20\text{ m/s})$
- Final velocity, $(v = 40\text{ m/s})$
- Time, $(t = 10\text{ seconds})$

Step 1: Find acceleration, (a) :

$$a = \frac{v - u}{t} = \frac{40 - 20}{10} = \frac{20}{10} = 2\text{ m/s}^2$$

Step 2: Find the distance covered, (s) , using:

$$[$$

$$s = ut + \frac{1}{2} a t^2$$

$$]$$

$$[$$

$$s = (20)(10) + \frac{1}{2} (2)(10)^2 = 200 + 1 \times 100 = 200 + 100 = 300, \text{ meters}$$

$$]$$

Answer: The acceleration is 2 m/s², and the distance covered is 300 meters.

2. Laws of Motion

Problem: A box of mass 5 kg is pushed with a force of 20 N. Find the acceleration of the box.

Solution:

- Mass, $(m = 5, \text{ kg})$
- Force, $(F = 20, \text{ N})$

Using Newton's second law:

$$[$$

$$a = \frac{F}{m} = \frac{20}{5} = 4, \text{ m/s}^2$$

$$]$$

Answer: The acceleration of the box is 4 m/s².

3. Gravitation

Problem: Calculate the acceleration due to gravity on the surface of the Moon if the acceleration due to gravity on Earth is $(9.8, \text{ m/s}^2)$ and the mass of the Moon is (7.35×10^{22}) kg, radius of Moon is 1,737 km.

Solution:

- Gravitational acceleration, (g_{moon}) , is given by:

$$g_{\text{moon}} = g_{\text{earth}} \times \frac{R_{\text{earth}}^2}{R_{\text{moon}}^2}$$

]

But more accurately, using Newton's law:

[

$$g = \frac{G M}{R^2}$$

]

Where:

- $(G = 6.674 \times 10^{-11} \text{ Nm}^2/\text{kg}^2)$
- $(M = 7.35 \times 10^{22} \text{ kg})$
- $(R = 1,737 \text{ km} = 1.737 \times 10^6 \text{ m})$

Calculating:

[

$$g_{\text{moon}} = \frac{6.674 \times 10^{-11} \times 7.35 \times 10^{22}}{(1.737 \times 10^6)^2}$$

]

[

$$g_{\text{moon}} = \frac{6.674 \times 7.35 \times 10^{11}}{3.017 \times 10^{12}} \approx \frac{49.07 \times 10^{11}}{3.017 \times 10^{12}} \approx 1.62 \text{ m/s}^2$$

]

Answer: The acceleration due to gravity on the Moon is approximately 1.62 m/s^2 .

4. Work, Power, and Energy

Problem: A person lifts a box of weight 200 N to a height of 3 meters in 5 seconds. Calculate the work done and power developed.

Solution:

- Weight, $(W = 200\text{ N})$
- Height, $(h = 3\text{ m})$
- Time, $(t = 5\text{ s})$

Step 1: Work done, (W_{done}) :

$$[$$

$$W_{\text{done}} = \text{Force} \times \text{Displacement} = 200 \times 3 = 600\text{ J}$$

$$]$$

Step 2: Power developed:

$$[$$

$$P = \frac{W_{\text{done}}}{t} = \frac{600}{5} = 120\text{ W}$$

$$]$$

Answer: Work done is 600 Joules, and power developed is 120 Watts.

Tips for Better Problem Solving in Physics

To excel in solving physics numericals, keep the following tips in mind:

- **Understand the Concept:** Read the problem carefully and identify knowns and unknowns.
- **Choose the Correct Formula:** Recall relevant formulas based on the topic.
- **Organize Data:** Write down given values clearly before substituting.
- **Perform Step-by-Step Calculations:** Avoid rushing; do calculations systematically.
- **Check Units:** Ensure units are consistent; convert units if necessary.
- **Review the Result:** Verify if the answer makes sense physically.

Conclusion

Mastering solved physics numericals for 10 class 2013 is an effective way to strengthen problem-solving skills and improve exam performance. By practicing these solved examples, students can develop a clear understanding of applying formulas and concepts across various topics such as motion, laws of motion, gravitation, and energy. Remember, consistent practice and understanding the underlying principles are key to excelling in physics.

For further preparation, students should regularly attempt practice problems, review concepts, and seek clarification on doubts. With dedication and systematic study, success in physics is well within reach!

Note: This article provides a foundation of solved numericals; students are encouraged to explore additional questions from their textbooks and previous exams for comprehensive preparation.

Solved Physics Numericals for 10 Class 2013: An In-Depth Review

Physics forms the backbone of understanding the physical universe, and mastering numerical problems is essential in cultivating a deep conceptual grasp of the subject. For Class 10 students, especially those preparing for exams in 2013, practicing solved numericals not only enhances problem-solving skills but also boosts confidence. This article delves into the critical aspects of solved physics numericals for the 10th-grade curriculum of 2013, exploring their significance, methodologies, and detailed solutions to foster comprehensive understanding.

Introduction: The Significance of Solved Numericals in Class 10 Physics

Numerical problems in physics serve as practical applications of theoretical concepts. They compel students to translate abstract ideas into quantitative analysis, reinforcing key principles such as Newton's laws, conservation of energy, and electromagnetism. The 2013 syllabus emphasizes a balanced approach with a focus on problem-solving skills, making solved numericals an indispensable resource.

By engaging with solved problems, students learn to:

- Apply formulas logically and accurately
- Develop problem-solving strategies
- Recognize common pitfalls and errors
- Enhance their exam-writing skills under timed conditions

The following sections analyze typical numerical problems from the 2013 curriculum, illustrating their solutions step-by-step to serve as a model for effective problem-solving.

Key Topics Covered in the 2013 Physics Numericals

The numericals for Class 10 in 2013 span various chapters, including:

- Motion and Laws of Motion
- Gravitation
- Work, Power, and Energy
- Sound
- Light (Reflection and Refraction)
- Electricity and Magnetism

Each topic features core concepts with associated numerical problems. We will explore representative problems from these categories in detail.

Deep Dive into Solved Numericals

1. Motion: Calculating Velocity and Acceleration

Problem Statement:

A car accelerates uniformly from a velocity of 20 m/s to 40 m/s over a distance of 200 meters. Find the acceleration of the car and the time taken to reach the final velocity.

Solution:

Given:

- Initial velocity, $(u = 20\text{ m/s})$
- Final velocity, $(v = 40\text{ m/s})$
- Distance traveled, $(s = 200\text{ m})$

Find:

- Acceleration, (a)
- Time taken, (t)

Step 1: Use the equation of motion:

\[

$$v^2 = u^2 + 2as$$

\]

\[

$$(40)^2 = (20)^2 + 2a \times 200$$

\]

\[

$$1600 = 400 + 400a$$

\]

\[

$$1600 - 400 = 400a$$

\]

\[

$$1200 = 400a$$

\]

\[

$$a = \frac{1200}{400} = 3, \text{ m/s}^2$$

\]

Step 2: Find time (t) using:

\[

$$v = u + at$$

$$v$$

$$v$$

$$40 = 20 + 3t$$

$$v$$

$$v$$

$$3t = 20$$

$$v$$

$$v$$

$$t = \frac{20}{3} \approx 6.67, \text{ s}$$

$$v$$

Answer:

- Acceleration, $(a = 3, \text{ m/s}^2)$
- Time taken, $(t \approx 6.67, \text{ s})$

2. Gravitation: Calculating Gravitational Force

Problem Statement:

Calculate the gravitational force between two masses of 5 kg and 10 kg separated by a distance of 2 meters. (Use $(G = 6.674 \times 10^{-11}, \text{ Nm}^2/\text{kg}^2)$)

Solution:

Given:

- $(m_1 = 5, \text{ kg})$
- $(m_2 = 10, \text{ kg})$
- $(r = 2, \text{ m})$

$$G = 6.674 \times 10^{-11} \text{ N m}^2 \text{ kg}^{-2}$$

Use the gravitational force formula:

$$F = G \frac{m_1 m_2}{r^2}$$

$$F = 6.674 \times 10^{-11} \times \frac{5 \times 10^3}{(2)^2}$$

$$F = 6.674 \times 10^{-11} \times \frac{50}{4}$$

$$F = 6.674 \times 10^{-11} \times 12.5$$

$$F = 8.3425 \times 10^{-10} \text{ N}$$

$$F \approx 8.34 \times 10^{-10} \text{ N}$$

$$F \approx 8.34 \times 10^{-10} \text{ N}$$

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Answer:

Gravitational force $F \approx 8.34 \times 10^{-10} \text{ N}$

3. Work, Power, and Energy: Calculating Power

Problem Statement:

A machine lifts a 500 kg load to a height of 10 meters in 50 seconds. Find the power developed by the machine.

Solution:

Given:

- Mass, $(m = 500, \text{kg})$
- Height, $(h = 10, \text{m})$
- Time, $(t = 50, \text{s})$
- Acceleration due to gravity, $(g = 9.8, \text{m/s}^2)$

Step 1: Calculate the work done (work against gravity):

$$W = mgh = 500 \times 9.8 \times 10 = 49000, \text{J}$$

$$W = mgh = 500 \times 9.8 \times 10 = 49000, \text{J}$$

Step 2: Calculate power:

$$P = \frac{W}{t} = \frac{49000}{50} = 980, \text{W}$$

$$P = \frac{W}{t} = \frac{49000}{50} = 980, \text{W}$$

Answer:

Power developed $(P = 980, \text{W})$

4. Sound: Calculating Speed of Sound in Air

Problem Statement:

A tuning fork produces a sound of frequency 256 Hz. The length of the air column in an open pipe resonates at this frequency when the length is 0.66 meters. Find the speed of sound in air.

Solution:

Given:

- Frequency, $(f = 256, \text{Hz})$
- Length of air column, $(L = 0.66, \text{m})$

Note: For an open pipe, the fundamental frequency corresponds to the length:

$[$

$$L = \frac{\lambda}{2}$$

$]$

where (λ) is the wavelength.

Step 1: Find the wavelength:

$[$

$$\lambda = 2L = 2 \times 0.66 = 1.32, \text{m}$$

$]$

Step 2: Calculate speed of sound:

$[$

$$v = f \times \lambda = 256 \times 1.32 \approx 338.9, \text{m/s}$$

$]$

Answer:

Speed of sound in air $(v \approx 339, \text{m/s})$

5. Electricity: Calculating Resistance and Current

Problem Statement:

A copper wire of length 50 meters and cross-sectional area $(1, \text{mm}^2)$ has a resistance of 2

ohms. Find the resistivity of copper and the current flowing through the wire when a potential difference of 12 volts is applied.

Solution:

Given:

- $(L = 50, \text{m})$
- $(A = 1, \text{mm}^2 = 1 \times 10^{-6}, \text{m}^2)$
- Resistance, $(R = 2, \Omega)$
- Voltage, $(V = 12, \text{V})$

Step 1: Find resistivity (ρ) using:

$[$

$$R = \rho \frac{L}{A}$$

$]$

$[$

$$\rho = R \times \frac{A}{L} = 2 \times \frac{1 \times 10^{-6}}{50} = 2 \times 2 \times 10^{-8} = 4 \times 10^{-8}, \Omega \cdot \text{m}$$

$]$

Step 2: Find current (I) using Ohm's law:

$[$

$$I = \frac{V}{R} = \frac{12}{2} = 6, \text{A}$$

$]$

Answer:

Resistivity of copper $(\rho = 4 \times 10^{-8}, \Omega \cdot \text{m})$, current $(I = 6, \text{A})$

Methodologies and Problem-Solving Strategies

Analyzing the solved numericals from 2013 reveals common methodologies that can be generalized:

- Identify Known and Unknown Quantities: Carefully note what is given and what needs to be calculated.
- Select Appropriate Formulas:

QuestionAnswer What is the method to solve a numerical problem involving kinematic equations for class 10 physics? To solve kinematic problems, first identify the known quantities and what needs to be found. Use the appropriate kinematic equations such as $v = u + at$, $s = ut + \frac{1}{2}at^2$, or $v^2 = u^2 + 2as$. Substitute the known values and solve for the unknown, ensuring units are consistent. How do you approach solving a numerical problem involving Newton's second law in class 10 physics? Identify the given force, mass, and acceleration. Use Newton's second law: $F = ma$. Rearrange the formula to find the unknown quantity. Substitute the known values and calculate, paying attention to units and directions if vectors are involved. What is a common step to solve numerical problems related to work, power, and energy in class 10 physics? Begin by calculating work done using $W = F \times d \times \cos\theta$ if force and displacement are known. Then, find power using $P = W / t$ when time is given. Always ensure the units are consistent, and consider the angle between force and displacement if applicable. How can you effectively solve numerical problems involving electric potential and capacitance in class 10 physics? Use the formulas $V = Q / C$ for electric potential and $C = Q / V$ for capacitance. For a given charge or potential difference, rearrange these formulas to find the unknown. Keep track of units and consider the configuration of the capacitor if multiple capacitors are involved. What is the best approach to solve numerical problems related to reflections and refractions of light in class 10 physics? Identify known quantities such as angles of incidence or refraction, and use relevant laws like Snell's law: $n_1 \sin\theta_1 = n_2 \sin\theta_2$. Apply the appropriate formulas for reflection or refraction, and carefully substitute values to find the required distance, angles, or path of light.

Related keywords: class 10 physics numericals, solved physics problems class 10, 2013 physics numericals, class 10 physics exercises, physics question bank class 10, class 10 physics solutions, 10th physics practice problems, physics numerical solutions 2013, class 10 physics worksheets, physics problem solving class 10

gk question and answers 2013

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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

Read the full article online: [GK QUESTION AND ANSWERS 2013](#)