SINDH ENDOWMENT FUND SCHOLARSHIPS 2018 APPLY MASTER G

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Sindh Endowment Fund Scholarships 2018: Apply for Master's Degree

Sindh Endowment Fund (SEF) offers scholarships for deserving students from Sindh pursuing Master's degrees in various disciplines. Here are some frequently asked questions about the scholarship program:

- **Who can apply?** Eligible candidates should be bonafide residents of Sindh, academically brilliant with a minimum CGPA of 3.5 in their undergraduate degree.

- **What is the application process?** Applications can be submitted online through the SEF website (https://sindhenf.org.pk). The deadline for applications is usually in July.

- **What are the eligible disciplines?** Scholarships are available for Master's programs in a wide range of disciplines, including Engineering, Medical, Veterinary, Business, Law, Computer Science, Arts, and Social Sciences.

- **What are the benefits of the scholarship?** The scholarship covers the full tuition fee, a monthly stipend, book allowance, and research grant.

- **How are the scholarships awarded?** Applications are carefully reviewed by a selection committee based on merit, financial need, and the candidate's potential to contribute to the development of Sindh. Shortlisted candidates may be called for an interview.

For further details and the latest updates, please visit the Sindh Endowment Fund website.

Silicon Processing for the VLSI Era: Process Technology Q&A

What is silicon processing?

Silicon processing is the fabrication of integrated circuits (ICs) on silicon wafers. ICs are the essential building blocks of modern electronic devices, ranging from computers to smartphones.

What is VLSI technology?

VLSI (Very Large Scale Integration) technology involves the fabrication of ICs with millions or even billions of transistors on a single chip. VLSI chips have enabled the miniaturization of electronic devices and the rapid advancement of computing.

What are the key process steps in silicon processing?

Silicon processing typically involves the following steps:

- Wafer cleaning and preparation
- Oxidation and etching
- Lithography
- Deposition
- Patterning
- Metallization

How has silicon processing evolved with VLSI technology?

VLSI technology has driven significant advancements in silicon processing, including:

- **Miniaturization:** The use of photolithography and other techniques has allowed for the creation of transistors with smaller feature sizes, enabling the integration of more transistors on a single chip.
- **Improved materials:** The development of new materials, such as low-k dielectrics and high-k gate dielectrics, has enhanced the performance and reliability of VLSI circuits.
- **Specialized processes:** Advanced processes, such as FinFETs and 3D integration, have further increased the density and functionality of VLSI chips.

What are the challenges facing silicon processing in the future?

As VLSI technology continues to advance, silicon processing faces several challenges:

- **Cost:** The fabrication of VLSI chips is an expensive process, and reducing costs is essential for ensuring continued affordability.
- **Reliability:** With increasing transistor densities, ensuring the reliability of VLSI circuits becomes more difficult.
- **Environmental impact:** Silicon processing involves the use of hazardous materials, and mitigating the environmental impact is becoming increasingly important.

The Lifespan of a Fact

A fact is a statement that is true. The lifespan of a fact is the length of time that it remains true. Some facts have a short lifespan, while others last for centuries.

Question: Why do facts have different lifespans?

Answer: The lifespan of a fact depends on several factors, including the nature of the fact, the availability of evidence, and the changing nature of knowledge. Some facts, such as the fact that the Earth is round, are based on well-established

evidence and are unlikely to change. Other facts, such as the fact that the world's population is growing, are based on changing data and may become outdated over time.

Question: What are some examples of facts with a short lifespan?

Answer: Some examples of facts with a short lifespan include:

- The weather forecast
- The score of a sporting event
- The price of a stock

These facts are typically true for a short period of time, and then they become outdated.

Question: What are some examples of facts with a long lifespan?

Answer: Some examples of facts with a long lifespan include:

- The fact that the Earth is round
- The fact that the sun is a star
- The fact that humans are mammals

These facts have been true for centuries, and they are likely to remain true for centuries to come.

Question: How does the changing nature of knowledge affect the lifespan of facts?

Answer: The changing nature of knowledge can affect the lifespan of facts. As new knowledge is discovered, some facts may become outdated or even proven false. For example, the fact that the Earth was once thought to be flat is no longer considered true, as we now know that the Earth is round.

The Greek Gods: A Masterpiece by Bernard Evslin

Bernard Evslin's iconic masterpiece, "The Greek Gods," has captivated readers for generations with its captivating portrayal of the legendary deities of ancient Greece. This literary gem offers a rich tapestry of myths, adventures, and divine encounters.

Who was Bernard Evslin?

Bernard Evslin (1911-1981) was an acclaimed American author best known for his historical and mythological novels. His writing style is characterized by vivid imagery, engaging narratives, and a deep fascination with ancient civilizations.

What is "The Greek Gods"?

"The Greek Gods" is a comprehensive and authoritative account of the pantheon of Greek deities. The book chronologically presents the myths and legends surrounding the Olympians, minor gods, and other supernatural beings. Evslin weaves together the stories from ancient sources such as Homer, Hesiod, and Aeschylus to create a cohesive and captivating narrative.

What are the main characters in "The Greek Gods"?

The primary focus of "The Greek Gods" is on the Olympians, who resided on Mount Olympus and ruled over the world. Each god and goddess possesses unique characteristics, powers, and relationships. Zeus, the king of the gods, Athena, the goddess of wisdom, Aphrodite, the goddess of beauty, and many more come to life through Evslin's vivid prose.

What is the theme of "The Greek Gods"?

While "The Greek Gods" recounts numerous individual stories, it ultimately explores themes of power, love, jealousy, and the human condition. Through the actions and interactions of the gods, Evslin illuminates the timeless struggles and aspirations that transcend human and divine realms.

Why is "The Greek Gods" a literary masterpiece?

Bernard Evslin's "The Greek Gods" remains a literary masterpiece for several reasons. His evocative writing style brings the ancient myths to life, making them both accessible and unforgettable. The book offers a comprehensive overview of Greek mythology, providing a valuable resource for readers interested in the subject. Moreover, Evslin's insights into the human condition and the nature of the gods make this book a profound and thought-provoking work of literature.

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