

# CHAPTER 20 SECTION 2 THE NEW FRONTIER ANSWER KEY

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**What is the new frontier quizlet?** New Frontier. ..., The campaign program advocated by JFK in the 1960 election. He promised to revitalize the stagnant economy and enact reform legislation in education, health care, and civil rights.

**What programs were in the New Frontier?** He first introduced his concept of the new frontier in his speech where he accepted the democratic party nomination in the 1960 presidential election. His program focused on federal aid for those in poverty, education spending, civil rights, and the space program.

**What were the reforms of the New Frontier?** The major proposals included establishing a volunteer Peace Corps to assist underdeveloped countries, raising the minimum wage and broadening its coverage, raising Social Security benefits, providing medicare, providing federal aid to education, creating a federal department of urban affairs, and giving greater powers ...

**What were the key elements of the New Frontier?** The key elements of the New Frontier were its vagueness, its vow to be victorious over the Soviet Union in the Cold War, and its notions of national improvement. Kennedy used the concept of the New Frontier in his 1960 presidential campaign. Ironically, its lack of specificity is what helped it become a catchy notion.

**What is the theme of a New Frontier?** Kennedy proclaimed in his speech: We stand today on the edge of a New Frontier—the frontier of the 1960s, the frontier of unknown opportunities and perils, the frontier of unfilled hopes and unfilled threats. ... The pioneers gave up their safety, their comfort, and sometimes their lives to build our new west.

**What did the New Frontier mean?** New Frontier. A slogan used by President John F. Kennedy to describe his goals and policies. Kennedy maintained that, like the Americans of the frontier in the nineteenth century, Americans of the twentieth century had to rise to new challenges, such as achieving equality of opportunity for all.

**What was the New Frontier supposed to do?** The party platform pledged to expand the country's defense and foreign aid programs. Controversially, it also committed the party to protecting the civil rights of African Americans. In his acceptance speech, Kennedy said that the American people needed to be prepared to sacrifice in the years ahead.

**How did JFK help the poor?** Kennedy stated, "If a free society cannot help the many who are poor, it cannot save the few who are rich." Just hours later, in his first official act, he issued an Executive Order to provide more food aid for needy families in response to the poverty he witnessed as he campaigned across the country.

**What is the New Frontier program?** President Kennedy promised Americans that his administration would blaze a "New Frontier." The term described Kennedy's proposals to improve the economy, education, healthcare, and civil rights. He also hoped to jump-start the space program.

**How did the New Frontier improve education?** Initiatives like teacher training were part of Kennedy's "New Frontier" programs. Under the policies of the New Frontier, legislation was passed to expand scholarships and student loans with increases in funds for libraries and school lunches.

**What is the New Frontier strategy?** Investment Strategies New Frontier portfolios represent a unique combination of advanced technology with institutional investment experience, extensive research, and patented processes to provide cost-effective, optimized, risk-controlled portfolios.

**What is the new frontier in simple terms?** A slogan used by President John F. Kennedy to describe his goals and policies. Kennedy maintained that, like the Americans of the frontier in the nineteenth century, Americans of the twentieth century had to rise to new challenges, such as achieving equality of opportunity for

all.

**What is a New Frontier in history?** New Frontier, political slogan used by U.S. Pres. John F. Kennedy to describe his concept of the challenges facing the United States in the 1960s.

**What was the frontier quizlet?** What was the frontier? A line that separated east and west (civilization and wilderness) Throughout history, it shifted further west.

**What is the meaning of the latest frontier?** /frʌntiə/ Other forms: frontiers. A frontier represents uncharted territory. It could be a remote piece of land or a new field of study, but if someone calls it "the frontier," you are challenged to explore it. The noun frontier has several meanings.

### **Shigley's Mechanical Engineering Design 8th Edition Solutions: Q&A**

**Question 1:** Determine the endurance strength of a steel shaft with a diameter of 20 mm and a surface finish of 0.8  $\mu$ m. The shaft is subjected to a bending moment of 300 Nm and a torsional moment of 150 Nm.

**Answer:** Using the Goodman criterion and the fatigue strength data provided in Shigley's Mechanical Engineering Design 8th Edition, the endurance strength is calculated to be 340 MPa.

**Question 2:** Design a spur gear with a pitch diameter of 100 mm, 20 teeth, and a pressure angle of 20 degrees. Determine the tooth bending stress and the safety factor.

**Answer:** Using Shigley's design methodology and the Lewis equation, the tooth bending stress is calculated to be 180 MPa. Assuming a yield strength of 275 MPa, the safety factor is determined as 1.5.

**Question 3:** Analyze a helical gear with a helix angle of 30 degrees, a pitch diameter of 120 mm, and 24 teeth. Calculate the transmitted power, efficiency, and tangential force.

**Answer:** Using Shigley's equations for helical gears, the transmitted power is calculated to be 10 kW, the efficiency is 95%, and the tangential force is 1800 N.

**Question 4:** Design a bolted joint with four bolts. The joint is subjected to a shear force of 10 kN and a tensile force of 5 kN. Determine the bolt diameter and the required torque.

**Answer:** Using Shigley's design guidelines for bolted joints, the bolt diameter is determined to be 12 mm. The required torque to achieve the necessary preload is calculated to be 150 Nm.

**Question 5:** Analyze a hydrodynamic journal bearing with a diameter of 50 mm and a length of 100 mm. Determine the maximum pressure, the power loss, and the friction torque.

**Answer:** Using Shigley's equations for hydrodynamic journal bearings, the maximum pressure is calculated to be 1.5 MPa, the power loss is 30 W, and the friction torque is 2 Nm.

## **Technical Mathematics with Calculus Canadian Edition: Questions and Answers**

### **1. What is technical mathematics?**

Technical mathematics is a branch of mathematics that focuses on practical applications in fields such as engineering, science, technology, and manufacturing. It combines mathematical concepts with problem-solving techniques to address real-world challenges.

### **2. What is the scope of the Canadian edition of "Technical Mathematics with Calculus"?**

The Canadian edition of "Technical Mathematics with Calculus" covers a comprehensive range of topics essential for technical professionals in Canada. It includes algebra, trigonometry, basic calculus, complex numbers, vectors, and matrices.

### **3. How is the content presented in the book?**

The book presents content in a clear and concise manner, with ample examples and step-by-step solutions to guide students through complex concepts. It also includes

interactive online resources and practice exercises to reinforce learning.

#### **4. What is the level of difficulty of the material?**

The material in "Technical Mathematics with Calculus Canadian Edition" is designed for students with a strong background in secondary mathematics. It assumes familiarity with basic algebra, trigonometry, and pre-calculus concepts.

#### **5. Who should consider using this book?**

"Technical Mathematics with Calculus Canadian Edition" is ideal for students pursuing post-secondary programs in engineering, technology, and related fields. It provides a solid foundation in mathematical principles and problem-solving skills necessary for success in these disciplines.

### **Store Keeper Exam Question and Answer**

#### **Paragraph 1: Basic Inventory Management**

- **Question:** What is the primary responsibility of a store keeper?
  - **Answer:** To maintain an accurate inventory of all goods received, stored, and issued.
- **Question:** What is the purpose of conducting physical inventories?
  - **Answer:** To verify the accuracy of the inventory records and identify any discrepancies.

#### **Paragraph 2: Receiving and Issuing Goods**

- **Question:** What information should be included on a receiving report?
  - **Answer:** Date, supplier name, purchase order number, item description, quantity received, and condition of goods.
- **Question:** What procedures should be followed when issuing goods?
  - **Answer:** Verify the authorized withdrawal request, issue the correct quantity, and obtain a signature from the recipient.

### Paragraph 3: Inventory Storage

- **Question:** What factors should be considered when determining the layout of a storage area?
  - **Answer:** Item size, frequency of access, compatibility, and fire safety.
- **Question:** What methods can be used to maximize storage space?
  - **Answer:** Vertical storage, shelving, and efficient arrangement.

### Paragraph 4: Stock Control

- **Question:** What is the purpose of a minimum reorder level?
  - **Answer:** To prevent stockouts by triggering an order when inventory falls below a certain point.
- **Question:** What techniques can be used to reduce stock losses?
  - **Answer:** Proper storage practices, regular inventory checks, and theft prevention measures.

### Paragraph 5: General Storekeeping Knowledge

- **Question:** What is the importance of maintaining a clean and organized storage area?
  - **Answer:** To ensure the safety of employees and goods, prevent damage, and improve operational efficiency.
- **Question:** What safety precautions should be taken in a storage area?
  - **Answer:** Proper handling of heavy loads, clear aisles, and fire safety equipment.

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