

# SATELLITE REMOTE SENSING PPT

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### Satellite Remote Sensing: Questions and Answers

#### What is Satellite Remote Sensing?

Satellite remote sensing is the acquisition of information about the Earth's surface and atmosphere from satellites orbiting the planet. Satellites carry sensors that detect various forms of electromagnetic radiation, such as visible light, infrared, and radar, enabling them to observe and analyze the Earth's features.

#### How does Satellite Remote Sensing Work?

Satellites orbit the Earth at different altitudes and inclinations, allowing them to capture images and data from various angles and cover different parts of the planet. Sensors onboard the satellites collect data by measuring the intensity and wavelength of electromagnetic radiation reflected or emitted by the Earth's surface. This data is then processed and interpreted to extract useful information.

#### What are the Applications of Satellite Remote Sensing?

Satellite remote sensing has a wide range of applications in various fields, including:

- **Environmental monitoring:** Assessing land use changes, deforestation, pollution levels, and climate change impacts.
- **Natural resource management:** Mapping mineral deposits, monitoring crop health, and detecting water resources.
- **Disaster response:** Providing real-time data on wildfires, floods, and earthquakes for disaster management efforts.

- **Urban planning:** Monitoring city growth, identifying transportation routes, and assessing environmental impacts.
- **Military and security:** Surveillance, reconnaissance, and target acquisition.

### What are the Advantages of Satellite Remote Sensing?

- **Global coverage:** Satellites can observe large areas of the Earth's surface, providing a comprehensive view of global processes.
- **Timely data:** Satellites can collect data frequently, enabling near-real-time monitoring of changes on the ground.
- **Non-intrusive:** Satellite observations do not require physical contact with the Earth's surface, minimizing environmental disturbance.
- **Cost-effective:** Remote sensing data is generally more cost-effective than traditional field-based surveys.

### What are the Challenges of Satellite Remote Sensing?

- **Cloud cover:** Clouds can obscure the Earth's surface, limiting the availability of useful data.
- **Data accuracy:** Satellite data can be affected by atmospheric conditions, sensor calibration, and processing techniques.
- **Data volume:** The vast amount of data collected by satellites can be overwhelming for analysis.
- **Data privacy:** Satellite observations can raise concerns about privacy and data security.

## Yamaha PW50 Repair: Common Questions and Answers

### 1. What are the most common problems with Yamaha PW50s?

- **Leaking oil from the clutch cover:** This can be caused by a worn clutch cable, clutch gasket, or clutch basket.
- **Engine not starting:** This can be caused by a faulty spark plug, ignition coil, or carburetor.

- **Transmission slipping:** This can be caused by worn transmission gears, a faulty clutch, or a loose chain.

## **2. How do I replace the clutch cable on a Yamaha PW50?**

- Remove the seat and fuel tank.
- Unbolt the clutch cover and remove it.
- Remove the old clutch cable by unhooking it from the clutch lever and clutch arm.
- Install the new clutch cable by hooking it up to the clutch lever and clutch arm.
- Adjust the clutch cable tension until there is about 1/8 inch of slack.

## **3. How do I clean the carburetor on a Yamaha PW50?**

- Remove the air filter and carburetor.
- Disassemble the carburetor and remove all of the jets and needles.
- Clean all of the carburetor parts with carburetor cleaner.
- Reassemble the carburetor and reinstall it on the engine.

## **4. How do I check the transmission oil on a Yamaha PW50?**

- Remove the oil fill plug on the left side of the engine.
- Dip a finger in the oil and check the level. The oil should be at the bottom of the oil fill hole.
- Add oil if necessary.

## **5. How do I replace the brake pads on a Yamaha PW50?**

- Remove the caliper bolts and remove the caliper from the brake rotor.
- Remove the old brake pads.
- Install the new brake pads.
- Reinstall the caliper and tighten the caliper bolts.

**What is organizational behaviour according to Stephen Robbins?** Definitions of OB. According to Stephen P Robbins - "Organisational behaviour is a field of study that investigates the impact that individuals, groups and structure have on behaviours within the organizations for the purpose of applying such knowledge towards improving an organizations effectiveness".

**When was Canadian organizational behaviour 11th edition published?**

**What are the 5 C's of organizational behavior?** These five elements; Create, Comprehend, Communicate, Collaborate and Confront, form the basis of an effective people management approach. Whilst each element is important in its own right they all interrelate with and support the others.

**What is organizational behaviour pdf?** Organisational behaviour is concerned with the characteristics and behaviours of. employees in isolation; the characteristics and processes that are part of the organisation itself; and. the characteristics and behaviours directly resulting from people with their individual needs and.

**What are the 4 C's of organizational behavior?** The four C's or 4Cs – Communication, Collaboration, Creativity, and Competence are vital attributes that intertwine to define corporate success.

**What are the 4 concepts of organizational behavior?** The four elements of organizational behavior are people, structure, technology, and the external environment. By understanding how these elements interact with one another, improvements can be made.

**Who wrote the Organisational Behaviour 9th edition?** About the Author Stephen P. Robbins is Professor Emeritus of Management at San Diego State University and the world's best-selling textbook author in the areas of both management and organisational behaviour.

**When was organizational behavior founded?** HISTORY OF ORGANIZATIONAL BEHAVIOR The beginnings of OB can be found within the human relations/behavioral management movement, which emerged during the 1920s as a response to the traditional or classic management approach.

**When was Psychology Themes and Variations 11th edition published?**

**What is the Big Five theory of organizational behavior?** This stands for openness to experience, conscientiousness, extraversion, agreeableness and neuroticism. These personalities can help companies understand their employees and provide insight into their motivations, traits, behaviors and talents.

**What are the 5 models of OB?** Unlock the mystery behind autocratic, collegial, supportive, custodial, and system models, while delving into the integrative and congruence models' core components. Further, explore practical examples illustrating the application of these models in a workplace setting.

**What are the three levels of OB?** The most widely accepted model of OB consists of three interrelated levels: (1) micro (the individual level), (2) meso (the group level), and (3) macro (the organizational level). The behavioral sciences that make up the OB field contribute an element to each of these levels.

**Who is the father of organizational behavior?** One of the first management consultants, Frederick Taylor, was a 19th-century engineer who applied an approach known as the scientific management. Taylor advocated for maximizing task efficiency through the scientific method.

**What is Robbins model of OB?** Robbins defines organisational behaviour as “a field of study that investigates the impact that individuals, groups and structures have on behaviour within organisations for the purpose of applying such knowledge toward improving an organisation's effectiveness.”

**What is organizational behavior in simple words?** Organizational behavior is the study of how individuals and groups interact within an organization and how these interactions affect an organization's performance toward its goal or goals. The field examines the impact of various factors on behavior within an organization.

**What is an organization according to Robbins?** Robbins (2003, p: 2) “Organization is a consciously coordinated social unit, composed of two or more people, that functions on a relatively continuous basis to achieve a common goal or set of goals”.

**What is the theory of organizational Behaviour?** Organizational behavior theory assumes that both individual behavior and group behavior are critical to creating more stable and effective organizations. T-groups offered a way for individuals to explore interpersonal relations and group dynamics.

**What is the concept of organisational behaviour explain?** Organizational behavior is the study of how individuals and groups interact within an organization and how these interactions affect an organization's performance toward its goal or goals. The field examines the impact of various factors on behavior within an organization.

**What is the Robbins and Judge model of team effectiveness?** The Robbins and Judge model provides a comprehensive view of team effectiveness by considering four elements: context, composition, work design, and processes. This model is particularly suited for large, diverse organizations due to its holistic approach.

**Text: Discrete Mathematics Author: Swapan Kumar Sarkar**

**Q1. What is the definition of a finite set?** A1. A set that contains a finite number of elements.

**Q2. Explain the Cartesian product of two sets.** A2. The Cartesian product of two sets A and B, denoted as  $A \times B$ , is a set of ordered pairs (a, b) where a belongs to A and b belongs to B.

**Q3. What is a permutation of a set?** A3. A permutation of a set is an ordered arrangement of all its elements.

**Q4. Define the concept of a lattice.** A4. A lattice is a partially ordered set in which any two elements have a unique least upper bound (supremum) and a unique greatest lower bound (infimum).

**Q5. Explain the Pigeonhole Principle.** A5. The Pigeonhole Principle states that if n items are placed into m pigeonholes, where  $n > m$ , then at least one pigeonhole must contain more than one item.

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