

# DABT EXAM QUESTION TOXICOLOGY

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**What is the full form of dabt?** Diplomate of the American Board. of Toxicology (DABT)

**What does this science study toxicology?** What is toxicology? Toxicology is a field of science that helps us understand the harmful effects that chemicals, substances, or situations, can have on people, animals, and the environment.

**What does DBST stand for?** Message Objective(s): To build capacity for district officials to constitute and operationalise District- Based Support Teams (DBST) in their districts.

**What is the meaning of DWT?** Deadweight tonnage (also known as deadweight; abbreviated to DWT, D.W.T., d.w.t., or dwt) or tons deadweight (DWT) is a measure of how much weight a ship can carry. It is the sum of the weights of cargo, fuel, fresh water, ballast water, provisions, passengers, and crew.

**What are the four types of toxicology?** It discusses the importance of toxicology in protecting human and environmental health. The different types of toxicology are described like general toxicology, mechanistic toxicology, descriptive toxicology, and regulatory toxicology.

**Is toxicology a hard science?** In forensic toxicology, the interpretation and communication of the results can be more challenging than the analysis itself. The results obtained are often determined using scientific tests and procedures that are complex and difficult for most juries and lawyers to understand.

**Is a toxicologist a doctor?** Medical toxicologists are physicians who specialize in the prevention, evaluation, treatment, and monitoring of injury and illness from exposures to drugs and chemicals, as well as biological and radiological agents.

**What is the full form of DDRT?** Deceased donor renal transplantation (DDRT) constitutes less than 5% of all kidney transplantats in India.

**What does "in debt" mean?** If you are in debt or get into debt, you owe money. If you are out of debt or get out of debt, you succeed in paying all the money that you owe. He was already deeply in debt through gambling losses. See full dictionary entry for debt.

**What is the full form of D&T in medical?** Source publication. Health Information Systems: Past, Present, Future - Revisited. Article. Full-text available.

**What is the full form of AIUB university?** American International University - Bangladesh (AIUB) is a government approved private university founded in 1994 by Dr. Anwarul Abedin.

## **Why Do Clocks Run Clockwise?**

Have you ever wondered why clocks typically move in a clockwise direction? This seemingly arbitrary choice has a long and fascinating history.

### **Early Sun-Based Timekeeping**

The origins of clockwise rotation can be traced back to ancient Egypt. Egyptians used sundials to mark the passage of time, and the shadow cast by the sun moved in a clockwise direction from sunrise to sunset. This provided an early reference point for determining the time.

### **Christian Influence**

During the Middle Ages, the Church played a significant role in the development of clocks. The liturgical day began at sunset and ended at sunset the next day. As a result, the clock was designed to move in a clockwise direction to reflect the movement of the sun across the sky.

## **Mechanical Limitations**

Early clocks were mechanical devices made with gears and wheels. The design of these gears made it easier for them to rotate clockwise than counterclockwise. This mechanical constraint further contributed to the adoption of clockwise rotation.

## **Cultural Adoption**

Over time, the clockwise direction became the accepted convention for timekeeping devices. As clocks spread throughout the world, this convention was adopted by different cultures, regardless of their geographical location. This standardization made it easier to read and compare time across different regions.

## **Exceptions**

While most clocks run clockwise, there are a few exceptions. Some ancient sundials rotated counterclockwise, and there have been a few modern attempts to create counterclockwise clocks. However, the clockwise direction remains the dominant convention for timekeeping worldwide.

## **TechMax Publication Microprocessor for Engineering: Questions and Answers**

### **1. What is a microprocessor and what is its function?**

A microprocessor is a small, complete computer that can be programmed to perform a variety of tasks. It is composed of an arithmetic logic unit (ALU), control unit, and memory. The ALU performs mathematical and logical operations on data, the control unit directs the flow of data and instructions, and the memory stores data and instructions.

### **2. What are the different types of microprocessors?**

There are many different types of microprocessors, each with its own strengths and weaknesses. Some of the most common types include:

- **RISC (Reduced Instruction Set Computer):** RISC microprocessors have a small number of simple instructions, which makes them faster and more efficient than microprocessors with a larger number of complex instructions.

- **CISC (Complex Instruction Set Computer):** CISC microprocessors have a larger number of complex instructions, which makes them more versatile than RISC microprocessors.
- **DSP (Digital Signal Processor):** DSP microprocessors are specifically designed to process digital signals. They are often used in applications such as audio and video processing.

### 3. How is a microprocessor programmed?

Microprocessors are programmed using assembly language or machine code. Assembly language is a low-level language that is similar to machine code, but is easier to read and write. Machine code is the binary code that is actually executed by the microprocessor.

### 4. What are some applications of microprocessors?

Microprocessors are used in a wide variety of applications, including:

- Computers
- Smartphones
- Digital cameras
- MP3 players
- Cars
- Appliances

### 5. What are the future trends in microprocessor technology?

The future of microprocessor technology includes:

- **Multi-core microprocessors:** Microprocessors with multiple cores can process multiple instructions at the same time, which makes them faster and more powerful.
- **3D microprocessors:** 3D microprocessors are stacked in layers, which allows them to be more compact and energy-efficient.
- **Quantum microprocessors:** Quantum microprocessors use quantum mechanics to perform operations, which could make them much faster and

more powerful than traditional microprocessors.

**What is the IPC 1601 standard?** IPC 1601 specifies comprehensive measures regarding the handling and storage of circuit boards. In addition to the manufacture, storage and transportation of circuit boards, it also covers the requirements for reliable processing at the user's end.

**What are the IPC standards for printed circuit board?** IPC-2221 establishes standards for PCB design aspects such as schematic, material selection, thermal management, DFM, DFA, DFT, and quality assurance. Some of the primary design requirements of high-voltage boards are defined in IPC-2221B. They include conductor spacing, creepage, and insulation requirements.

**What are the rules for handling PCB boards?** Direct handling of PCBs should be kept to a minimum, which means your personnel must transport them on racks or tray carts rather than by hand. Whenever PCBs need to be held directly, it's important to take them gently by the edges and wear clean gloves if possible.

**What precautions should be taken before handling printed circuit boards?** You should minimize direct handling (meaning hands-on contact) with PCBs, opting to transport them on racks and tray carts whenever possible. If you do need to hold them directly, do so gently by their edges and wear clean gloves (and change them often).

**What is the shelf life of a PCB?** But it still depends on the type of PCB surface finish that you are using. Different surface finishes will provide different PCB shelf life. If you are relying on a lead-free surface finish, then your PCBs will have a PCB shelf life of 2 years, while for others like OSP, the shelf life is up to 6 months maximum.

**What is the IPC standard?** Standards. IPC standards are used by the electronics manufacturing industry. IPC-A-610, Acceptability of Electronic Assemblies, is used worldwide by original equipment manufacturers and EMS companies. There are more than 3600 trainers worldwide who are certified to train and test on the standard.

**What are IPC requirements?** Instrument Proficiency Check (IPC) Requirements To maintain your instrument flight privileges, you must have flown and logged, within the preceding 6 months: Six instrument approaches. Holding procedures and tasks. Intercepting and tracking courses using electronic navigational systems.

**What are the safety rules for printed circuit board?** Keep your workstation clean of any materials or liquids that could contaminate the PCB. Make sure your workstation is designed to resist static electricity buildup. Handle the circuit board by its edges with a secure grip using as little pressure as possible.

**What are the three types of printed circuit boards?**

**What are the best practices for handling PCB?**

**What is the safest way to handle PCBs?** A key rule for printed circuit boards is to handle them as little as possible. Rather, use trays and carts to move them around. If PCB assembly calls for hands-on work, wear gloves. If you need to transport the board between stations during PCB assembly, use a protective bag to prevent damage.

**What is PCB guidelines?** Tips to design a circuit board layout: All components and connectors must be at least 0.04" (40 mils) away from the board edge. Drill holes (plated and non plated) and copper traces should be placed at least 0.010"(10 mils) away from the board edge. Ensure that footprint pads match the components listed in the BOM.

**What is the IPC standard for PCB handling?** IPC-2581: IPC-2581 is a generic standard used when sending information between a PCB designer and a manufacturer or assembly company. It provides a standardized format for exchanging design data that helps ensure consistent production results. IPC-2221: IPC-2221 is a generic standard for the design of PCBs.

**Which metals Cannot be used in printed circuit boards?** Zinc is brittle and hence cannot be used in printed circuit boards.

**Are printed circuit boards hazardous?** Circuit boards can be toxic for metals but may be managed as exempt scrap metal if they are recycled for their metal content.

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**What is the IPC for baking PCB?** PCB baking condition setting After unpacking, it is placed in a temperature and humidity controlled environment (30 degree Celsius/60%RH, according to IPC-1601) for more than 5 days. Bake at 120±5 degree Celsius for 1 hour.

**What is the section of wrongful restraint and wrongful confinement?** Section 340 of the Indian Penal Code 1860 defines wrongful confinement as, "whoever wrongfully restrains any person in such a manner as to prevent that person from proceeding beyond certain circumscribing limits, is said "wrongfully to confine" that person."

**What temperature to bake a PCB board?**

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