

## Week-3 Assignment-3

1. Which of the following factors affect the success and failure of potential late bloomers?
  - a. **Contextual differences**
  - b. Religious differences
  - c. Physical differences
  - d. Environmental differences
  
2. A scientific theory is acceptable only when it results from risky predictions. Risky prediction for Karl Popper is:
  - a. **That said proposition might turn out to be false**
  - b. That said proposition can never be false
  - c. That said proposition is the result of risks undertaken by scientists
  - d. That said proposition can never be challenged in the future
  
3. Conventionalist Stratagem means:
  - a. A theorist tries to improve the theory
  - b. **A theorist tries to make theory foolproof by adding certain clauses**
  - c. A theorist adheres to conventional strategies
  - d. A theorist tries to come up with an entirely new theory
  
4. The universally recognized scientific achievements that, for a time, provide model problems & solutions to a community of practitioners are known as:
  - a. **Paradigm**
  - b. Theory
  - c. Law
  - d. Concept
  
5. Who propounded the idea of 'Invisibility of Revolution'?
  - a. Karl Popper
  - b. **Thomas Kuhn**
  - c. Anthony Giddens
  - d. Zaheer Babar

6. The argument that scientific research is a puzzle solving activity because it generally has some rules put forward in:
- a. **Structure of Scientific Revolution**
  - b. Science as a falsification
  - c. Matthew Effect-II
  - d. Science, Technology and Colonial Power in India
7. 'Anomaly' does not refer to:
- a. A phenomenon not explained by existing paradigm
  - b. **A phenomenon explained by existing paradigm**
  - c. When a puzzle requires an alternative solution
  - d. A finding which is not in sync with dominant paradigm
8. According to Thomas Kuhn, scientific progress is:
- a. A result of a linear process
  - b. Acculturation
  - c. Accumulation
  - d. **A revolution**
9. Which one of the following is a criterion of distinction between science and non-science, according to Karl Popper?
- a. **Falsifiability**
  - b. Testability
  - c. Acceptability
  - d. Refutability
10. Which of the following book is written by Karl Popper?
- a. **Logic of Scientific Discovery**
  - b. The Structure of Scientific Revolutions
  - c. The Structure of Social Revolutions
  - d. Social Structures

**Answer key**

1.(a), 2. (a), 3. (b), 4. (a), 5. (b) 6. (a) 7. (b) 8. (d), 9. (a) 10. (a)