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NPTEL

reviewer4@nptel.iitm.ac.in ▼

**Courses » Sociology of Science**

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## Unit 3 - Week 2

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## Course outline

### How to access the portal

#### Week 1

#### Week 2

- Lecture 6 Ethos of Science I
- Lecture 7 Ethos of Science II
- Lecture 8 Science and Economy of 17th Century England
- Lecture 9 Matthew Effect Part 1
- Lecture 10 Matthew Effect Part 2
- Quiz : Assignment 2
- Solution: Assignment 2

#### Week 3

#### Week 4

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## Assignment 2

The due date for submitting this assignment has passed.

As per our records you have not submitted this assignment. **Due on 2019-02-13, 23:59 IST.**

1) Which of the following statements is true regarding the norms which guide the scientist within the scientific community? **1 point**

- The norms take the form of prescriptions, proscriptions, preferences and permissions.
- They are legitimized in terms of institutional values.
- They are institutionalised by scientists and guide their scientific concerns.
- All of the above

**No, the answer is incorrect.**

**Score: 0**

**Accepted Answers:**

*All of the above*

2) Which of the following is not true regarding an eponymous law or theory? **1 point**

- It is named based on the discoverer or inventor.
- It enters into the exclusive possession of the discoverer and her/his heirs.
- It is a mnemonic and commemorative device
- None of the above

**No, the answer is incorrect.**

**Score: 0**

**Accepted Answers:**

*It enters into the exclusive possession of the discoverer and her/his heirs.*

3) Disinterestedness as a norm implies: **1 point**

- Science is a collaborative effort
- Lack of privileged source of scientific knowledge
- Emphasis on shared nature of scientific pursuits
- Passion and curiosity of the scientists

**No, the answer is incorrect.**

**Score: 0**

**Accepted Answers:**

*Passion and curiosity of the scientists*

4) The idea that a scientist's social characteristics influence how her/his work is judged is associated with **1 point**

- Particularism
- Matthew Effect in science
- Both A and B
- Neither A nor B

**No, the answer is incorrect.**

**Score: 0**

**Accepted Answers:**

*Both A and B*

5) The linkage between social needs and scientific and technological advancement led to the development of **1 point**

- Communism
- Feudalism
- Monopoly
- Capitalism

**No, the answer is incorrect.**

**Score: 0**

**Accepted Answers:**

*Capitalism*

6) Which of the following played role in the development of science and technology in 17th century England? **1 point**

- Military demands
- Economic benefits of invention and discovery
- The need for social acclaim and social mobility
- All of the above

**No, the answer is incorrect.**

**Score: 0**

**Accepted Answers:**

*All of the above*

7) Matthew Effect is in operation in case of **1 point**

- Joint collaboration
- Independent multiple discoveries
- Both A and B
- Neither A nor B

**No, the answer is incorrect.**

**Score: 0**

**Accepted Answers:**

*Both A and B*

8) Which of the following statements is false in the context of Matthew Effect? **1 point**

- It can lead to double unintended injustice.
- Matthew Effect is always dysfunctional for scientific communication.
- It can heighten the visibility of a work associated with a prominent scientist.
- It can allow readers to choose the work of scientists with better professional credentials.

**No, the answer is incorrect.**

**Score: 0**

**Accepted Answers:**

*Matthew Effect is always dysfunctional for scientific communication.*

9) Which of the following are examples of great scientific work that did not acquire initial prominence owing to operation of Matthew Effect? **1 point**

- Waterston's work on molecular velocity
- Mendelian genetics
- Fourier's work on propagation of heat



All of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

All of the above

10) When eminent scientists focus on certain areas within their discipline and elevate it to a new and distinguished school of thought, the process is called \_\_\_\_\_ .

1 point

Ratchet Effect

Focalisation

Matthew Effect

Particularism

No, the answer is incorrect.

Score: 0

Accepted Answers:

Focalisation



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