



Notes of Chapter 4 – A truly beautiful mind

1. Here are Some Headings for Paragraphs in the Text. Write the Number(s) of the Paragraph(s) for Each Title Against the Heading. The First One is Done for You.

1. Einstein's Equation

Ans: 9

2. Einstein Meets his Future Wife

Ans: 7

3. The Making of a Violinist

Ans: 3

4. Mileva and Einstein's Mother

Ans: 10

5. A letter that Launched the Arms Race

Ans: 15

6. A Desk Drawer Full of Ideas

Ans: 8

7. Marriage and Divorce

Ans: 11

2. Who Had These Opinions About Einstein?

(i) He was Boring.

Ans: Einstein was considered boring by his playmates.

(ii) He was Stupid and Would Never Succeed in Life.

Ans: Einstein's headmaster used to think that he was stupid and assumed he would never succeed in his life.

(iii) He was a Freak.

Ans: Einstein's mother used to think that he was a freak.

3. What are the Reasons for the Following:

I. Einstein Leaving the School in Munich for Good.



Ans: Einstein used to hate his school's regimentation in Munich therefore he left it for good.

ii. Einstein Wanting To Study in Switzerland Rather Than in Munich.

Ans: Switzerland was a more liberal city that's why he wanted to study there rather than in Munich.

iii. Einstein Seeing in Mileva an Ally.

Ans: Mileva, just like Einstein himself, disapproved of the people who didn't like art, literature or music, so he found an ally in her.

iv. What Do These Tell You About Einstein?

Ans: These tell us that he was a liberal and cultured person and he loved freedom.

4. Why Did Einstein Call His Desk Drawer at the Patent Office?

Ans: Einstein called his desk drawer at the patent office, i.e. the "bureau of theoretical physics" as he had used the drawer to store his secretly developed ideas.

5. Why Did Einstein Write a Letter to Franklin Roosevelt?

Ans: The letter by Einstein to Roosevelt was written to warn about the bomb effect and he also wanted to encourage them to create a bomb so as to utilize its destruction potential.

6. How Did Einstein React to the Bombing of Hiroshima and Nagasaki?

Ans: Einstein was shock by the news of disaster in Hiroshima and Nagasaki. He also wrote a public letter to the United. He wanted a world government to be formed to cease nuclear weapons.

7. Why Does the World Remember Einstein as a "World Citizen"?

Ans: Einstein put a lot of effort towards democracy and world peace. Alongside being a great scientist, he also fought against the use of arms.

8. Here are Some Facts from Einstein's Life. Arrange Them in Chronological Order.

() Einstein publishes his special theory of relativity.

() He is awarded the Nobel prize in Physics.

() Einstein writes a letter to U.S. President, Franklin D. Roosevelt, and warns against Germany building an atomic bomb.



() Einstein attends a high school in Munich.

() Einstein's family moves to Milan.

() Einstein is born in the German city of Ulm.

() Einstein joins a university in Zurich, where he meets Mileage.

() Einstein dies.

() He provides a new interpretation of gravity.

() Tired of the school's regimentation, Einstein withdraws from school.

() He works in a patent office as a technical expert.

() When Hitler comes to power, Einstein leaves Germany for the United States.

Ans (1) Einstein is born in the German city of Ulm.

(2) Einstein attends a high school in Munich.

(3) Einstein's family moves to Milan.

(4) Tired of the school's regimentation, Einstein withdraws from school.

(5) Einstein joins a university in Zurich, where he meets Mileva.

(6) He works in a patent office as a technical expert.

(7) Einstein publishes his special theory of relativity.

(8) He provides a new interpretation of gravity.

(9) He is awarded the Nobel Prize in Physics.

(10) When Hitler comes to power, Einstein leaves Germany for the United States.

(11) Einstein writes a letter to U.S. President, Franklin D. Roosevelt, and warns against Germany building an atomic bomb.

(12) Einstein dies.

