

CBSE Class 9 English Language and Literature
Beehive Chapter-4 A Truly Beautiful Mind
Test Paper-04

1. Einstein's new personal chapter coincided with his rise to world fame. In 1915, he had published his General Theory of Relativity, which provided a new interpretation of gravity. An eclipse of the sun in 1919 brought proof that it was accurate. Einstein had correctly calculated in advance the extent to which the light from fixed stars would be deflected through the sun's gravitational field. The newspapers proclaimed his work as "a scientific revolution." Einstein received the Nobel Prize for Physics in 1921. He was showered with honors and invitations from all over the world and lauded by the press.
 - a. Why was Einstein showered with honors and invitations?
 - b. What provided a new interpretation of gravity?
 - c. What was eclipse proof of?
 - d. What had Einstein correctly calculated?
2. When Einstein died in 1955 at the age of 76, he was celebrated as a visionary and world citizen as much as a scientific genius.
 - a. At what age did Einstein die?
 - b. Why was Einstein celebrated as a visionary?
 - c. Who all called Einstein as world citizen?
 - d. What was the initial paper that Einstein published in 1905?
3. Where did Einstein did his schooling?
4. What was the reaction of the playmates of Einstein during childhood?
5. When and where did Einstein meet Meliva?
6. Which theory were Einstein and Meliva working on?
7. Which theory brought glory to Einstein?
8. Why did Einstein write to American President Roosevelt?

Answer the following questions in about 100 words:

9. Why did Einstein feel stifled at school in Munich?
10. How was Einstein's childhood? What was his reaction when his sister was born?

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Answer

1.
 - a. When in 1921 Einstein received Nobel Prize for Physics, he was showered with honors and invitations.
 - b. The General theory of Relativity provided a new interpretation of gravity.
 - c. The Solar eclipse of 1919 was the proof of the theory of relativity given by Einstein to the world.
 - d. Einstein had correctly calculated in advance the extent to which the light from fixed stars would be deflected through the sun's gravitational field.
2.
 - a. Einstein died in 1955 at the age of 76.
 - b. Einstein was celebrated as a visionary because of his theories of relativity and the formula $e = mc^2$ that he gave to the world.
 - c. The people all over the world called Einstein as world citizen because he advocated a world government based on democracy.
 - d. The initial paper that Einstein published in 1905 was on the theory of relativity.
3. Einstein did his schooling in Munich where his parents had shifted when he was 15 months old. He went to high school in Munich, and scored good marks in almost every subject
4. The playmates of Einstein during his childhood felt that he was a boring child and called him 'Brother Boring'.
5. Einstein met Mileva in a University in Switzerland. She had come there to pursue her studies. There were very few universities in Europe where women could get degree.
6. Einstein and Mileva were working on the theory of relativity.
7. Einstein rose to world fame in 1915 when he had published his General Theory of Relativity, which provided a new interpretation of gravity.
8. On the insistence of a colleague Einstein wrote to American President Roosevelt on 2 August 1939, in which he warned that a single atomic bomb if exploded in a port, might very well destroy the whole port together with some of the surrounding territory.
9. Albert Einstein was not a bad pupil. He went to high school in Munich, where his family

had moved when he was 15 months old. He felt stifled at school in Munich because he was always at odds with his teachers. Though he scored good marks in all the subjects, Einstein hated the school's regimentation, and often clashed with his teachers. At the age of 15, Einstein felt so stifled there that he left the school for good.

10. Einstein's childhood was not normal. His mother considered him a freak. He did not speak till he was two and half a year old. When he started speaking he spoke everything twice. He didn't know what to do with other children, so they called in 'Brother Boring'. He was happy playing with mechanical toys. When his sister Maja was born he said 'where are her wheels?', because he thought her to be a mechanical toy.