

## **Diligimus cognition (We Love Knowledge)-6**

by Salik Miskat Borbora - Monday, January 07, 2013

<http://gonitsora.com/diligimus-cognition-we-love-knowledge-6/>

### **Questions:**

1. The February 2011 issue of the *Science* (Feb 16) and *Nature* (Feb 15) reported two separate but similar scientific development that was individually achieved by two different working groups through two different approaches. The cover pages of the specific issues have been given. Give me the scientific development :

2. Identify the logo of this company and its significance in the field of technology it operates.

3. *“Here in the place of that Hijli Detention Camp stands the fine monument of India, representing India's urges, India's future in the making. This picture seems to me symbolical of the changes that are coming to India.”*

Which “*fine monument*” does Pandit Jawaharlal Nehru refer to in the quoted lines above?

4. Starting from the left, we have Ahmed Zewail, Elias Zerhouni and Bruce Alberts all accomplished scientists in their respective fields. However, give me a political connect that makes me assemble all of them together in this picture.

5. The following picture shows a right angled triangle. The side “h” denoted in the figure is the hypotenuse. By what name are the sides other than the hypotenuse of a right angled triangle known?

6. Who is this person waving from his hospital bed?

7. This particular disorder is among the most painful conditions known. 1 in 15,000 people are known to suffer from this ailment. In a majority of cases, symptoms of this neuropathological disorder begin appearing after the age of 50, although there have been cases with patients being as young as three years of age. Although it is more common in females than in males, the disorder came to light in the country because a high profile male superstar from Bollywood claimed to have undergone surgery to relieve himself from the pain caused by this particular disorder. Name the ailment.

8. Among many awards and honors, this gentleman was honored with the fellowships of Royal Society of Medicine, London and National Institute of Sciences of India. He was also conferred the Knighthood by the British government in 1934 and nominated for the Nobel Prize in physiology and medicine in 1929. Apart from achieving great feats in his area of research, this son of India played a significant role in the establishment of the second Blood Bank of the world in 1939 in Kolkata.

Identify him from the picture below:

9. The following image contains the picture of a board game which was being showed to have been played by John Forbes Nash in the movie "A Beautiful Mind". Name the game.

10. The following is a screenshot from the movie "The Girl who Kicked the Hornet's Nest" from the Millenium Trilogy series. In the image it is seen that the character Lisbeth Salander is holding a book which was being gifted to her by her doctor. The title of the book has been blurred. Give me the name of the book or the subject matter of the book.

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**Answers:**

1. **Draft sequence of the Human genome was published.**(The draft human genome sequence by the **International Human Genome Sequencing Consortium** was published in **Nature** and the draft human genome sequence by the **Celera Genomics** was published in **Science**)

2. The logo is of Radiolinja. It is a Finnish GSM operator. The world's first GSM call was made through this network.

3. Indian Institute of Technology, Kharapur

4. The three of them constituted the first US science envoys to Islam visiting Muslim-majority countries from North Africa to Southeast Asia in January 2010

The Science envoy programme was announced by the US president Barack Obama at his speech in Cairo University, 2009, as part of a *"new beginning between the United States and Muslims around the world."*

5. Cathetus

6. He is Louis Washkansky. He is the first person to receive a heart transplant.

7. Trigeminal neuralgia. (Salman Khan is the Bollywood superstar who suffered from the disorder)

8. Upendranath Brahmachari

9. Hex

10. The book is "Understanding DNA".

The subject matter is thus the DNA molecule and its structure.

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