1. “The two chains of DNA are like two lovers, held tightly together in an intimate embrace, but separable because however closely they fit together each has a unity which is stronger than the bonds which unite them.” Who gave this statement in his book called Life itself: Origin and Nature (1981).
   (A) Francis Crick
   (B) Erwin Schrödinger
   (C) Garrett Hardin
   (D) Sir Jagadish Chandra

2. Known as Jack, this British-born Indian scientist was a real polymath. He wrote in his essay, “On being the right size”, the most obvious differences between different animals are differences of size, but for some reason the zoologists have paid singularly little attention to them. Name this scientist who is credited to be “the cleverest man” by Nobel laureate Peter Medawar.
   (A) James Jean
   (B) J.B.S. Haldane
   (C) Peter Atkins
   (D) Martin Rees

3. This Russian American geneticist was one of the co-founders of the neo-Darwinian Modern Synthesis. What is the name of this scientist who in his one of the most influential books called Mankind Evolving wrote, “In short, nature is not sovereign over some traits and potentialities and nurture over others; they share all traits in condominium.”
   (A) Georgii Gause
   (B) Ivan Pavlov
   (C) Theodosius Dobzhansky
   (D) Jacob Bronowski

4. Many of us have been surprised at the unconventional decision of the Nobel Foundation to award this year’s prize for Physiology or Medicine to three men who had until recently been regarded as ‘mere animal watchers’. This was the statement given in December 1973 in the beginning of Nobel Lecture given by this scientist who is considered to be the master of naturalist experiments. Name the scientist who in 1951 wrote The Study of Instinct, an influential book on animal behaviour.
   (A) David Lack
   (B) Jared Diamond
   (C) G.C. Williams
   (D) Niko Tinbergen

5. “If the poor leave more surviving offspring than do the rich, as is sometimes true, then they are, by evolutionary definitions, more fit, and the whole argument can be stood on its head”. This statement is taken from the Social Evolution written by a scientist who thought evolutionary strategy in economic terms. Name the scientist.
   (A) Fred Hoyle
   (B) Richard Gregory
   (C) John Tyler
   (D) Robert Trivers

6. “So too are the lifelessness, the hopelessness, the despair of the winter sea are illusions. Everywhere are the assurances that the cycle has come to the full, containing the means of its own renewal.” Name the scientist who wrote the statement in her one of the bestsellers called The Sea Around Us.
   (A) Rosalind Franklin
   (B) Jeanne Altmann
   (C) Rachel Carson
   (D) Dian Fossey

7. “The truth is, however, that there is nothing very normal about nature. Once upon a time there were no flowers at all.” This statement has been taken from the book entitled, The Immense Journey: An Imaginative Naturalist Explores the Mysteries of Man and Nature written by an American scientist who was a scholar and writer of imagination and grace. Publishers Weekly referred to him as “the modern Thoreau”.
   (A) Julian Huxley
   (B) Loren Eiseley
   (C) E.P. Odum
   (D) Richard Dawkins

8. “Ninety-nine percent of animals find their way by chemical trails laid over the surface, suffuses of odor released into the air or water, and scents diffused out of little hidden glands and into the air downwind. Animals are masters of this chemical channel, where we are idiots.” This statement taken from the book The Diversity of Life was written by one of the most distinguished living naturalists of our time. Name this prolific, hardworking award winning scientist.
   (A) Edward O. Wilson
   (B) G.H. Hardy
   (C) Konrad Lorenz
   (D) Alfred Wallace

The Literary Scientists

Mayanglambam Ojit Kumar Singh

Science Reporter, NOVEMBER 2016
9. Better known as a novelist than as a scientist, this man in his foreword to G.H. Hardy’s *A Mathematician’s Apology* wrote “The association was a strangely touching one. Hardy did not forget that he was in the presence of genius: but genius that was, even in mathematics, almost untrained.” Name this scientist better known for his novels.
(A) C. P. Snow
(B) Robert Oppenheimer
(C) Max Perutz
(D) George Gamow

10. “I have chosen to describe science as an account of the machinery of nature, not in engineering terms, but in linguistic ones....But a more cogent reason, of course, is that language is a more telling and a better model for science than in any mechanism”. Name the author who wrote these statements in *The Identity of Man.*
(A) Henryk Arctowski
(B) Jacob Bronowski
(C) Ernest Malinowski
(D) Kazimierz Funk

11. “His mother, a gentle and latterly an ailing creature, fond of flowers and pets, had propounded a riddle which it was Darwin’s life-work to resolve: How by looking inside a flower, might its name be discovered?” This quote has been extracted from *Darwin’s Illness,* which was written by Nobel-prize winning zoologist and medical scientist who is undoubtedly considered to be the wittiest of all scientific writers. Name the scientist.
(A) Adib Jatene
(B) Adolfo Lutz
(C) Peter Medawar
(D) Carlos Chagas

12. “The present becomes relevant, and the past therefore becomes scientific, only if we can sum the small effects of present processes to produce observed results. Creationists did not use this principle and therefore failed to understand the relevance of small-scale variation that pervades the biological world.” These lines have been taken from an essay entitled *Worm for a Century,* And All Seasons written by one of the finest exponents of the scientific short story. Name this American paleontologist who wrote the statement.
(A) George Lois
(B) Charles Darwin
(C) James Russell
(D) Stephen Jay Gould

13. “Nothing can replace the company of others who have the background to catch errors in your reasoning or provide facts that may either prove or disprove your argument of the moment. And the sharper those around you, the sharper you will become”. Name this American scientist who wrote the above statements in his memoir called *Avoid Boring People.*
(A) Peter Atkins
(B) Kenneth Boulding
(C) Douglas Futuyama
(D) James Watson

14. “A God who rewards and punishes is inconceivable to him for the simple reason that a man’s actions are determined by necessity, external and internal, so that in God’s eyes he cannot be responsible, any more than an inanimate object is responsible for the motions it goes through. Hence, science has been charged with undermining morality, but the charge is unjust”. Who is this greatest scientist of the age who wrote the passage in his *Religion and Science.*
(A) Thomas Edison
(B) Rudolf Diesel
(C) Albert Einstein
(D) Benjamin Franklin

15. Following is an excerpt taken from a marvelous book *The Demon-Haunted World: Science as a Candle in the Dark.* “We’ve arranged a global civilization in which most crucial elements- transportation, communications, and all other industries; agriculture, medicine, education, entertainment, protecting the environment; and even the key democratic institution of voting- profoundly depend on science and technology”. Name this American astronomer who is best known for his work as a science popularizer and communicator.
(A) Tycho Brahe
(B) Carl Sagan
(C) Edwin Hubble
(D) Ptolemy

16. “How could we express in terms of the statistical theory the marvelous faculty of a living organism, by which it delays the decay into thermodynamical equilibrium (death)?” The statement is taken from the book called *What is Life?* written by an Austrian physicist who developed a number of fundamental results in the field of quantum theory.
(A) Erwin Schrödinger
(B) Karl von Friesch
(C) Konrad Lorenz
(D) Skinner

Answers:
(1) b (2) b (3) c (4) d (5) d (6) c (7) b (8) a (9) a (10) b (11) c (12) d (13) d (14) c
(15) b (16) a

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