

JACK KILBY SCIENCE QUIZ 2006 PRELIMS

Date: 14th November 2006

Venue: Shri Ram Centre of Art and Culture, New Delhi

1. The 'Rh Factor' of our blood is named after which species?
Rhesus Monkey
2. Identify the bird.



Pelican

3. This is an instrument used by masons and builders. What is it called?



Plumb Line

4. What is the meaning of this symbol?



Recycle

5. Identify the fish.



Archerfish

6. Who uses this?



A Cobbler / Shoemaker

7. In the vaccine DPT, if D stands for 'Diphtheria' and T stands for 'Tetanus', what does P stand for?

Pertussis

8. Connect:

- An aquatic flower
- A software company
- A Tintin comic
- A British sports and racing car manufacturer

Lotus

9. The body of an insect is divided into three main parts – a head, a _____, and an abdomen. Fill in the blank.

Thorax

10. What is the nicknamed given to the area marked with dots on this world map?



The Pacific 'Ring of Fire'

11. What is the common name of Sodium Bicarbonate, commonly used in our kitchens?

Baking Soda

12. Wolfram is the older name of which element?

Tungsten

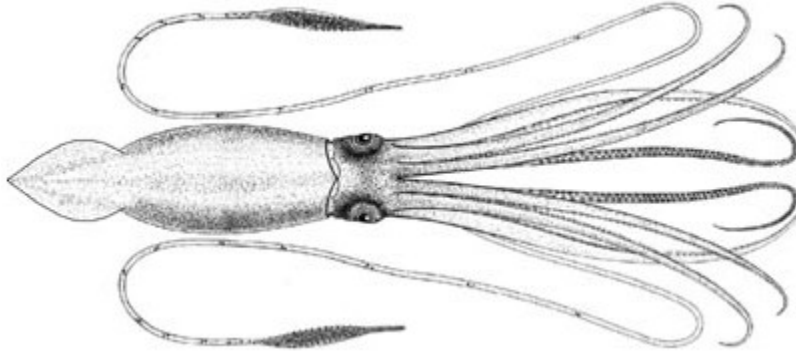
13. What is the term given to a person who thinks that he / she is suffering from a serious illness?

Hypochondriac

14. In biology, it refers to the whole hereditary information of an organism encoded in the DNA and derives its name from the combination of the words gene and chromosome. What?

Genomes

15. Which creature?



Giant Squid

16. Connect – Magnetite, Hematite, Limonite, and Siderite.
All Iron Ores

17. What was originally defined as – "the mass of one litre of pure water at standard atmospheric pressure and at the temperature at which water has its maximum density (277.13 K, 3.98 °C)"?
A Kilogram

18. A sitter. This is the logo of?



Wikipedia

19. Connect these elements: Er (68), Tb (65), Yb (70) and Y (39) to a place.
Ytterby (This is the place in Sweden where all these elements were discovered and thus were named after this place)

20. Connect these 2 visuals.



Homi Bhabha. That's Homi J Bhabha; and the building is that of the Bhabha Atomic Research Centre, named after him.

21. Which computer program derives its name from what is depicted in the below photo?



Trojan (The term is derived from the classical myth of the Trojan Horse)

22. This is India's strategic ballistic missile. What is its name?



Agni

23. In the phonetic alphabet, if A stands for Alpha, B for Bravo, C for Charlie and D for Delta, then what does 'E' stand for?

Echo

24. Who wrote the book *The Interpretation of Dreams*?

Sigmund Freud

25. Identify this scientist.



Guglielmo Marconi

26. Named after whom?



Edwin Hubble

27. Gregor Mendel's studies of inheritance were based upon his research for 12 years on which plant?

Pea plant

28. Identify the flower.



Tulip

29. What are the specialized junctions through which cells of the nervous system, *i.e.*, neurons signal to one another and to non-neuronal cells such as muscles or glands?

Synapses

30. This is the inside of what?



A Clock

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