

Iowa State Tossups
Round 9 1999 Deep Bench

1. Its two groups of poems represent the world as it envisioned by what the author called "two contrary states of the human soul." The first group contains "happy songs/Every child may joy to hear," but many incorporate injustice, evil, and suffering. The second group is a terrifying vision of poverty, disease, prostitution, war, and repression epitomized in the ghastly representation of modern London. FTP, name this volume of poetry, whose occasionally paired "contraries" include "Infant Joy" and "Infant Sorrow," and "Lamb" and "Tyger."

Answer: Songs of Innocence and of Experience (by William Blake)

2. It arose in the famous memoir, "Über die Anzahl der Primzahlen unter einer gegebenen Grosse," when the man who stated it was thirty-three. The function zeta of s equal to the sum of one over n to the s, n going from one to infinity, varies continuously with complex values of s, but it's not known where zeta is zero. FTP, give the name mathematics gives to the supposed answer, that zeta is zero for all s of the form "one half plus i v".

Answer: the Reimann hypothesis

3. May 15, 1968, in Charles City, Iowa; April 3, 1974, in Xenia, Ohio; April 26, 1991, in Andover, Kansas; May 27, 1997, in Jarrell, Texas; April 8, 1998, in Pleasant Grove, Alabama; April 16, 1998, in Waynesboro, Tennessee; and May 3, 1999, in Moore, Oklahoma are all times and places that were hit with tornadoes that were awarded, FTP, what ranking on the Fujita scale?

Answer: F5 tornadoes

4. He wrote a play entitled "A Purple Dawn" and the one man show "Where did Vincent Van Gogh." His most notable work, however, is as the voices of several characters on the most popular prime-time animated show of all time. He provides the voices for, among others, the characters Grandpa and Homer. FTP, name this voice actor for "The Simpson's."

Answer: Dan Castellaneta

5. When he died in 1986, the flags in Nepal flew at half-staff. A sherpa from East Nepal, he was renowned for his mountain climbing prowess, and in 1952 he became the first person to get 8600 meters up Mount Everest. FTP, name this man who became even more famous in 1959 when he actually reached the summit with Edmund Hillary.

Answer: Tenzing Norgay

6. A score of more than 1800 indicated that the industry in question is considered "highly concentrated." The score is tabulated by summing the squares of the individual market share percentages of all sellers or buyers, and is the official guideline used by the U.S. federal government to determine whether anti-trust laws are applicable. FTP, name this index of its two eponymous creators.

Answer: Herfindahl-Hirschman Index

7. Born in Pallas, Ireland, in 1730, this author introduced the phrase "goody two-shoes" into English. After the publication of his "Citizen of the World," which purported to be letters from a Chinese traveller, he became friends with the likes of Samuel Johnson. FTP, name the author of "The Vicar of Wakefield" and "She Stoops to Conqueror."

Answer: Oliver Goldsmith

8. This German battleship is often credited with having fired the first shot of World War II. The Land after which the ship is named, however, is better known, both for its dairy production and for its two duchies having been an important cause of a war between Austria and Prussia in 1866. FTP, name the German state with its capital at Kiel.

Answer: Schleswig-Holstein

9. Her origins were so common that her maiden name was Poisson, meaning "fish." It wasn't until after she married and became Mademoiselle d'Etioles that her career really took off, for then she, in spite of a distaste for sex that bordered on frigidity, met at Versailles in 1745 a man dressed as a yew tree, and began a long and intimate relationship with him. FTP, name this famed mistress of Louis XV, also the namesake of a hairstyle.

Answer: Antoinette Poisson d'Etioles, marquise a la duchesse de Pompadour

10. This plant probably originated in Jamaica; most U.S. production is today from Arizona, Texas, California, and Florida. Its trees are usually under twenty feet tall, and have many shiny, dark green leaves. It also has large white flowers, which eventually develop into a globular fruit arranged in characteristic bunches. FTP, what fruit has such types as Ruby Red and scientific name Citrus maxima?

Answer: _grapefruit_

11. Governor of his state in the 1960's, and Secretary of the Navy in the Nixon administration, he was one of quite literally a dying breed of moderate northern Republicans in Congress. He was a champion of clean air and water in the Senate where he served for twenty-two years. FTP, name this Senator from Rhode Island who suddenly died of a heart attack on October 25, 1999.

Answer: John _Chaffee_

12. At about 5:30 pm local time on October 27, 1999 gunmen stormed into its parliament, killing the Speaker, Karen Demirchyan, the Prime Minister Vazgen Sargsyan, the Deputy Speaker, the Operative Issues Minister, and Parliament Academician. The gunmen demanded talks with its President, Robert Kocharyan, but as of the writing of this question, no talks have occurred. FTP, in what neighbor of Azerbaijan did these events occur?

Answer: _Armenia_

13. State Secretary Ali Rahman, Minister of Foreign Affairs Alwi Shihab, Minister of Internal Affairs Lieutenant-General Surjadi Soedirja, Defense Minister Juwono Sudarsono, Armed Forces Chief Admiral Widodo Adi Sutjipto, Minister of Social Welfare and Poverty Eradication Hamzah Haz, Minister of Mines and Energy Lieutenant-General Susilo Bambang Yudhoyono, Minister of Religion M. Tolchah Hasan, Politics and Security Minister General Wiranto. FTP, these are some of the cabinet appointments announced on October 26, 1999 by President Abdurrahman Wahid, the president of what Southeast Asian nation?

Answer: _Indonesia_

14. Based on a prototype by the American J. Walter Christie purchased before the war, its revolutionary design combined a medium-velocity 76mm gun, well-sloped armor, a good top speed, and low ground pressure. On the down side, however, it was cramped, and its original model suffered from a low rate of fire due to its two-man turret. Approximately 35,000 of its 1943 model were produced. Late 1943 saw the two-man turret replaced with one that could hold three, and held a more powerful 85mm gun, 29,000 of which were produced. FTP, name this, the most common Soviet tank on the Eastern Front in World War II.

Answer: _T-34_

15. The name's the same: one is an album from the neo-progressive rock band Marillion, recorded under Fish's time as lyricist and singer. The other is the flagship band on Dischord records, the label owned by bandleader Ian MacKaye. Both names are taken from Vietnam-era slang, an acronym whose last two words probably refer to the body bags in which dead soldiers were placed. FTP, what is this neologism, short for "fucked up, got ambushed, zipped in"?

Answer: _fugazi_

16. While going for the rocket launcher on E1M2, a camping llama frags your HPB ass with a lucky pineapple from his niche on the wall caused by a misaligned brush. You respawn near the Red Armor and immediately pick up the Super Nailgun and some Nine Inch Nails and head for the Quad. Ducking into a teleport, you head through the Shambler room to grab a megahealth. Created by id software, who are currently along with 24 other companies under suit by the parents of three children killed in the recent Paducah, KY school shooting, FTP what computer game are you playing?

Answer: _Quake_ I (do not accept _Quake II_)

17. If a vector space is defined as a unital module over a field S , then the elements of S are known by this name. In physics, it is a quantity which is completely specified by a number with appropriate units, thus, unlike a vector, it has only magnitude, and no director. FTP, what is this object, popular examples of which are 0, 1, and pi?

Answer: _scalar_

18. A citizen of a neutral nation, he was little affected by the first World War, and showed little interest in politics. However, he was stirred to partisanship with the Loyalists by the Spanish Civil War. This partisanship was expressed in a mural for the Pavilion of the Spanish Republic at the Paris International Exposition. FTP, who was this cubist painter, whose mural depicted the saturation bombing of the ancient capital of the Basques in northern Spain, Guernica?

Answer: Pablo _Picasso_

19. Its original meaning was narrow and derogatory, referring to a group mid-sixteenth-century painters of Rome and Florence whose self-conscious, artificial style was derived from Raphael and Michelangelo. Later interpretations have recognized it as a special form of a wider movement which placed "inner vision" above the authority of nature and the ancients. FTP, what is this artistic movement, whose painters included Rosso Fiorentino and Parmigianino?

Answer: _mannerism_

20. This system of divination uses pairs of trigrams representing things like heaven, earth, fire, and water, similar to the ones found in the corners of the South Korean flag. Trigrams like these are combined into pairs to form hexagrams, which, when interpreted, form an answer to the diviner's question. This system, said to have been created by a Chinese sage named Fu Hsi approximately 10,000 years ago, is recorded in a book from around 3000 BC. FTP, name this fundamental book of many Oriental religions, whose name translates to "Book of Changes."

Answer: _I Ching_

21. In Lagrange's theorem, for a group G and a subgroup H of G , it is the cardinal number of the set of distinct right (or left) cosets of H in G . It is also the number which, when multiplied by the order of H , gives the order of G . FTP, what is this term, which can also describe certain kinds of lists, or certain kinds of fingers?

Answer: _index_

22. He published a four-volume treatise, from 1819 to 1822, which specified the regular sound correspondences between Sanskrit, Greek, Latin, and the Germanic languages. He also identified some phonological changes which, because they did not occur in Sanskrit, Greek, or Latin, must have occurred early in the history of the Germanic languages. FTP, who is this German linguist, whose eponymous law of phonetics is _not_ about Hansel and Gretel?

Answer: Jakob _Grimm_

23. He is second in career wins with 416 of them. He threw 3,508 strikeouts during his career, a major league record that was not broken until Nolan Ryan surpassed it in 1983. He still holds the major league record for shutouts, throwing 110 during his career. FTP, name the "Big Train" who led the Washington Senators to the World Series crown in 1924, the same year he was named AL MVP.

Answer: Walter _Johnson_

If you have heard the audio tossup, stop. If you have not heard it, read #24.

24. The title character of this book is about to leave home after 12 years in a foreign city, but is stopped by a group of the city's inhabitants who ask him to explain to them the mysteries of life, which he does in the form of 26 poetic essays. FTP, identify this 1923 mystical bestseller by the Lebanese poet Kahil Gibran.

Answer: The Prophet