

1998 Deep Bench Tournament
Carleton College—Tossups Only

1. Born in White Oak, Georgia, this son of an itinerant minister attended the University of Virginia before serving as a war correspondent in Russia during World War II. Some of this author's later works include the novel Claudelle English and the documentary You Have Seen Their Faces, which included photographs by his wife Margaret Bourke-White. For 10 points—name this novelist famous for portraying life in the Deep South in God's Little Acre and Tobacco Road.

Answer: Erskine Preston Caldwell

2. One of the first, named 66, was produced by condensation of hexa-methyl-di-amine and adipic acid in 1931. They soon found use as substitutes for natural fibers in such applications as parachutes. For 10 points—name this class of polymer, invented by Wallace Carothers at DuPont, whose members resemble silk, allowing for their use in stockings.

Answer: nylons

3. It denies the existence of a priori knowledge and relies on the perceptive abilities of the five senses. Exemplified by Locke's idea of "tabula rasa," this theory gained popularity during the sixteenth century in Britain as a contrast to rationalism. For 10 points—identify this school of philosophy, embraced by Berkeley [BARK-lee] and Hume, which emphasizes that knowledge can only be gained through experience.

Answer: empiricism

4. Allison Krause, Jeffrey Glenn Miller, Sandra Lee Scheuer, and William K. Schroeder were identified as the deceased. Miller's father happened to be a linotype operator for the New York Times, the newspaper in which the report of this incident appeared on May 5, 1970. For 10 points—name this event that occurred a day earlier, in which eight students were wounded and four were killed by National Guardsmen.

Answer: Kent State riots

5. Her father was on the 1968 U. S. Olympic volleyball team, and both her older sisters played collegiate volleyball. She, however, has enjoyed success in another sport, netting a gold medal at the 1996 Olympics. For 10 points—name this tennis star, the winner of the 1998 U. S. Open, who was ranked at number one for the first time on October 12.

Answer: Lindsay Davenport

6. It will work as long as f of x is continuous and differentiable, but if f' of x equals zero in the neighborhood of the desired root, it will give divergent answers. Using the equation $x^n - 1 = x^n - 1$ equals x^n times the derivative of the function in question divided by the original function, this method is based on making a reasonable guess at the value of the x intercept. For 10 points—identify this numerical approach to approximating the roots of a function.

Answer: Newton's method

7. It rises in the Altai Mountains and flows northwest to its eponymous gulf. In conjunction with the Irtysh, it composes a 17,000-mile system of navigable waterways. For 10 points—name this river formed by the union of the Biya and Katun, the world's sixth-longest river, the longest in Russia.

Answer: Ob River

8. This piece consists of three suites, a horn suite in F, a flute suite in G, and a trumpet suite D, and it contains 21 separate movements. Because it was well-liked by the composer's sponsor, it was performed three times on the night of July 17, 1717, as King George traveled from Whitehall to Chelsea on the river Thames. For 10 points—identify this composition of Georg Frideric Handel.

Answer: Water Music or Wassermusik

9. The representative in Parliament for the Caernarvon Boroughs for 55 years, this man first rose to prominence as president of the Board of Trade in 1905. Later, he began to cut a wider swath as Chancellor of the Exchequer, where he passed the National Insurance Act. He is perhaps best known, however, for his attempts at moderation at the Versailles peace conference, where, as Prime Minister, he represented British interests. For 10 points—name this Welsh lion.

Answer: David Lloyd George

10. This Austrian physician, educated at Vienna University, coined the phrase "animal magnetism," believing it to exercise incredible power over the human body. In 1785 the French government reviewed his treatment of neurotic patients, often with iron magnets, and found his methods questionable. FTP—for whom was a synonym of hypnotism coined?

Answer: Franz Friedrich Anton MESMER

11. Before the days of Melrose Place, this show anchored the original Fox Monday night lineup. Before the days of Beverly Hills, 90210, this show had adults portraying teenagers. Actually, they were adults portraying adults who looked young enough to pass as such. For 10 points—name this show about undercover cops which ran from 1987 to 1990 and starred Holly Robinson and Johnny Depp.

Answer: 21 Jump Street

12. There have been two English translations of this work, the first by Arthur Waley in 1935. No copy in the original language exists before 200 years after it was supposedly written, which has led to debate over the possibility of multiple authors. For 10 points—name this lengthy prose novel telling the story of court life and the adventures of a Japanese prince, attributed to Lady Murasaki Shikibu.

Answer: The Tale of Genji or Genji Monogatari

13. Under the Tariff Act of 1930, this Secretary of the Treasury relaxed obscenity laws regarding the importation of foreign literature. Pretty progressive for a dead Republican. He greatly underestimated the depths of the Depression and was among those predicting imminent recovery. Of course his personal wealth survived the times pretty well. His art collection helped start the National Gallery of Art. FTP, who is this man who has a university in Pittsburgh named for him in part?

Answer: Andrew Mellon

14. Its operation is based on the fact that the period of the motion of a charged particle in a magnetic field is not dependent on the particle's velocity. Particles move in two semicircular metal containers between which is maintained a potential difference. Each particle is accelerated across a gap by an electrical field, thereby gaining kinetic energy and moving in progressively larger orbits. For ten points—identify this type of particle accelerator invented by Livingston and Lawrence.

Answer: cyclotron

15. When calcite in the internal structure of this rock is replaced by dolomite it forms dolostone. Its stratigraphic symbol looks like the outline of a brick wall. It can come from either lithified fragments of marine organisms, in which case it can be termed coquina, or from chemical precipitation in a deep sea environment. For 10 points—name sedimentary rock commonly associated with cave and sinkhole formation and with its metamorphic counterpart marble.

Answer: limestone

16. In England, the monarchy was upset by this group's refusal to bow or remove their hats before royalty and by their use of the informal personal pronouns. In Massachusetts, they were condemned for their belief that there was the light of God in everyone and thus preachers were not needed to translate God's will. For 10 points—name this group founded by George Fox that eventually found a safe haven in the colony of Pennsylvania.

Answer: Religious Society of Friends (accept Quakers)

17. Born in Cody, Wyoming, this man worked in the Easel section of the Federal Art Project in the late 1930's. Some of his creations from this time, including "Going West," resembled the works of his teacher Thomas Hart Benton. Along with his wife, Lee Krasner, he became a fixture in the Abstract Expressionist movement, where he developed the drip technique. For 10 points—name this modern artist, one of Clement Greenberg's "action painters."

Answer: Jackson Pollack

18. He became the youngest person in parliament when he stood in his late father's district as a 26-year-old postgraduate student. He held the seat for decades, and in 1993 was hand-picked by senior Liberal Democratic Party officials to become the party's secretary-general, a key post controlling election campaigns and party funds. Four years later, he received the Foreign Ministry portfolio in Ryutaro Hashimoto's cabinet. For 10 points—name this man who became prime minister of Japan following the fall of Hashimoto's government.

Answer: Keizo Obuchi

19. One work of autobiography would be enough for most authors, but not for this writer, who has penned four autobiographical volumes. The first one, arguably her most famous work, made her the first African-American woman to crack the bestseller list. FTP, name this author of *Wouldn't Take Nothing for My Journey Now*, as well as the 1970 masterpiece *I Know Why the Caged Bird Sings*.

Answer: Maya Angelou

20. It is the only state that contains two Federal Reserve Banks, and Interstate Highways 70 and 35 meet within its boundaries. Tourist attractions include the Precious Moments Chapel, Jesse James' birthplace and Six Flags over Mid-America. For 10 points—identify this state that was admitted to the Union opposite Maine in a compromise of 1820.

Answer: Missouri

21. Founded in 1963, this group consisting of Paddy Moloney, Martin Fay, Sean Potts, Michael Tubridy, Sean Kane, Derek Bell, Kevin Conneff and Matt Molloy has received an Oscar for their work on the film Barry Lynden and a Grammy for their work with Van Morrison on a version of "Have I Told You Lately That I Love You?" For 10 points—name these "Irish Musical Ambassadors," whose distinctive Celtic music can be heard on albums such as The Long Black Veil.

Answer: The Chieftains

22. Flood the heat-fixed smear with crystal violet for one minute. Expose to an iodine solution for 10 minutes. Briefly decolorize with alcohol, and counterstain with safranin. After this process, the cells whose cell walls consist chiefly of peptidoglycan will be purple, while the negative cells appear pinkish-red. For 10 points—identify this test used to classify bacteria on the basis of their cell walls.

Answer: Gram stain/test

23. This sole survivor of seven children entered Oxford's Magdalen College at the age of 15. While there, he read theology in his spare time, which led him to convert to Roman Catholicism, thereby disqualifying him from

public office. He was sent into exile by his father, during which time he mingled with Voltaire, Diderot, and Boswell. It was on a trip to Rome, however, that he was inspired to write his masterpiece. For 10 points—who was this man, so enthralled with that city that he took twelve years to write The Decline and Fall of the Roman Empire?

Answer: Edward Gibbon (not Gibbons)

24. He taught at Lausanne from 1937 to 1951 and at the Sorbonne from 1952 to 1962 before travelling the lecture circuit in Europe and the United States. Despite the fact that the word “enfant” [on-FAHNT] appears in many of his works, he never considered himself a child psychologist. For 10 points—name this Switzerland native, best known for his four stages of child development.

Answer: Jean [ZHAHN] Piaget

25. His first recorded act in the Ulster Annals was to avenge his brother’s death. He became the High-King of Ireland in 1004, and at the time of his death in the famous Battle of Clontarf on Good Friday, 1014, his vision of creating a united Ireland was nearly complete. For 10 points—who is this uniter of Ireland, who might be better known today for Disney’s incarnation of him as king of the leprechauns in Darby O’Gill and the Little People?

Answer: Brian Boru or King Brian