Tossups by Berkeley

1. He wrote a philosophical treatise on education, partially based on his experiences as the councillor for archduke Charles of Burgundy, who later became Charles V. His foes accused him of inspiring Martin Luther and the Protestant Reformation with his humanistic theology and his friends included Thomas More. FTP, who is this author of In Praise of Folly?
Answer: Desiderius _Erasmus_ (or Gerhard _Gerhards_)

2. In 1971, this leader of Vietnam Veterans Against the War testified before the Senate Foreign Relations Committee about war crimes committed by American soldiers. In 1984, he became a member of the Senate himself, where he is now known as an outspoken critic of the CIA and its relationship with drug traffickers. FTP, identify this junior senator from Massachusetts.
Answer: John _Kerry_

3. Before Rudolph Virchow discovered that cells are created by mitosis, this organelle was thought to be the first body created in the formation of a new cell. Uncharacteristically large in cancer cells, it disappears during prophase, and its chief function is the synthesis of ribosomal RNA. FTP, name this dense, spherical organelle located in the nucleus.
Answer: _Nucleolus_

4. These date back in England to the 12th century, but they only gained major political importance around 1800, due to the Napoleonic Wars and population growth. Reinstated in 1902, they caused food riots in 1795 and were sharply criticized by Richard Cobden for benefitting landlords at the expense of the middle and working classes, which convinced Prime Minister Robert Peal to repeal them in 1846. FTP, name these regulations governing the import and export of grain.
Answer: _Corn Law_s

5. This theory first appeared in Aristotle's Politics, but it also appeared in the writings of Adam Smith and David Ricardo, before it was finally superseded in 1899 by the marginal productivity theory of distibution. In Marxist theory, it is typically used to explain the relationship between the exchange value of a commodity and the labor-power expended in the making of that commodity. FTP, identify this theory that states that relative prices are proportional to relative labor costs.
Answer: The _Labor Theory of Value_

6. It is an archipelago with nine major islands, including Terceira, Flores, and Formigas. Its former capital, Vila Franca do Campo, was buried in a volcanic eruption in 1522. Its current capital is on the island of Sao Miguel at Ponta Delgada. FTP, name these islands in the North Atlantic Ocean controlled by Portugal.
Answer: The _Azores_

7. This mathematical technique, developed by the Greeks, is based on the fact that any number can be made arbitrarily small by halving it sufficiently many times. It avoided the use of "fixed infinitesimals" and "horn angles" used by previous mathematicians, and was used to find formulae for the volumes of spheres and cylinders and for the area of the circle. FTP, name this precursor

to integral calculus invented by Eudoxus and most famously used by Archimedes to find the area under a parabola.
Answer: Method of _Exhaustion_

8. He was executed by strangulation instead of burning as a reward for his conversion by friar Vicente de Valverde. Just a year earlier, he had won a devastating war against his older brother Huáscar to take over the southern part of his empire, unifying the empire for the first time since 1527. FTP, name this son of Huayna Capac who ruled out of Quito and later Cuzco before being captured by Francisco Pizarro.
Answer: _Atahualpa_

9. He was born in Cuba in 1923 and wrote his first novel based on his experiences in the Italian Resistance during World War II. Later in his career, he joined forces with Georges Perec in the Workshop for Potential Literature to promote linguistically playful experimental fiction. His most famous book consists of the first chapters to a set of imaginary novels, intertwined with a tale about the reader's futile efforts to find the missing pages of the book he's reading. FTP, who is this author of Cosmicomics, Invisible Cities, and If On A Winter's Night a Traveler?
Answer: Italo _Calvino_

10. The proof of its general form uses the Schwarz inequality and the properties of Hermitian operators to relate the commutator of two operators to the product of the standard deviations of the quantities they represent. Hideki Yukawa predicted the existence of mesons using its "energy-time" form 8 years after its original 1927 formulation. FTP, name this principle that limits the simultaneous measurement of position and momentum, formulated by Werner Heisenberg.
Answer: Heisenberg _Uncertainty Principle_ (accept "generalized uncertainty principle")

11. This term can refer to a group of military leaders who, during the reigns of Roman emperors Valerian and Gallienus, attempted to make themselves independent princes. More famously, the term refers to a group imposed by Lysander that tried to force Socrates to arrest Leon of Salamis after coming to power in 404 B.C.. FTP, name this oligarchy of two-and-a-half dozen that ruled Athens after the Peloponnesian War.
Answer: The _Thirty Tyrants_

12. It was inspired by interviews with two French soldiers, Savigny and Corréard, who survived a tragic incident in which over 100 of their fellow soldiers died of starvation after being abandoned at sea. The painter first exhibited it at the Paris Salon of 1819 under the generic title "Scene of a Shipwreck," but its more common title refers to the French military vessel involved in the incident. FTP, name this painting by Theodore Gericault.
Answer: The _Raft of the Medusa_ (accept French title or _Scene of a Shipwreck_ on early buzz)

13. Formed in 1966 as a splinter group from Holden Roberto's UPA, this group has been fighting for power since losing its country's 1992 elections and held peace talks with the ruling party in Lusaka, Zambia. It has controlled some diamond-rich areas in the east and derives much support from the Ovimbundu tribe, having been previously by supported by China, South Africa, and the

U.S. against the Marxist MPLA. FTP, name this opposition movement headed by Jonas Savimbi in Angola.
Answer: _U_nião _N_acional para a _I_ndependência _T_otal de _A_ngola (_UNITA_; accept "National Union forthe Total Independence of Angola")

14. Bounded to the north by the Izogog Swamps, this 280,000 square mile region is traversed by very few roads and only two rivers, including the Teuco, and its name means "Hunting Land" in Quechua. Its few indigenous groups include the Guaicurú, Mataco, and Tupí, and it is mostly drained by trubitaries of the Paraná and Paraguay Rivers. FTP, name this enormous alluvial plain, the focus of a 1930s war between Paraguay and Bolivia, that lies mostly in Argentina. Answer:
Answer: _Gran Chaco_

15. Having trained as a teacher at the Toronto Normal School, she married a Tennessee iron-moulder in 1861, only to lose him and their four children in an 1867 yellow-fever epidemic, leaving her a widow until her death 63 years later. After losing her dressmaking shop in the great Chicago fire, she aided Mexican rebels, got arrested at Homestead, and helped to found the Wobblies. FTP, name this labor leader and namesake of a left-leaning magazine.
Answer: Mary Harris "Mother" _Jones_

16. This substance, used by Pueblo Indians to make adobe bricks, is usually covered with fertile soil, and it contains 60 to 70 percent quartz. Covering about one tenth of the Earth's land surface, it is thought by some to have originated from till deposited by glaciers in the Pleistocene, and it has formed bluffs as high as 150 meters in China. FTP, name this unstratified yellowish brown material deposited by wind and found on the plains of the Rhine and the Mississippi.
Answer: _Loess_

17. It was developed in the 1920s based on research that compared the grammatical structure of the Hopi language to English. According to this theory, the structure of a language determines the categories of thought that a speaker of that language has available to understand the world around him. FTP, identify this linguistic hypothesis named after the two American anthropologists who developed it.
Answer: _Sapir-Whorf_ hypothesis

18. During World War II, he simultaneouslyserved as both the administrator of the United States Office of War Information and as Librarian of Congress. During his long literary career, he won three Pulitzer prizes: in 1932 for a history of Spanish conquistadors; in 1952 for his poetry; and in 1957 for a Broadway play based on the Biblical story of Job. FTP, name this poet who proclaimed that "A poem should not mean. But be." in his classic Ars Poetica.
Answer: Archibald _Macleish_

19. James was a historian who won the 1922 Pulitzer Prize for his book, The Founding of New England. Roger was a pioneer in stereochemistry who also discovered the chemical components of marijuana. Evangeline was a famous astrologer popular among New York socialites in the 1920s. Charles was an ambassador who prevented Great Britain from interfering with the Civil War. Samuel was a Revolutionary War patriot who served as governor of Massachusetts from

1793 to 1797. FTP, what is the family name that these people all share with two presidents of the United States?
Answer: _Adams_

20. According to the Iliad, he is the son of Nyx and the twin brother of Hypnos. Sisyphus put him in chains so that the dead could not reach the underworld, but he was released when Hades intervened. FTP, name this personification of death juxtaposed by Sigmund Freud with the god Eros.
Answer: _Thanatos_

21. The PBS television show Newton's Apple borrowed its theme music from a song on this group's second album. A recent issue of Spin magazine argued that this group was more influential than the Beatles, because they influenced the development of technopop and were heavily sampled in early rap songs, most notably Afrika Bambataa's "Planet Rock." FTP, name this German electronic music group whose name means "power station" in English.
Answer: _Kraftwerk_

22. This NFL quarterback has had quick kicks of 80 and 91 yards and served as a punter early last season in place of the injured Mitch Berger, because of his experience as a punter in college at UNLV. Although his 1988 and 1990 seasons made him one of only two players to win the Bert Bell player of the year award twice, his career appeared to be over when he did not play in 1996. FTP, name this all-time leading rusher among quarterbacks who has been important in the success of this year's Minnesota Vikings.
Answer: Randall _Cunningham_

23. The main character of this book commits suicide in New Orleans by drowning, after the dissolution of her extramarital affair with Robert Lebrun. Other characters in this book include Madame Ratignolle, Mademoiselle Reisz, and Mr. Pontellier. FTP, identify this 1899 novel by Kate Chopin.
Answer: The _Awakening_

Bonuses by Berkeley

1. Identify the following Nobel Prize winners in economics for 10 pts. each.
a) This economist won a 1992 Nobel Prize for his pioneering work in microeconomics, especially for his research on the role of economic decision-making in influencing family life.

b) This Nobel Prize-winning economic historian attracted controversy for using economic models to understand the 19th century slave trade in his book Time on the Cross.

c) This Swedish economist, who shared a Nobel Prize with Friedrich von Hayek, is better known for his writings on social policy than for his earlier work on monetary theory.

a) Gary _Becker_; b) Robert _Fogel_; c) Gunnar _Myrdal_

2.Shakespeare's Hamlet features seven deaths in addition to the death of its title character. For 30 pts, 5 pts. each after the first one, name all seven of the supporting characters who died in Hamlet.
King

Claudius, _Polonius_, _Laertes_, Queen _Gertrude_, _Ophelia_, _Rosencrantz_, and _Guildenstern_

3. Identify the following laws governing chemical solutions from their statements, FTPE:
a) The weight of the gas dissolved by a liquid is proportional to the pressure of the gas on the liquid.
b) If two different salts both release the same ion when put in solution, then the solubility of either salt in a solution containing both salts will be lower than the solubility of the salt by itself.
c) At constant temperature, the partial pressure of a solvent vapor is proportional to the mole fraction of the solvent in the solution.

Answers: a) _Henry's_ Law;
b) _Common Ion_ effect;
c) _Raoult's_ Law

4. Identify the biologists associated with the following experiments related to DNA, 5 pts. per answer. There will be two answers per part.
a) In the so-called "blender" experiment, done in 1952, they discovered that when a bacteriophage infects a host cell, DNA is the principal component that enters the host cell, indicating that DNA and not protein functions as genetic material.
 b) In 1957, by culturing bacteria in two nutrients containing different isotopes of nitrogen, they discovered that DNA replication is semi-conservative, so that after cell division each daughter cell receives one full strand of DNA from the mother cell.

c) The genes used by E. Coli to synthesize lactase are discovered to contain both a group of structural genes and a promoter gene. This led the scientists to propose the operon theory, for which they won the 1965 Nobel Prize.

Answers: a) Alfred Day _Hershey_; Martha _Chase_;
b)Matthew _Meselson_; Franklin _Stahl_;
c) François _Jacob_; Jacques _Monod_

5. Many famous pieces of legislation are the result of a collaboration between two Senators or Congressmen. Identify the legislation based on the clues provided for 10 pts. each. Please note that all answers require you to provide the last names of exactly two Senators or Congressmen.
a) This legislation written by two Senators from Massachusetts and Kansas prohibits insurance plans and HMO's from denying coverage to high-risk patients.
b) This campaign finance reform bill, written by Senators from Wisconsin and Arizona, would prohibit Congressional and Senate candidates from accepting "soft money" from national party committees, but it has not passed yet.
c) This 1948 law, co-written by a Senator from Ohio, severely weakened the political power of the labor movement by outlawing sympathy strikes, supportive boycotts, and wildcat picketing. President Clinton refused to invoke the provisions of this act during the recent UPS strike.

Answers: a)_Kennedy-Kassebaum_ Bill or the _Kassebaum-Kennedy_ Bill;
b)_McCain-Feingold_ Bill or _Feingold-McCain_ Bill;
c) _Taft-Hartley_ Act

6. Identify the following musical instruments for 15 pts. each:
a) This medieval English instrument is the ancestor to the modern trombone. It can often be heard in recordings of Renaissance music.
b) This Asian musical instrument typically consists of a curved wooden board with 13 silk strings typically plucked with plectrums attached to the fingers of the right hand. It is sometimes called the Japanese zither.

Answers: a) _Sackbut_;
b) _Koto_

7. Identify the following Jewish holidays, FTPE:
a) The holiday commemorating the survival of the 5th Century BC Jews who, according to a story in the book of Esther, had been marked for death by their Persian rulers.
b) The double thanksgiving festival that begins five days after Yom Kippur.
c) Also called Pentecost, it is customary during this festival, which occurs 50 days after Passover, to read both the Torah and the book of Ruth..

Answers: a) _Purim_;

b)_Sukkoth_ (accept "Sukkot," "Succos," etc.)
c) Hag _Shavuot_ (or _Shabuoth_)

8. Answer the following related questions in mathematics for the stated number of pts.:
a) FFP, give the term for a number that is a root of a polynomial equation with integer coefficients.
b) FFP, give the term for any number that is not algebraic. Examples include e and pi.
c) FTP, name the mathematician who, in 1844, constructed the first known transcendental number, thus proving their existence. He is also known for his work with Charles Sturm on boundary-value problems for certain ordinary differential equations.
d) The fact that pi is transcendental, proven in 1882, proved the impossibility of the last of the three famous geometrical construction problems that the ancient Greeks had failed to solve. FTP, name this unsolvable problem.

Answers: a) _Algebraic_ number;
          b) _Transcendental_ number;
          c) Joseph _Liouville_;
          d) _Squaring_ the _Circle_ (accept equivalents, including "quadrature of the circle.")

9. Identify the following former states of Europe, FTPE:
a) The region, now part of southeastern France and Northern Italy, whose capital was Turin. Its house was founded by Humbert I, ruled over Italy from 1861-1946, and produced a famous field marshal in the 17th century named Eugene.
b) The autonomous community of northern Spain with capital at Pamplona, annexed to Castile and Aragon in 1515, which was the birthplace of Henry IV of France and has been ruled by seven kings named Sancho.
c) The region, now in Germany, which had bordered on Bavaria and Baden and had its capital at Stuttgart before being incorporated into the German Empire.

Answers: a) _Savoy_ (_Savoie_);
          b) _Navarre_ (_Navarra_);
          c) _Wurttemburg_

10. Identify the following anthropologists from the descriptions provided FTPE:
a) He examined the role of sexuality and magic in the lives of the Trobriand Islanders of Melanesia. His books include Argonauts of the Western Pacific and Sex and Repression in Savage Society.
b) He started his anthropological career doing fieldwork with the Kabyle (kah-BEE-lay) tribe in Algeria. Based on his fieldwork, he invented the anthropological concepts, "habitus" and "symbolic violence."

c) This anthropologist promoted the doctrine of cultural relativism, disproved pseudoscientific arguments for racism and eugenics, and trained Margaret Mead. For these achievements, he is considered "the father of American anthropology."

Answers: a) Bronislaw Kaspar _Malinowski_;
        b) Pierre _Bourdieu_;
        c) Franz _Boas_ (bo-AZZ)

11. Answer the following questions about Don Quixote for 10 pts. each:
a) What was the name of Don Quixote's horse?
b) What is the name that Don Quixote gives to the woman he loves?
c) Don Quixote misidentifies a barber's basin as the golden helmet of what mythical giant?

Answers: a) _Rocinante_;
        b) _Dulcinea_;
        c) _Mambrino_

12. Identify the winners of the World Series in the following years, FTP each, or for five if you need members of the team: (Note to moderator: Either the city or the team name is sufficient.)
a) 10: 1984
5: Lou Whitaker, Kirk Gibson
b) 10: 1974
5: Rollie Fingers, SalBando
c) 10: 1924
5: Walter Johnson, Goose Goslin

Answers: a) Detroit Tigers;
        b) Oakland Athletics;
        c) Washington Senators

13. Identify the following rulers of ancient China, FTPE:
a) The creator of the first unified Chinese empire, who was the first and only major emperor of the Ch'in Dynasty, best known for the terra cotta army at his tomb.
b) The first ruler of the Han Dynasty, who seized power after the fall of Shih Huang-ti's successors. .
c) Kao-tsu's wife, who after Kao-tsu's death, served as regent for her son and had the authority of an empress, making her the first female ruler of China.

Answers: a) _Shih_ Huang-ti (_Shi_ Huangdi, or Chao _Cheng_);
        b) _Kao-Tsu_ (_Gao Zu_, or _Liu_ Pang, or _Liu_ Chi);
        c) _Kao-Hou_ (_Lu-Hou_, or _Lu-Shih_, or _Lu O-Hsu_)

14. Answer the following about the Pony Express, FSNOP:
a) FFP, name any year during which it operated.
b) FFP for one and 15 pts. for both, name the endpoints of the Pony Express.
c) FTP, identify any of the three partners in the firm which created it.

Answer: a) 1860 or 1861;
      b) _St. Joseph_, Missouri; _Sacramento_, California;
      c) William H. _Russell_ or Alexander _Majors_ or William B. _Waddell_

15. Identify the second highest mountains in the following places, FSNOP:
a) FFP, Asia
b) FFP, the continental United States
c) FTP, Africa
d) FTP, South America

Answers: a) _K2_ (or Mount _Godwin Austen_ or _Dapsang_ or _Chogori_)
      b) Mount _Elbert_;
      c) Mount _Kenya_ (or _Kirinyaga_)
      d) Mount _Ojos del Salado_

16. Identify the main character of the following American novels for 10 pts. each:
a) Slaughterhouse Five by Kurt Vonnegut
b) Gravity's Rainbow by Thomas Pynchon
c) Wise Blood by Flannery O'Connor

Answers: a) Billy _Pilgrim_;
      b) Tyrone _Slothrop_;
      c) Hazel _Motes_ or "Haze" _Motes_

17. Identify the following medical tests, FTPE:
a) This increasingly popular prenatal screening test is extremely similar to amniocentesis, but unlike amniocentesis can be performed as early as 8-12 weeks into the pregnancy.
b) This technique is useful in the diagnosis of certain degenerative or metabolic disorders. A short-lived radioisotope is injected into or inhaled by the patient and a computer maps the patient's organs using the gamma rays produced by the decay of the radioisotope.
c) This test measures muscular electrical activity using fine needle electrodes inserted into the muscle.

      Answers: a) _C_horionic _V_illus _S_ampling (accept "Villi" for "Villus");
            b) _P_ositron _E_mission _T_omography scan (or PET scan);
            c) _Electromyography_

18. Answer the following about the 14th century leader Mansa Musa for the stated number of points:
a) FFP, name the empire over which he ruled.
b) FFP, name the city to which Mansa Musa, accompanied by a caravan of 60,000 men, made a famous religious journey in 1324.
c) FTP, name the city which served as Mansa Musa's capital.
d) FTP, name the kingdom, which later fluorished under King Askia Muhammad, whose capital at Gao was conquered by one of Mansa Musa's generals.

Answers: a) _Mali_;
        b) _Mecca_;
        c) _Niani_;
        d) _Songhai_

19. For this bonus, I will give you a list of three actors and actresses who appeared together in a film before they became famous. Your job is to name the film they all starred in FTPE.
a) Eric Stoltz, Nicolas Cage, and Jennifer Jason Leigh
b) Ben Affleck, Parker Posey, and Renee Zellweger
c) Shelley Duvall, Christopher Walken, and Sigourney Weaver
Answers: a) _Fast Times at Ridgemont High_;
        b) _Dazed and Confused_;
        c) _Annie Hall_

20. Identify the following short stories by Edgar Allan Poe FTPE:
a) A dwarf exacts revenge on the king and the royal advisors who mistreat him by burning them alive.
b) A painter uses deception to hide his wife's corpse while traveling by boat, but commits suicide by drowning after his wife's coffin is thrown overboard.
c) A woman of royal rank is blackmailed by a cabinet minister. The detective C. Auguste Dupin appears in this short story.
Answers: a) _Hop-Frog_;
        b) The _Oblong Box_;
        c) The _Purloined Letter_

21. Given a national capital, identify the other national capital that is nearest to it, FTPE. For example, if I said, "Kinshasa," you would say, "Brazzaville." If you need the name of the country with that national capital as an additional clue, you only get 5 pts.
a) 10 pt. clue Ljubljana (LYOO-blya-nah);
5 pt. clue Croatia (Note to moderator: You may want to spell "Ljubljana" if you have difficulty pronouncing it.)

b) 10 pt. clue Antananarivo;
5 pt. clue the Comoro Islands

c) 10 pt. clue Hanoi;
5 pt. clue Laos

Answers: a) _Zagreb_;
b) _Moroni_;
c) _Vientiane_