

1. President Franklin Pierce wanted to ensure U.S. possession of the Mesilla Valley near the Rio Grande—the most practicable route for a southern railroad to the Pacific. The United States made an agreement with Mexico, in which it acquired a paltry 30,000 square miles of territory around the Gila River for a handsome sum of \$10 million. Identify this 1853 purchase named for its negotiator.

Answer: Gadsden Purchase

2. “To protect the world from devastation. To unite all peoples within our nation. To denounce the evils of truth and love. To extend our reach to the stars above.” Thus begins the inevitable posturing of three inept thieves whose talents can’t match their hair. FTP give the collective name for the Pokemon snatchers. Jesse, James, and Meowth.

Answer: Team Rocket

3. Also known as a frequency function, functions of this type represent the distribution of a random variable. The sum or integral of such a function over its entire range is always equal to one, since there is a 100% chance that the random variable will fall somewhere within the range of this function. In fact, for any given interval, the area bounded by this curve is precisely equal to the probability that the random variable will fall on the same interval. FTP, name this type of function, commonly abbreviated P.D.F..

Answer: Probability Density Function. [accept PDF before it's said]

4. Born in 1889, he was originally trained as an engineer. From 1912 to 1913 he studied with Bertrand Russell. Later he served in the Austrian Army during World War I, and received his doctorate from Cambridge in 1930. In 1937 he succeeded G.E. Moore in the chair of philosophy. For 10 points, name this Austrian philosopher, who retired in 1947, worked in seclusion until his death in 1951, and was the author of Tractatus Logico-philosophicus.

Answer: Ludwig Josef Johan Wittgenstein.

5. Incarnations of this deity include: Matsya, Kurma, Varaha, Narasimha, Vamana, and Kalkin. Also known as Narayana, this deity is generally depicted with four hands and dark blue skin. Each of his hands bears a different item: a mace, lotus, discus, and conch. His most famous incarnations are Krishna and Buddha. FTP, name this principal Hindu deity, who, along with Brahma and Shiva, makes up the Godhead.

Answer: Vishnu.

6. One of the principal advantages of this ^{programming} approach is that it enables computer programmers to create ^{encapsulated} modules that do not need to be changed when an instance is added. C++, Smalltalk, and Ada95 incorporate its techniques. For 10 points, identify this type of programming that allows inheritance and polymorphism through objects and classes.

Answer: Object Oriented Programming (Accept “OOP”).

7. Created in 1967, this government agency serves as the "court of appeals" for any airman, mechanic, or mariner punished by the FAA or Coast Guard. Currently chaired by Chattanooga's own Jim Hall, it is also charged with investigating major railroad, highway, marine and pipeline accidents, as well as all civil aviation accidents. For 10 points, name this government agency, which recently investigated the Alaska Air Flight 261 crash.

Answer: National Transportation Safety Board or NTSB

8. This opera was first published in 1911, but the composer's final illness prevented him from seeking its production. It was forgotten until the manuscript was rediscovered by Vera Brodsky Lawrence in 1970, and in 1972 was performed for the first time at Atlanta's Morehouse College. For 10 points, identify this American opera composed in 1908 by Scott Joplin.

Answer: Treemonisha.

9. During the reign of Ch'ien Lung, a ruler of this dynasty from 1736-1796, China witnessed its greatest territorial expansion. Gradually, however, it was forced to give way to western influence by opening its ports and granting certain extraterritorial rights. For 10 points, name this long-lasting Chinese dynasty, whose last emperor was removed from power in the Revolution of 1911.

Answer: Ts'in (Qin) or Manchu Dynasty

10. This city lies along the Sunzha River at the foot of the Sunzha Range of the Caucasus. It was founded in 1818 as a fortress. It is still an important oil center. The site of fierce fighting between Russian and separatist forces, for 10 points, what is the capital of Chechnya?

Answer: Grozny

11. His two books are *The Adventures of the Black Girl in Her Search for God* and *The Intelligent Woman's Guide to Socialism and Capitalism*, but he is more famous for his plays, including *Heartbreak House*. For 10 points, name this Irish author of *Saint Joan*, *Mrs. Warren's Profession*, and *Pygmalion*.

Answer: (George) Bernard Shaw

12. He raised cavalry forces later called "Ironsides" which aided the victories at Edgehill in 1642 and Marston Moor in 1644; and he organized the New Model Army, which he led with General Fairfax to victory at Naseby in 1645. Give the name for this Puritan leader of the Parliamentary side in the English Civil war that declared Britain 'the Commonwealth' in 1649 following the execution of Charles I.

Answer: Oliver Cromwell

13. At the end of this play, the title statement comes to fruition. It opens with the two title characters flipping coins and marveling that they are always coming up heads. They meet a mysterious playwright, who appears throughout and possibly represents William Shakespeare. For 10 points, name this Tom Stoppard drama about two minor characters in *Hamlet*.

Answer: Rosencrantz and Guildenstern Are Dead

14. Though the deficiency of this vitamin is not known to cause any human diseases, in a study with infants scientists found that the lack of this vitamin causes convulsions. It functions in the formation and breakdown of amino acids and is involved in the production of serotonin and norepinephrine. For 10 points, what vitamin of the B complex can take on three forms: pyridoxine, pyridoxal, and pyridoxamine?

Answer: vitamin B6 (prompt on "vitamin B")

15. He joined the illegal Communist Party's youth organization in 1933 and was imprisoned by King Carol II's government for political agitation prior to World War II. Upon the death of Gheorghe Gheorghiu-Dej, he assumed power and created a reign of terror through his Securitate, his secret police force, that would last until he was overthrown and executed in December 1989. For 10 points, name this Romanian dictator.

Answer: Nicolae Ceausescu

16. Chloroplasts are photosynthetic organelles found in eukaryotic cells. Within chloroplasts, thylakoids are the flat, disk-like structures which host the reactions of photosynthesis. In living cells, thylakoids are found in stacks. For 10 points, by what scientific name are stacks of thylakoid membranes known?

Answer: Grana.

17. As the bringer of culture, he introduced the calendar and is the patron of the arts and the crafts. Described as light-skinned and bearded, he would return in a certain year. Thus, when Hernán Cortés appeared in 1519, the Aztec king was easily convinced that Cortés was in fact this god, a major deity of the Aztecs, Toltecs, and other Middle American peoples. For 10 points, name this Aztec creator sky-god and wise legislator, known as the feathered serpent.

Answer: Quetzalcoatl

18. In November of 1974, two similar papers were published in Physical Letters Review. Both detailed the results of electron-positron collision experiments, which suggested the existence of a previously unknown particle that produced a very narrow spectrographic peak around 3.1 Giga-electron-volts. For 10 points, name this particle, for which Richter and Ting shared the 1976 Nobel Prize in Physics, and whose name consists, not of a single Greek letter, but of two letters: the first an English character, the second Greek.

Answer: J-Psi Particle

19. After Harvard, he attended New York Law School and was admitted to the bar. He later became an executive of the Hartford Accident and Indemnity Company, but he never revealed his talent as a writer to his business partners. In 1967, 12 years after his death, his only daughter Holly published his last poems in *The Palm at the End of the Mind*. For 10 points, what American poet wrote "Thirteen Ways of Looking at a Blackbird", "Sunday Morning", and "The Emperor of Ice Cream"?

Answer: Wallace Stevens

20. Among those corrupted by him are the actress Sibyl Vane, who commits suicide after he spurns her; and the young chemist Alan Campbell, whom he had been blackmailing. Ironical, then, that at the start of the novel, his old friend Basil Hallward was worried about *him* being corrupted by the influence of the decadent Lord Henry Wotton. FTP, name this title character of an Oscar Wildenovella, who declared that he would give his soul to remain young and unblemished while his age and vices would reveal themselves on Basil's gift to him.

A: _DORIAN GRAY_ (prompt on either part of the name)

21. In ancient Greece, this term applied solely to an inscription on a monument. Later it was associated with short satirical poems. From the 18th century, it has denoted a concise, usually witty or ingenious statement in prose, verse, or speech. For 10 points, identify this term, an example of which is Oscar Wilde's "Experience is the name everyone gives to his mistakes."

Answer: epigram

22. The Jerusalem Post quotes a source stating the recent fighting between this group and Israel was facilitated by a large Iranian shipment of weapons to disrupt the recent Israel-Syria peace talks. For 10 points, name this political group, which has led the fight to end Israeli influence in southern Lebanon, whose name means "Party of God."

Answer: Hezbollah

23. Back in the day, these published announcements informed the community of a forthcoming marriage. They were required by both canon and English common law, and are still used today by the Catholic Church. For 10 points, name these traditional advertisements meant to ensure that the bride and groom were free to be wed.

Answer: Marriage banns

1. Identify the following about the Year 2000 Pulitzer Prize Winners for 10 points apiece:

A. The New York Times said of this fiction winner: "She is a writer of uncommon elegance and poise, and with *Interpreter of Maladies* she has made a precocious debut."

Answer: Jhumpa Lahiri.

B. Stacy Schiff won the biography prize for *Vera*, who was the wife of what Russian author?

Answer: Vladimir Nabokov

C. Who penned the winning collection of poetry, called *Repair*?

Answer: C.K. Williams

2. Given a disease, identify whether its cause is due to a virus, bacterium, or protozoan, for 5 points apiece:

A. Cholera Answer: Bacterium ✓

B. German measles Answer: Virus ✓

C. Diphtheria Answer: Bacterium ✓

D. Rabbit's Fever Answer: Bacterium ✓

E. Malaria Answer: Protozoan ✓

F. Rabies Answer: Virus ✓

3. Given the following work of music, identify its composer.

A. Lucia di Lammermoor Answer: Gaetano Donizetti

B. Sorcerer's Apprentice Answer: Paul Dukas

C. Amahl and the Night Visitor Answer: Gian-Carlo Menotti

4. Answer the following about textiles for the stated number of points:

A. A fabric in which the weft is carried over one and under two or more warp threads creating diagonal pattern.

Answer: Twill.

B. Also called "Chardonnet silk," this is a vegetable fiber produced mechanically from wood pulp.

Answer: Rayon (prompt on cellulose)

C. What sort of fabric is made by pressing fibers together into webs, steaming them under pressure, and pounding?

Answer: Felt

5. The 'Burbs: given a set of smaller surrounding communities, identify the major metropolitan city, for 10 points apiece:

A. Nea Liosia, Peristerion, Zografos, Kallithea, Piraeus, Kaisariani.

Answer: Athens, Greece ✓

B. North Dum-Dum, South Dum-Dum, Howrah, Baranagar, Behala, Madhudaha.

Answer: Calcutta, India

C. Avellaneda, Vicente Lopez, Lanus, San Justo, General San Martin.

Answer: Buenos Aires, Argentina.

6. Given a short list of songs, identify the musical group for 10 points apiece:

A. The Chain, Seven Wonders, Second Hand News

Answer: Fleetwood Mac

B. Living in the Past, Life is a Long Song, Thick as a Brick

Answer: Jethro Tull

C. Trampled Under Foot, Fool in the Rain, Ramble On.

Answer: Led Zeppelin.

7. Identify this diplomat, 30-20-10.

(30) Born in 1941 in New York City, he was the son of Jewish immigrants who fled the Nazis during the 1930s.

(20) In 1977, Jimmy Carter appointed him assistant secretary of state for East Asian and Pacific affairs, making him the youngest person ever to hold an assistant secretary post.

(10) He capped the highest-profile mission of his long diplomatic career by bringing a fragile peace to Bosnia and Herzegovina in 1995.

Answer: Richard Holbrooke.

8. Given a short list of characters from Shakespearean plays, identify the works for 10 points apiece:

A. Oliver de Boys, Ganymede, Rosalind

Answer: As you Like it

B. Berowne, Dumain, Longaville, Holofernes

Answer: Love's Labours Lost

C. Bertram, Parolles, Lafew, Diana

Answer: All's Well that Ends Well

9. Answer the following about the environment for 10 points apiece:

A. What phenomenon caused by sulfur-laden industrial pollutants was identified by Svante Oden in the 1870's?

Answer: acid rain

B. What ship spilled about 34,000 tons of oil near Prince William Sound, Alaska?

Answer: Exxon Valdez.

C. This pesticide did little to wipe out beetles carrying Dutch Elm Disease, but did a number on robins who ingested it.

Answer: DDT.

10. Racial Tolkienism. Given the name of a character from a J.R.R. Tolkien novel, give its race FFPE

A. Elrond

Answer: Elf ✕

B. Aragorn

Answer: Human ✕

C. Gloom

Answer: Dwarf ✕

D. Eowyn

Answer: Human ✕

E. Fangorn

Answer: Ent ✕

F. Meriadoc

Answer: Hobbit

11. You don't have to be a big drinker to know that the answer to each of the following starts with the letters "AA", for 10 points apiece:

A. This city is located close to the point where the borders of The Netherlands, Belgium, and Germany meet.

Answer: Aachen

B. This is the largest river entirely within Switzerland.

Answer: Aare River.

C. A successful architect, designer, and urban planner in his native Finland, he also won international acclaim for his designs.

Answer: Alvar Aalto.

12. British Monarchs— Given a year, name the reigning British monarch for 5 points apiece:

A. 1940

Answer: George VI ✓

B. 1212

Answer: John ✓

C. 1813

Answer: George III ✓

D. 1900

Answer: Victoria ✓

E. 1183

Answer: Henry II ✓

F. 1415

Answer: Henry V

13. Identify which of the apostles fits the given description for the stated number of points:
(5/each) Name the two sons of Zebedee, who were also fishing partners with Peter and Andrew.

Answer: James and John.

(10) He ran up to the chariot of an Ethiopian eunuch and explained the book of Isaiah to him.

Answer: Philip.

(10) He was named to replace Judas Iscariot after the latter hanged himself.

Answer: Matthias.

14. Answer the following about space, the final frontier, for 10 points apiece:

A. What U.S. astronomer first showed in 1929 from an analysis of the red shifts of distant galaxies that the universe is indeed expanding?

Answer: Edwin Hubble

B. Which is further away from Earth--Venus or Mars?

Answer: Mars (35 million vs. 25 million miles)

C. Except for our sun, what is the nearest of the stars that are visible to the naked eye?

Answer: Alpha Centauri.

15. Answer the following about the paranormal for 10 points apiece:

A. Bob Woodward's book "The Choice" describes how Hillary Clinton consorted with this guru in attempts to contact Eleanor Roosevelt.

Answer: Jean Houston.

B. Based on Erich Von Daniken's book, this 1974 movie speculated that aliens came to earth centuries ago to advance man's knowledge.

Answer: Chariots of the Gods?

C. The "Scientific Study of UFOs" report prepared by this University of Colorado physicist for the US Air Force in 1969 said definitively that there is no evidence of UFOs nor is there any need for further UFO studies.

Answer: Edward Condon.

16. Answer the following about landmark Supreme Court cases for 10 points apiece:

A. In a 1978 reverse discrimination case that foreshadowed the vote on Prop. 209, a student by the name of Bakke won admittance to which school?

Answer: University of California (Accept "Berkeley")

B. In 1954, the Court ruled that racial segregation in public schools violated which amendment?

Answer: 14th.

C. In this 1857 case, the right of a black to sue as a citizen was denied.

Answer: Dred Scott vs. Sanford.

17. Given a major world city, identify the river on which it lies, for 10 points apiece:

A. Yakutsk, Russia

Answer: Lena

B. Pisa, Italy

Answer: Arno

C. Gaborone, Botswana

Answer: Limpopo

→ THIS 1896 CASE SET FORTH THE DOCTRINE
OF SEPERATE BUT EQUAL PUBLIC
ACCOMODATIONS
PLESSY V. FERGUSON

18. Identify the following high-tech pioneers, for 10 points apiece:

A. He invented the World Wide Web, defining HTML, HTTP, and URLs

Answer: Tim Berners-Lee

B. He is the technical director of Pixar Animation Studios, the company which made *Toy Story*, the first feature film created entirely by computer animation.

Answer: Bill Reeves

C. He first observed that each new microchip contains roughly twice as much capacity as its predecessor, and each chip is released within 18 months of the previous chip

Answer: Gordon Moore.

19. Identify the following famous Tonys for 10 points apiece:

A. The woman for whom the Tony Awards got their nickname.

Answer: Antoinette Perry

B. The award-winning Louisiana playwright known for his plays that politicize the AIDS crisis.

Answer: Tony Kushner.

C. An American artist known to apply architectural principles to his monumental black steel sculptures.

Answer: Tony Smith

20. Answer the following about mathematicians, for 10 points apiece:

A. What Princeton professor solved Fermat's Last Theorem using the Tatyama-Shimura conjecture?

Answer: Andrew Wiles

B. Who developed the incompleteness theorem that showed no logical system is without flaw?

Answer: Kurt Godel

C. What prize is given to Mathematicians who make significant contributions to the field, and is generally awarded to those under age 40?

Answer: Field's Medal

21. Way down South: Answer the following about Southern things for 10 points apiece:

A. The penning and auction of wild ponies from Chincoteague and Assateague Islands in this state takes place at a festival every July.

Answer: Virginia

B. It's an English-based Creole language developed from descendants from African slaves in coastal South Carolina and Georgia. What's it called?

Answer: Gullah

C. The 55-ft cast iron statue of Vulcan, the Roman god of fire and metal-working, looks down on what Southern city?

Answer: Birmingham, Alabama.

22. Answer the following about math for 10 points apiece:

A. What is the term for a number for which the sum of its positive divisors excluding itself equals the number itself (for example, 6)?

Answer: Perfect number

B. What is the smallest possible 4-digit multiple of 11?

Answer: 1001.

C. If 4 raised to the X power equals 2 raised to the 5th power, then what is X?

Answer: 5/2