

1993 PRINCETON INVITATIONAL

Penn Scratchy Questions, written by Adam Cohen and Pat Matthews

Toss-Ups

1. To astronomers, this quantity is synonymous to distance, to which it is inversely proportional. FTP, what is the apparent displacement of an object caused by the motion of the observer. ANSWER: PARALLAX

2. These powerful neurotransmitters act as natural narcotics for the body. FTP, what are these biochemicals, produced by the body for pain suppression and first isolated by Hughes and Kosterlitz. ANSWER: ENDORPHINS

3. Commissioned in 1086, it was a medieval administrative feat. FTP, name this report of England's property ordered by William I. ANSWER: DOMESDAY BOOK or DOOMSDAY BOOK

4. He wrote Joseph Andrews as a parody of Richardson's Pamela. FTP, name this pioneer of the British novel and author of Tom Jones. ANSWER: Henry FIELDING

5. Contested every two years, it began as a match between British and American golfers. Since 1979, the Americans have faced a European team. FTP, name this men's pro golf showdown. ANSWER: the RYDER CUP

6. In 1993, his term as University of Pennsylvania President ended. FTP, name this man criticized for his role in the "Water Buffalo" scandal and new head of the National Endowment for the Humanities. ANSWER: Francis Sheldon HACKNEY

7. It describes the exploits of the Israelite leaders between the conquest of Palestine and the crowning of Saul. FTP, name this book of the Bible, containing the stories of Gideon, Deborah, and Samson. ANSWER: Book of JUDGES

8. In 1864, Confederate cavalry under Jubal Early nearly entered Washington. As a result, U.S. Grant this general to engage Early and torch Early's base, the Shenandoah Valley. FTP, name this general, who defeated Early at Winchester and Cedar Creek. ANSWER: Philip SHERIDAN

9. The name's the same. A stock character was an acrobatic clown, whose costume had many diamond shaped colored patches, and a popular brand of pulp romance novels. FTP, what's the name. ANSWER: HARLEQUIN

10. A German soldier, he was the narrator of absurdly exaggerated tales. His name has been lent to a disorder in which patients invent diseases for themselves. FTP, name him. ANSWER: Karl Friedrich Hieronymus, Baron von MUNCHHAUSEN

11. A 1962 grad of the Fashion Institute of Technology, he quickly became known for his clothes' understated sophistication. FTP, name this man associated with designer jeans and Obsession perfume. ANSWER: Calvin KLEIN

12. For "X" points, what Roman numeral do you obtain when you multiply "XXIV" by "III".

ANSWER: LXXII (do NOT accept seventy-two)

13. Mongols besieging the Genoese colony of Caffa in 1347 lobbed corpses into the city before quitting the siege. Thus was this disease introduced to Europe. FTP, name this disease that killed one third of Europe's population in the Fourteenth Century. ANSWER: BUBONIC PLAGUE or BLACK DEATH

14. Quirinal, Viminal, Esquiline, Aventine, Caelian, Palatine, and Capitoline are the seven hills comprising the center of, FTP, what city, the capital of Italy.

ANSWER: ROME

15. In 1820, slavery in the Louisiana Purchase lands north of thirty-six degrees latitude was prohibited, and Maine and one other state is admitted. FTP, name this historic deal, named for the other state.

ANSWER: MISSOURI COMPROMISE

16. This British town, fifty-one degrees north latitude and zero longitude is home to the Royal Naval College. It is better known, however, for the Prime Meridian. FTP, name this town.

ANSWER: GREENWICH

17. Trigonometric functions can be expressed as relations of sides and angles in a right triangle. FTP, which trig function is described as the ratio of the hypotenuse to the side adjacent to an angle.

ANSWER: SECANT

18. This American poet married British poet Ted Hughes. Among her collections were The Colossus and the posthumously published Ariel. FTP, name this author of The Bell Jar.

ANSWER: Sylvia PLATH

19. Since first taking possession of Palestine, the Jews have been expelled many times. FTP, what Hebrew word is given to the body of Jews resettled compulsorily or voluntarily outside Palestine.

ANSWER: DIASPORA

20. A body of mass four kilograms is moving at a velocity eight meters per second. FTP, what is this body's kinetic energy. ANSWER: 128 joules ($KE = 0.5 * mass * [velocity \text{ squared}]$)

21. The mayor of our nation's capital, she is facing record homicide rates, and has recently asked for up to three thousand National Guard troops to combat the drug trade. FTP, name her. ANSWER: Pratt KELLY

22. FQTP, name the winner of the 1993 World Series.

ANSWER: TORONTO BLUE JAYS (accept city or team name)

23. He composed piano concertos, orchestral suites, and sonatas, but is best known for his incidental music for Ibsen's Peer Gynt. FTP, name this Norwegian

composer.

ANSWER: Edvard GRIEG

24. The first American woman to win a Nobel Prize, she lived much of her life in China before returning to write *The Patriot* and *Dragon Seed*. FTP, name the author of *The Good Earth*.

ANSWER: Pearl Sydenstricker BUCK

25. John Huss and John Wycliffe were the leaders in this religious movement. FTP, name this heretical Christian group that preached that salvation is obtainable solely by following the Scripture.

ANSWER: LOLLARDS

26. For "N greater than two", there are no numbers such that "A to the N plus B to the N equals C to the N." The proof of this statement has eluded mathematicians until this summer. FTP, name this theorem whose proof could not fit in the margin of this page.

ANSWER: FERMAT'S LAST THEOREM

27. This architect sought a functional interpretation of applied arts, and was known for his bold use of architectural and materials innovations. FTP, name this founder of the Bauhaus school.

ANSWER: Walter GROPIUS

28. Gertrude Morel becomes increasingly disillusioned of her working class husband, so she pours her energies into her son Paul, but tension develops when Paul falls in love and seeks to leave. This, FTP, summarizes what 1913 novel by D. H. Lawrence. ANSWER: SONS AND LOVERS

29. He wrote *Nature and The Conduct of Life*. FTP, name this leader of the Transcendental movement and author of *On Self Reliance*.

ANSWER: Ralph Waldo EMERSON

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Bonuses

30 POINT BONUS

1. FTP each, identify these molecular bonds.

a) This intermolecular attraction is responsible for water's relatively high boiling and freezing points.

ANSWER: HYDROGEN BONDS

b) In this bond, electrons are lost by some atoms and gained by others. The resulting molecule is bound by electrical charge.

ANSWER: IONIC BONDS

c) In this bond, electrons are shared by the atoms in the molecule.

ANSWER: COVALENT BONDS

30 POINT BONUS

2. In 1304, a French cardinal was elected pope. However, he never entered Rome, instead setting up court in, FTP, what French city.

ANSWER: AVIGNON

Now, FTP, what name was given to the seventy-three year period that the popes were in Avignon rather than Rome.

ANSWER: the BABYLONIAN CAPTIVITY

Finally, this saint is credited with convincing Gregory XI to move back to Rome. FTP, name this Dominican nun.

ANSWER: Saint CATHERINE of Sienna

30 POINT BONUS

3. This novel was based on the real-life tale of sailor Alexander Selkirk. FTP apiece, name this book about a shipwrecked sailor, and the former cannibal the title character takes as a servant, and the author of the novel.

ANSWER: Daniel DEFOE, ROBINSON CRUSOE, FRIDAY

25 POINT BONUS

4. Enacted in 1973, this law curbs the President's power as military commander in chief. It requires that Congress give its approval to troop deployment within ninety days of their arrival in order for them to remain deployed. For twenty-five points, name this legislation.

ANSWER: WAR POWERS ACT

30 POINT BONUS

5. 30-20-10, name this statesman.

30) Before entering politics, he became famous as the creator of Vivian Grey and Sybil. 20) As Prime Minister, he represented England at the Congress of Berlin. 10) As head of the Tories, his chief opponent was Liberal Gladstone.

ANSWER: Benjamin DISRAELI (diz-RAY-lee)

20 POINT BONUS

6. Even long-running television series undergo changes. The typing sequences on this show, formerly done on a manual typewriter are now performed on a word processor with laser printer. For twenty points, name this Angela Lansbury series.

ANSWER: MURDER SHE WROTE

30 POINT BONUS

7. In the 1960s, the computer industry in the United States was known as "IBM and the 7 Dwarfs". Two of IBM's seven competitors were RCA and GE, and the other five clustered together under the acronym BUNCH. FTP apiece, name any three of the remaining five .

ANSWER: BURROUGHS, UNIVAC, NCR (National Cash Register), CONTROL DATA, HONEYWELL

30 POINT BONUS

8. He was the first sitting Cabinet member to go to prison. For twenty points, name this Interior Secretary, convicted of jury tampering and bribery in the Teapot Dome oil scandal

ANSWER: Albert FALL

Now, FTP, Fall was Secretary of the Interior under what President.

ANSWER: Warren HARDING

25 POINT BONUS

9. This order of insects exhibits a high degree of social behavior. For twenty-five points, name this order, which includes wasps, bees, and ants, whose adults usually have two pairs of membranous wings.

ANSWER: HYMENOPTERA

20 POINT BONUS

10. FTP apiece name the movie based on a Booth Tarkington novel given its description. 1.The 1935 movie where poor-side-of-town Katharine Hepburn falls in love with well-to-do Fred MacMurray. ANSWER: ALICE ADAMS

2.Orson Welles's second movie about a nineteenth century family that refuses to change with the times.

ANSWER: The MAGNIFICENT AMBERSONS

30 POINT BONUS

11. In Hinduism, it is a universal law applying to all aspects of society as well as individuals. In particular, it can be the specific ethical code for each station in life. For thirty points, what is this law, debated by Arjun and Krishna in the Bhagava d-Gita.

ANSWER: DHARMA (DARR-mah or DAH-mah)

30 POINT BONUS

12. He is the foremost contemporary Irish playwright. After gaining critical acclaim with Aristocrats and Philadelphia, Here I Come, his Dancing at Lughnasa (LOO-nah-sa) have won both Tony and Olivier Awards. For thirty points, name this playwright.

ANSWER: Brian FRIEL

30 POINT BONUS

13. The Sacramento Gold Miners will be the first American team to join the Canadian Football League. For ten points apiece, given a Canadian city, tell me the name of its CFL franchise:

1. Ottawa

ANSWER: ROUGH RIDERS

2. Toronto

ANSWER: ARGONAUTS

3. Winnipeg

ANSWER: BLUE BOMBERS

30 POINT BONUS

14. After the Great Flood, Noah's sons repopulated the earth. FTP each, identify the three sons of Noah. a) He's the ancestor of the people of Asia Minor and the Aegean.

ANSWER: JAPHETH

b) The father of Canaan, he was cursed for seeing Noah naked. ANSWER: HAM

c) The father of the Semitic peoples, he's an ancestor of Abraham.

ANSWER: SHEM

30 POINT BONUS

15. Exhibit your knowledge of museums by telling me, for ten points apiece, in which city the following museums are located:

1. The Frick Collection

ANSWER: NEW YORK City

2. Museum of Fine Arts

ANSWER: BOSTON

3. Walker Art Museum

ANSWER: MINNEAPOLIS

30 POINT BONUS

16. 30-20-10, name this American author from a list of works.

30) Sanctuary

20) As I Lay Dying

10) Light in August

ANSWER: William FAULKNER

30 POINT BONUS

17. 30-20-10, name this composer from a list of works.

30) The tone poems Don Juan and Don Quixote (kee-HO-tee)

20) Music for the operas Salome and Electra

10) The tone poem Also Sprach Zarathustra

ANSWER: Richard STRAUSS

20 POINT BONUS

18. He led the Union Army of the Potomac on the ill-fated Peninsula Campaign of 1862, and after its failure was relieved by John Pope. Despite his removal from command, the Democratic Party made him their 1864 Presidential nominee. For twenty points, name him.

ANSWER: George MCCLELLAN

30 POINT BONUS

19. I'll name a metropolitan area that consists of three cities, and for ten points apiece, tell me which of the three is the most populous.

1. Norfolk-Newport News-Virginia Beach, VA ANS: VIRGINIA BEACH

2. Allentown-Bethlehem-Easton PA ANSWER: ALLENTOWN

3. Tampa-St. Petersburg-Clearwater FL ANSWER: TAMPA

25 POINT BONUS

20. This French physicist determined the amount of force electrically charged particles exert on each other; his "law" describes this force as proportional to the two charges and inversely proportional to the distance between them. For twenty-five points, name this scientist, whose name has been adopted for the unit of electric charge.

ANSWER: Charles COULOMB

25 POINT BONUS

21. John Steinbeck built his reputation as a novelist. However, one of his best books was a travelogue describing a cross-country jaunt in a van, accompanied by a dog. For twenty-five points, name the book.

ANSWER: TRAVELS WITH CHARLIE

20 POINT BONUS

22. It's not a cooking utensil from Greek mythology, but Hermes Pan is best remembered as the choreographer for movie musicals starring this dancing pair. For ten points each, name these stars of Top Hat and Swing Time.

ANSWER: Fred ASTAIRE and Ginger ROGERS

ANSWER:

30 POINT BONUS

23. 30-20-10 name the President.

30) During his administration, the words "Under God" were added to the Pledge of Allegiance. 20) He was president of Columbia University from 1948-1953. 10) As Supreme Commander of the Allied forces, he led the invasion of Normandy.

ANSWER: Dwight David EISENHOWER

30 POINT BONUS

24. A former college professor tells of his coming to terms with his involuntary electro-shock therapy through a motorcycle trip with his son, for which Buddhist thought is really only in the title. FTP each, name the book and its author.

ANSWER: ZEN AND THE ART OF MOTORCYCLE MAINTENANCE by Robert PIRSIG
Now, FTP, what Platonic name did the narrator in Zen and the Art of Motorcycle Maintenance give to his pre-therapy persona.

ANSWER: PHAEDRUS

30 POINT BONUS

25. In nature, four basic forces determine the results of all physical interactions. For five points apiece, name these forces, with a ten point bonus for naming them in from weakest to strongest.

ANSWER: GRAVITY or GRAVITATIONAL FORCE, ELECTROMAGNETISM or ELECTROMAGNETIC FORCE, WEAK nuclear FORCE, STRONG nuclear FORCE

30 POINT BONUS

26. In the election of 1824, a retired general won a plurality of electoral votes, but failed to win a majority. FTP each, name this general, the New Englander elected President by the House of Representatives, and the House Speaker who allegedly threw his support to the New Englander in exchange for a Cabinet position.

ANSWER: Andrew JACKSON, _J_ohn _Q_uincy ADAMS, Henry CLAY

30 POINT BONUS

27. Classical music has its three B's and so does Los Angeles geography. For ten points apiece, name the three LA suburbs collectively known as the 3 B's

ANSWER: BEL AIR, BEVERLY HILLS, BRENTWOOD

30 POINT BONUS

28. 30-20-10 name the President

30) He was the first president to throw out a ceremonial first pitch at a baseball game. 20) Besides JFK, he's the only other president buried in Arlington National Cemetery. 10) As far as we know, he's the only president whose girth warranted installation of a new bathtub in the White House.

A. William Howard "Some Said He Was All Of Ohio" TAFT