

TOSSUPS

T1. Called Pai-Lien chiao, this cult dating from the 13th century promised the return of Buddha and the end of suffering. Imperial favorite Ho-shen aided and abetted them by embezzling funds from the campaign against them, and they continued their guerilla tactics for nine years. FTP, name this society dedicated to the undermining of China's Manchu rulers and the return of the earlier Ming dynasty.

Answer: The WHITE LOTUS Society/Rebellion

T2. Among other factors, this effect depends on Verdet's constant, which is a property of the transmitting medium, its temperature, and the frequency of the light passing through it. First observed in 1845, it only holds good for light waves that have passed through a polarizing filter. The direction of current flow in the wire of the electromagnet is the same as the direction of rotation of the plane of polarization. FTP, what is this effect, named after an assistant to Sir Humphrey Davy?

Answer: FARADAY Effect

T3. When the United States seized Panama in 1903, this poet lashed out with his diatribe "A Roosevelt." Named ambassador to Spain in 1908, he had affinities with the Symbolists of France and Spain's Generacion del 98. He wrote Songs of Life and Hope and Prosas Profanas. FTP, name this "boy poet" of Nicaragua and high priest of Modernismo, born Felix Ruben Garcia Sarmiento.

Answer: Ruben DARIO

T4. Of the various parts of this massive work, only the Novel Constitutions were in Greek, the rest being in Latin. The Institutions, compiled in 533, relied on earlier texts by Gaius, while the Digests or Pandects were assembled by a commission headed by Tribonian, and reflected all the past opinions of authorized courts. FTP, name this great legal work, formally known as the Corpus Juris Civilis, authorized by a famous Byzantine emperor.

Answer: The CODE of JUSTINIAN (accept Corpus Juris Civilis on an early buzz)

T5. This demon is usually ensconced in seven coats of armor, but in tablet 4, he has only one. The guardian of a remote forest of cedar trees, he is therefore familiar to one of the heroes from his days of running wild. They defeat him with a little help from the sun-god Shamash. He begs for his life, and then screams out a curse on Enkidu before he is beheaded. FTP, name this villain of the epic of Gilgamesh.

Answer: HUMBABA (or Humwawa)

T6. By its terms, Russia openly recognized the Confederation of the Rhine and the sovereignty of three brothers as Kings of Naples, Holland, and Westphalia; in secret, it also agreed to an alliance with France against England. In the subordinate treaty of Konigsberg, Prussia was smacked with 120 million francs in indemnities. FTP, name this 1807 settlement, signed on a raft in the Niemen river, between Czar Alexander I, Frederick William III, and Napoleon.

Answer: Treaty of TILSIT

T7. A student of Bunsen, he collaborated with T.H. Huxley in The Glaciers of the Alps and made the first ascent of the Weisshorn. He died in 1893 from chloral poisoning. In between, he investigated the action of radiant heat on gases and vapors, as well as the acoustic properties of the atmosphere, which he suggested followed a colloidal model. FTP, name this Irishman who suggested that colloidal particles of dust and vapor are responsible for the sky's blue color.

Answer: William TYNDALL

T8. The main character of this 1905 novel is in a pickle: Simon Rosedale is rich, but outside her class; Lawrence Seldon is charming, but poor. She herself is in debt and her chaste reputation is ruined. To make matters worse, she still lacks a husband at age 29, and can't choose one now, so she takes sleeping pills and dies. FTP, name this very un-cheerful novel featuring Lily Bart written by Edith Wharton.

Answer: The HOUSE OF MIRTH

T9. He headed the Bolshoi Opera Studio, now named for him. Born with the last names Sergeyevich Alekseyev, in 1902, he co-directed and acted in Gorky's The Lower Depths. In 1897, he and Vladimir Nemirovich-Danchenko had organized the Moscow Art Theatre and produced Chekhov's The Seagull; he served as director from 1898 until his death in 1938. FTP, name this Russian actor, the originator of method acting.

Answer: Konstantin STANISLAVSKY

T10. With the support of Madame de Pompadour, he and Jean de Gournay attracted a group of leading social theorists. He served as consulting physician at Versailles for Louis XV, and emphasized the concept of avances, a stock of wealth needed for production. FTP, name this author of the Tableau Economique, the founder of the physiocrats.

Answer: Francois QUESNAY

T11. Proved by Jakob Bernoulli, a weak version of it uses the convergence defined by Ernst Fischer, while the strong version uses that defined by Friedrich Riesz. The sequence x_n tends to p where the random variables x_n have common mean p -- but this does not mean that after a coin comes up heads three times, it is any more likely to come up tails. FTP, name this fundamental principle of statistics.

Answer: the LAW of LARGE NUMBERS

T12. A brilliant administrator, he used provincial governors to keep his empire under control. He is mentioned in Second Kings and First Chronicles under his Babylonian name, Pulu. In 743 B.C., he defeated the Urartian ruler Sarduri II and his neo-Hittite allies. Originally the governor of Calah, he assumed power in a rebellion against Ashur-nirari V. FTP, name this conqueror whose throne name recalled an earlier king of Assyria.

Answer: TIGLATH-PILESER the THIRD

T13. It features two inventions: a religion of lies "that make you brave and kind and healthy and happy," and a new kind of ice that forms at 114.4 degrees and freezes anything it comes in contact with. The inventors are, respectively, Bokonon and Dr. Felix Hoenikker, and the novel ends with the destruction of the world when the ice freezes the oceans. FTP, name this Kurt Vonnegut novel, narrated by a fellow who tells us to call him Jonah.

Answer: CAT'S CRADLE

T14. His name means "old child," and he was supposedly in his mother's womb for decades, and emerged with a white beard and a cane. Another legend says he was keeper of the Chou dynasty archives, and was persuaded to write his teachings by the gatekeeper of the Great Wall. FTP, name this elder contemporary of Confucius, the author of the Tao te ching.

Answer: LAO TZU

T15. The bedroom suite at Badminton House, Gloucestershire is attributed to him. From the 1760s onward, he followed Robert Adam in abandoning Rococo for the new Neoclassical style, and he maintained showrooms and workshops in St. Martin's Lane from 1753 until the end of his life. Harewood House contains satinwood and inlaid commodes by him. FTP, name this publisher of 1754's Gentleman and Cabinet Maker's Director, with designs of every type of 18th century furniture.

Answer: Thomas CHIPPENDALE

T16. This composer was the son of a French army officer who was taken prisoner during Napoleon's campaign in Russia. In 1878, he became a military science professor and taught Nicholas II, among others. He composed the one-act opera "Feast in the Time of the Plague" and used Heinrich Heine and Maupassant works for his "William Ratcliff" and "Mademoiselle Fifi." FTP, name this member of the so-called "Russian Five," composer of "The Captain's Daughter" and "The Prisoner of the Caucasus."

Answer: Cesar CUI

T17. The cosmetics industry employs this type of chemical reaction in many products, since it yields electrophilic aromatic compounds. The addition of alkyl halide or acyl chloride to a benzene group is catalyzed by the presence of aluminum chloride. FTP, name this type of reaction first discovered in 1877 at the Sorbonne by a Frenchman and an American.

Answer: FRIEDEL-CRAFTS

T18. Shinamura, a rich Tokyo dilettante visits a hot spring in the west of Japan; there, he meets Komako, a geisha who evokes in him a feeling of "irresistible sadness" and decay. The book begins, "In the winter, cold winds blow down from Siberia, pick up moisture over the Japan Sea, and drop it as snow when they strike the mountains." FTP, name this masterpiece of Yasunari Kawabata.

Answer: _SNOW COUNTRY_

T19. In 1828, he resigned his U.S. Senate seat and ran for governor of New York, but within 12 weeks, he gave up his governorship to become Andrew Jackson's secretary of state. While he was in Washington, his interests were looked after in New York by the informal "Albany Regency." During his presidency, the Amistad Mutiny and the Seminole War took place. FTP, name this "Little Magician," who was born and died at Kinderhook.

Answer: Martin _VAN BUREN_

T20. This 1984 Pulitzer-winning novel is a sequel to the same author's 1978 work _Billy Phelan's Greatest Game_. It chronicles the life of the alcoholic ex-baseball player Francis Phelan and his friend Helen. The movie version starred Jack Nicholson and Meryl Streep. FTP, identify this novel set in Albany during the Depression, the masterpiece of William Kennedy.

Answer: _IRONWEED_

T21. In 1913, this man used a spectroscope to examine the Balmer lines of hydrogen in an electric field intensity of 100,000 volts per centimeter. Some lines were linearly polarized parallel to the lines of force, due to this man's eponymous effect, the electric analog of the Zeeman Effect. FTP, name this Nazi physicist, the winner of the 1919 Nobel Prize for Physics.

Answer: Johannes _STARK_ (reluctantly accept the Stark Effect, from fools who don't pay attention to pronouns)

T22. The 1959 edition of this poem was prefaced by a note from William Carlos Williams, the poet's mentor. Its bald mentions of homosexual and heterosexual experiences landed its publisher, Lawrence Ferlinghetti, in court. It begins, "I saw the best minds of my generation destroyed by madness" FTP, name this Beat poem written by Allen Ginsberg.

Answer: _HOWL_

T23. An alliance was formed against this man by the Emperor's wife Eudoxia and Theophilus, the archbishop of Alexandria. In 403, a synod of bishops was convened at The Oak, across the Bosphorus, and indicted this man on frivolous grounds. Exiled to Armenia by the Emperor Arcadius, he was rehabilitated 31 years later when his remains were returned to Constantinople. FTP, name this doctor of the Eastern Church, whose preaching was so eloquent that he was given the Greek nickname "golden-mouthed."

Answer: Saint John _CHRYSOSTOM_

T24. A native of the British isles, in 778 he became the headmaster of the Cathedral School of his hometown. Three years later, he went to Aachen, where he encouraged the liberal arts. Later he left to become abbot of St. Martin at Tours, where his monks worked on the Carolingian minuscule script. He introduced the Irish Northumbrian custom of singing the creed, and revised the liturgy of the Frankish church. FTP, name this Yorkshire native, the leading figure of the Carolingian Renaissance and titular figure of a poem by Charles Brockden Brown.

Answer: _ALCUIN_ of York

T25. Arriving in Rome around 380 AD, he was appalled by the license of Christians there, and along with his collaborator, a lawyer named Celestius, he attacked the doctrine of divine grace. Though he was acquitted of heresy by the Synod of Jerusalem in 415, he then wrote a tract _On Free Will_, which resulted in his excommunication by Innocent I. FTP, name this heretic who claimed that men are basically good, the main opponent of Augustine.

Answer: _PELAGIUS_

1999 Terrapin Invitational Tournament

Questions by Cornell A

BONUSES (All worth 30 points)

B1. Identify these aiders and abettors of the American Revolution who had worse luck in the French Revolution FTP each.

1. Before losing his fortune in the French Revolution, this playwright had shelled out big bucks to help the American colonies fight the British.

Answer: Pierre Augustin Caron de BEAUMARCHAIS

2. In 1779, this French vice-admiral commanded naval forces against the British and captured St. Vincent and the Grenadines. He was later guillotined.

Answer: Charles, Comte D'ESTAING

3. In 1824, this man was voted \$200,000 and a township by Congress, in appreciation of his role at Yorktown.

Answer: Marie Joseph Paul Yves Roch Gilbert du Motier, Marquis de LAFAYETTE (accept du Mautier from the pretentious)

B2. 30-20-10 name the poet.

30) Alexander Pope echoed this writer when he wrote, "I lisped in numbers, for the numbers came." He claimed that whatever he tried to write came out in verse.

20) Book fifteen of his greatest work contains the long discourse of Pythagoras on change. He was born in Sulmo, and claimed to have only seen Vergil, never spoken to him.

10) In 8 AD, he was banished to the Black Sea, possibly for an affair with Julia, the daughter of Augustus, but also perhaps because of his Amores and Art of Love

Answer: Publius OVID ius Naso

B3. Given an opera, name the composer for the stated number of points.

1. For 5 points, Manon Lescaut (1893)

Answer: Giacomo PUCCINI

2. FTP, Manon (1884)

Answer: Jules MASSANET

3. For 5 point, Orfeo (1607)

Answer: Claudio MONTEVERDI

4. FTP, Orfeo ed Eurydice (1762)

Answer: Christophe Willibald GLUCK

B4. Answer the following about the 3 Kelvin cosmic background radiation for the stated number of points.

1. For 5 points each, give the names of the two Bell Labs scientists who discovered the background radiation in 1963 after eliminating pigeon droppings as the cause of the signal.

Answer: Arno PENZIAS and Robert WILSON

2. FTP each, name the two scientists who predicted the existence of the background radiation in 1948, having earlier contributed to the "alpha, beta, gamma" theory of element generation in the early universe.

Answer: Ralph ALPHER and George GAMOW

B5. Name these rich bastards FTP each.

1. This fur trader left \$20 million at his death in 1848, but his greatest legacy is probably a city in Oregon.

Answer: John Jacob ASTOR

2. Known as the "Barnum of Wall Street," this financier was shot by Edward Stokes over a mistress. He was a player in the "Erie War" railroad struggle between Drew and Vanderbilt, as well as the Black Friday panic of 1869.

Answer: James FSK

3. In his will, this man pissed away his fortune establishing a urology program at Johns Hopkins Hospital. He took his nickname from his gaudy taste in jewelry, of which he wore over \$2 million at once.

Answer: "Diamond Jim" BRADY

B6. Answer the following about white men lording it over the Subcontinent FTP each.

1. The British government of India by a governor-general and council was established by this 1774 law.

Answer: The REGULATING ACT

2. The first governor-general, later impeached after his retirement in 1785, was this high-handed official.

Answer: Warren HASTINGS

3. After the 20-month interregnum of John MacPherson, Warren Hastings was succeeded by this military loser, who reformed India's judicial system on the British model.

Answer: Charles, 1st Marquis CORNWALLIS

B7. Name these works of literature FTP each.

1. Subtitled "A Saga of the Prairie," this Ole Rolvaag novel centers on Per Hansa, a hardworking farmer who disappears in a blizzard.

Answer: GIANTS IN THE EARTH

2. Two sisters, Lizzie and Laura, are tempted into eating fruit sold by ugly, wicked creatures in this poem by Christina Rossetti.

Answer: "GOBLIN MARKET"

3. This, Willa Cather's first short-story collection, includes "The Sculptor's Funeral" and "Paul's Case."

Answer: The TROLL GARDEN

B8. Name these ancient and Renaissance Neoplatonists for the stated number of points.

1. This 3rd-century AD Alexandrian studied under Ammonius Saccas and wrote the Enneads. Name him for 5 points.

Answer: PLOTINUS

2. FTP, this pupil and editor of Plotinus is most famous for his vegetarian treatise De Abstinencia.

Answer: PORPHYRY

3. Appointed head of the Platonic Academy of Florence by Cosimo di Medici, he was the father of Renaissance Neoplatonism, merging the doctrines of Plato with those of Christianity. Name him for 15 points.

Answer: Marsilio FICINO

B9. Name these eponymous effects FTP each.

1. The standard volt is a unit based on this effect, which occurs when two superconductors at very low temperature are separated by a narrow gap, causing electrons to tunnel through the gap in quantized amounts.

Answer: JOSEPHSON Effect

2. Scattering of photons by electrons are elastic, i.e., both momentum and energy are conserved. This effect is only significant for incident X-ray and gamma-ray photons.

Answer: COMPTON Effect

3. When a magnetic field is applied to a live conductor, it causes an electric potential gradient transverse to the direction of current flow.

Answer: HALL Effect

B10. Name these mountain passes FTP each.

1. The Spartan King Leonidas defended Attica against the southward advance of Xerxes' army at this famous pass, perishing with over 1400 men in 480 BC.

Answer: THERMOPYLAE

2. It runs from the Shadi Bagiar opening to the barren Lowyah Dakkah plain, and was used by Darius I to march his army to the Indus river, conquering Kabul.

Answer: KHYBER Pass.

3. The Oetztal and Zillertal Alps are separated by this very low pass above Innsbruck.

Answer: The BRENNER Pass

B11. Name these British laws FTP each.

1. The first of these was passed in 1651 under Charles II, forbidding the importation of goods into England except in English vessels, helping the British merchant marine gain supremacy over the Dutch.

Answer: NAVIGATION ACTs

2. Ireland became part of the United Kingdom in 1801 under this law.

Answer: ACT OF UNION

3. A century earlier, the English crown was settled on Sophia of Hanover and her issue by this act of Parliament.

Answer: ACT OF SETTLEMENT

B12. Given a consonant, tell whether it is a stop, a glide, a trill, a tap, a lateral, or a fricative FTP each.

1. The initial "th" in the phrase "thighs of steel."

Answer: FRICATIVE

2. The initial "g" in the word "guttersnipe."

Answer: STOP

3. The double "l" in the name of the character Escamillo (ess-ka-mee-yo) from Carmen.

Answer: GLIDE

B13. Name these characters from Rabelais' _Gargantua and Pantagruel_ FTP each, or 5 if you need the meaning of the character's name.

1. 10 points--The third main character of the story is this student, described as "a quarrelsome fellow, a sharper, a toper, a roisterer, and a profligate . . . though other than that, he was the finest fellow on earth."

5 points--His name is Greek for "all-doer."

Answer: _PANURGE_

2. 10 points--This is Gargantua's father, the king of Utopia, who is frequently quoted by Gargantua in his advice to Pantagruel.

5 points--His name is French for "great gullet."

Answer: _GRANDGOUSIER_

3. 10 points--The companions find this character living with Dame Penie, or poverty. His monstrous gluttony compels the invention of the arts.

5 points--His name is Greek for "stomach."

Answer: Messer _GASTER_

B14. Answer the following about X-ray diffraction FTP each.

1. The equation " $n \text{ times } \lambda = 2d \sin \theta$," where λ is the x-ray wavelength, d the layer separation, and θ the angle of incidence, is named after what man?

Answer: Sir William Lawrence _BRAGG_

2. William L. Bragg succeeded Rutherford as head of the Cavendish Laboratory, where he supported what two men in using X-ray crystal studies to deduce the helical structure of DNA?

Answer: James _WATSON_ and Francis _CRICK_ (must have both)

3. Bragg, Crick, and this third man predicted that the alpha helix structure occurs in hemoglobin. He shared the 1962 Nobel Prize with John Kendrew.

Answer: Max _PERUTZ_

B15. VISUAL BONUS: Given a picture of a famous portrait, name both the subject depicted, and the painter who executed it for 5 points per answer.

Answers: 1. _ERASMUS_ by Hans _HOLBEIN_ the _YOUNGER_

2. _MARTIN LUTHER_ by Lucas _CRANACH_

3. _FRANCIS I_ by Jean _CLOUET_

B16. In 1919, Rome felt the birthing pains that would eventually excrete the turd of Fascism. Answer the following about events of 1919 FTP each.

1. This radical socialist editor of the journal _Avanti_ formed the first Fascio di Combattimento.

Answer: Benito _MUSSOLINI_

2. The town of Fiume was seized for 15 months by this writer of _La Gioconda_ and _Francesca da Rimini_.

Answer: Gabriele _D'ANNUNZIO_

3. 1919 saw the resignation of this Prime Minister, who was replaced by Francesco Nitti.

Answer: Vittorio _ORLANDO_

B17. Name these Islamic poets FTP each.

1. This son of a tent-maker wrote a collection of quatrains that were later rearranged with thematic coherence and translated by Edward FitzGerald.

Answer: Omar _KHAYYAM_

2. This was the pen name of Musharraf-uddin, the 13th century migrant poet who wrote _The Fruit Garden_ and _The Rose Garden_.

Answer: _SAIDI_

3. This 13th-century Sufi mystic poet was named Jelalludin Balkhi, but his common name means "from Roman Anatolia." He wrote poetry in celebration of friendship and sensual pleasure, such as _The Tavern: Whoever Brought Me Here Will Have to Take Me Home_.

Answer: _RUMI_

B18. Answer the following about the Buddha FTP each.

1. At the end of his great sermon, Buddha admitted five ascetics as bhikkhus, who became the first members of this monastic order, whose name is applied to modern Buddhist monasteries as well.

Answer: _SANGHA_

2. Meaning "one whose essence is enlightenment," this term is applied to the historical Buddha, Gautama, prior to his enlightenment, and also to other individuals who are destined to become buddhas.

Answer: _BODHISATTVA_

3. This "Lord of the Senses" was the temptor of Buddha on several occasions. He is evil and sensual, attempting to terrify and seduce his victim.

Answer: _MARA_

B19. Name these ancient geometers for the stated number of points.

1. This mathematician's magnum opus is his Conics, in which he applied the terms ellipse, hyperbola, and parabola to conic sections. He also invented an astronomy based on epicycles. Name him FTP.

Answer: _APOLLONIUS_ of Perga

2. He theorized that "any segment of a sphere has to the cone with the same base and height the ratio which the sum of the radius of the sphere and the height of the complementary segment has to the height of the complementary segment," a theorem illustrated on his tombstone. Name him for 5 points.

Answer: _ARCHIMEDES_

3. Most of Euclid's spurious Book XII was actually written by this man, who correctly recalculated the length of the solar year, and devised an astronomy based on nested concentric spheres. Name him for 15 points.

Answer: _EUDOXUS_ of Cnidus

B20. Answer the following about unsolved mysteries of poetry FTP each.

1. This combination of three vowels appears 180 times in the text of the Song of Roland, at the end of lines. Nobody knows what it stands for.

Answer: _AOI_

2. This Hebrew word occurs in thirty-nine of the Psalms and three times in the third chapter of Habakkuk. Probably it is a liturgical notation, but nobody knows what it means.

Answer: _SELAH_

3. The epithet "elibatos" (AY-lee-ba-TOS) is applied to rocks six times in works ascribed to this Greek poet, but its meaning is a mystery.

Answer: _HOMER_

B21. Answer the following questions about American general Winfield Scott FTP each.

1. In 1838, Scott was sent to Maine during what conflict, which he managed to bring to a peaceful close?

Answer: The _AROOSTOCK_ War

2. In 1847, he landed in Mexico at what town, which he captured after a brief siege?

Answer: _VERACRUZ_

3. At the age of 74, Scott urged a blockade and long-range isolation of the Confederacy--a concept that was given what derisive name by politicians who wanted a quick victory?

Answer: The _ANACONDA_ Plan

B22. Name these economists from their theories FTP each.

1. His law of markets states that supply creates its own demand.

Answer: Jean-Baptiste _SAY_ (accept Say's Law)

2. These two men stated the relationship between a company's capital asset structure and dividend policy on the one hand, and its market value and cost of capital on the other.

Answer: Franco _MODIGLIANI_ and Merton _MILLER_ (accept Modigliani-Miller Theorem)

3. His "portfolio theory" sought to prove that a diversified or optimal portfolio could be practical.

Answer: Harry _MARKOWITZ_

B23. 30-20-10 Name the artist.

30) At the siege of Rome in 1527, he killed the Constable Bourbon and shot down William the Silent. He was only in Rome because he had been banished from Florence after a duel.

20) He got along very badly with Baccio Bandinelli, and badmouthed his masterpiece, Hercules and Cacus in front of their common patron, Cosimo di Medici.

10) He made the gold salt cellar for Francis I, and cast a bronze Perseus with the Head of Medusa.

Answer: Benvenuto CELLINI

B24. Answer the following about the Balkans FTP each.

1. At this 1389 battle, the Turks defeated a Balkan coalition led by Prince Lazar of Serbia, but Turkish leader Murad I was assassinated, and his son Bayazid won the victory.

Answer: Battle of KOSOVO

2. Serbia became the leading kingdom in the Balkans under the rule of this man from 1331-55; he brought Macedonia, Albania, Thessaly, and Epirus under his control, and married his daughter to the Tsar of Bulgaria.

Answer: Stephen DUSHAN

3. The religious situation in the Balkans was complicated by this heretical ascetic sect from Bulgaria. They taught dualism similar to that of the Paulicians and Manichees.

Answer: BOGOMILS

B25. Name the authors of the following works on a 10-5 basis.

1. 10 points--An unfinished novel, Unanswered Prayers and a collection of stories, A Tree of Night.

5 points-- Other Voices, Other Rooms

Answer: Truman CAPOTE

2. 10 points--A collection of essays, The Purple Decades and The Kandy-Colored Tangerine-Flake Streamline Baby.

5 points-- A Man in Full

Answer: Tom WOLFE

3. 10 points-- Islands in the Stream and The Dangerous Summer.

5 points-- A Moveable Feast and Men Without Women.

Answer: Ernest HEMINGWAY