

## Finals Tossups

1. Multimode stepped index is the lowest grade, and is only useful for short distances. Single mode stepped index is the most expensive, carrying the highest bit rates. They are composed of a glass core surrounded by glass cladding and a protective plastic jacket. For ten points, identify this type of ultra-high-speed transmission media, a staple of long-distance telephone company advertisements.

Answer: fiber optic cable

2. A term used in a system of ethics, this is the unconditional moral law that applies to all rational beings, independent of personal motive or desire. FTP, what is this two-word phrase identified with the ethical system of Immanuel Kant?

Answer: categorical imperative

3. The "crazy ants" killed off all the other ants then munched on the crickets and grasshoppers. Morning glory overran most other plants, all the pollinators died, and the large trees became brittle and started to collapse. 80% of vertebrate species went extinct. None of these environmental catastrophies were good for the humans: one researcher dropped 110 pounds. These events all took place, FTP, in what Oracle, AZ facility that is now a model of environmental collapse?

Answer: BIOSPHERE 2

4. Her sculpture uses subtleties of texture and smooth, gracefully folded surface movement--as seen in her abstract stone and wood carvings. Later work, not dissimilar to that of Henry Moore, shows a concern with geometric construction and the achievement of a tighter structure through the pierced form--as seen in her bronze, monolithic works. FTP, identify this English sculptor of Large and Small Forms in Cornish elms and Biotite.

Answer: Dame Barbara Hepworth

5. The fourteenth child of Alexei Mikhailovich, during his reign, he created a regular army and navy and subjugated the Church to the state, though he had his eldest son executed for high treason in 1718. For the first 14 years of his 43-year term, he ruled jointly with his brother Ivan V. FTP, identify this extensive reformer, who ruled Russia from 1682 to 1725.

Answer: Peter the Great (Peter Alexeyevich the Great)

6. His theories of psychosis in positive and constructive terms found wide audience. For instance, his The Politics of the Family relates the psycho-social workings of the family to society as a whole, while The Facts of Life (1976) asserts insanity as a sane response to an insane society. FTP, identify this Scottish psychiatrist and writer, not to be confused with singer K. D.

Answer: R.[Ronald] D.[David] LAING

7. The author of this novel wrote of its protagonist: "She is almost too good for me," though heroine Anne kowtows to peer and family pressure and breaks her eight-year engagement to Captain Wentworth. In the end, however, Elliot and Wentworth are reunited and marry. FTP, identify this 1818 Jane Austen novel.

Answer: PERSUASION

8. First championed in the U.S. by critic Andrew Sarris, this particular theory of New Wave film criticism became influential during the 1950's. Truffaut [troo-FOE] proposed it to free directors from traditional script-dominated films. FTP, identify this theory where films should ultimately bear the artistic stamp of the director, much as a novel does that of its author.

Answer: AUTEUR [oh-TOOR] theory

9. The current borders of this county were formed in 1974, with parts of its land area being taken from Bristol, Gloucestershire, and North Somerset. Its major towns include Weston-super-Mare, Bristol, and Bath, and it contains the Cotswald and Mendip Hills. For Ten points, identify this county in Southwest England, famous for its river of the same name, upon whose banks lay the town where England's most famous bard was born.

Answer: Avon

10. President Paul Kruger refused to grant political rights to the Uitlander population of the mining areas of the Witwaterstand. This prompted a provincial ultimatum directed against the reinforcement of the British Garrison in South Africa. These events were, FTP, the immediate cause of what turn of the century African war?

Answer: the Boer War

11. The bible reports that he is the oldest son of Nebuchadnezzar, but Babylonian inscriptions found in 1854 report that he is actually the son of Nabonidus, the King of Babylon from 555 to 539 BC. However, the book of Daniel and Xenophon's Cyropaedia both confirm that in 539 he held a last great feast at which he saw a hand write portentous words on the wall. For 10 points, identify this regent, whose death was predicted by Daniel.

Answer: Belshezzar

12. It doesn't take a village to know that Hillary Clinton wasn't the first First Lady to be villified. In 18th century France, that privilege belonged to a woman who was villified as a whore after the infamous diamond necklace affair of 1785. This ruined the already suspect reputation of FTP what Austrian wife of Louis XVI?

Answer: Marie ANTOINETTE

13. His sensitive novels reveal psychological character insight as well as a profound reverence for nature, as in his Hurskas kurjuus or Meek Heritage and Nuorena nukkunut or Fallen Asleep While Young. FTP, identify this Finnish novelist and short-story writer who received the 1939 Nobel Prize in Literature.

Answer: Frans Emil SILLANPAA

14. This pre-Socratic natural philosopher provided the world one of its earliest pieces of Greek prose, his On Nature. Believing that the world is a balance of opposites, he also asserted a reality of constant transition and fugacity. FTP, identify this "weeping philosopher" who concludes: "It is not possible to step twice into the same river."

Answer: HERACLITUS

15. Unlike the Bertrand model, which assumes firms will react to changes in the market in ways that keep their prices fixed, this concept predicts that firms make their best response to maximize profits, given the actions of rival firms. FTP name this concept associated with Game Theory, which one its originator a Nobel Prize in 1994.

Answer: NASH EQUILIBRIUM

16. Nile Kinnick, Tommy Harmon, Doak Walker, Steve Spurrier, Tony Dorsett, Ty Detmer and Barry Sanders: all won, for ten points, what annual award given by the Downtown Athletic Club.

Answer: HEISMAN Trophy

17. Mae West, Karl Marx, Johnny Weismuller, Albert Einstein, Carl Jung, Stan Laurel, and William Burroughs: all appear, FTP, on the cover of what Beatles album?

Answer: SERGEANT PEPPER'S LONELY HEARTSCLUB BAND (w/o "Band" on early buzz)

18. Happy Chandler, Ford Frick, Bowie Kuhn, and Peter Ueberroth have all held, for ten points, what position in Major League Baseball first held by Kennesaw Mountain Landis.

Answer: COMMISSIONER (of MLB)

19. Pencil and paper ready? A sphere has a diameter of 100 meters. For ten points, what is the sphere's surface area in square meters?

Answer: 10,000 pi square meters

20. Mulliken-Jaffe, Allen, Sanderson, Allred-Rochow, and Pauling are all definitions of this quality, which displays periodic variation. Quantitative values typically range from 0.7 to 4.0, and are represented by the Greek letter chi (rhymes with "pie"). FTP, identify this quality, still best defined by Pauling's original definition, "the power of an atom in a molecule to attract electrons to itself."

Answer: Electronegativity

21. He was a close friend of Abraham Lincoln, but he fought against him during the Civil War. He finished last in his class at West Point. This might explain why he is best remembered for a defeat. For ten points, name this man, who led his troops on an ill-fated charge on July 3, 1863.

Answer: George PICKETT

22. Fools Die describes the life of a street-wise boy turned successful novelist in Las Vegas and Hollywood. The Fortunate Pilgrim is a semiautobiographical novel about an Italian-immigrant family, while The Sicilian and his most recent work, The Last Don, again treat crime, power, and the Mafia. FTP, identify this author of The Godfather.

Answer: Mario PUZO

23. In dance, this is a dignified ceremonial dance that from the 17th to 19th century often opened court balls and other royal functions. The term also describes the 3/4 time music that accompanies the dance. Chopin wrote many of these pieces. Name the term, whose name comes from the country of origin of both the dance and Chopin himself.

Answer: POLONAISE

## Finals Bonuses

1. For ten points apiece, given a description, identify the medieval philosopher.

1. Living from 1135 to 1204, this Spanish-born Jewish philosopher tried to synthesize Aristotelian with Judaic thought.  
Answer: MAIMONIDES

2. Living from 1126 to 1198, this Spanish-born Arabian philosopher, lawyer, and physician wrote commentaries on Aristotle influential for over 300 years. He asserted the compatibility of faith with reason, but the Church condemned his views.  
Answer: AVERROES [ah-VAIR-o-AYS]

3. Living from 980 to 1037, this Persian-born Islamic philosopher's Neoplatonist interpretation of Aristotle, like al-Shifa, influenced Thomas Aquinas, while his Canon of Medicine was the standard medical textbook until the seventeenth century.  
Answer: AVICENNA

2. For ten points apiece, given a year, identify its best-selling fiction piece. If you also need the author, you will earn only five points apiece.

10 pts: 1993

5 pts: Robert James Waller

Answer: The BRIDGES OF MADISON COUNTY

10 pts: 1977

5 pts: J.R.R. Tolkien

Answer: SILMARILLION

1972 and 1973

5 pts: Richard Bach

Answer: JONATHON LIVINGSTON SEAGULL

3. For ten points apiece, given the descriptions, identify the items from the field of linguistics.

1. This was the first attempt to explain the consonantal differences between Greek and Latin words and their cognates in the Germanic languages.

Answer: GRIMM'S LAW

2. For another ten points, who formulated this law?

Answer: JAKOB [YAH-kub] GRIMM

3. Now for a final ten points, name the book where Jakob Grimm actually formulated this law.

Answer: DEUTSCHE GRAMMATIK or German Grammar

4. For ten points apiece on the first clue or five if you need the second, given the film, identify its foreign-born director.

10 pts: Gentleman's Agreement

5 pts: On the Waterfront

Answer: Elia KAZAN or KAZANJOGLOU

10 pts: Gallipoli

5 pts: Dead Poets Society

Answer: Peter WEIR

3. 10 pts: One Flew over the Cuckoo's Nest

5 pts: Amadeus

Answer: Milosz FOREMAN

5. For ten points apiece, given lesser known characters in a Shakespearean play, identify the play.

1. Diomedes and Pandarus                      Answer: TROILUS AND CRESSIDA
2. Fleance and Donalbain                      Answer: MACBETH
3. Launcelot Gobbo and Jessica              Answer: MERCHANT OF VENICE

6. For five points each, identify the chemical element from its etymological root:

1. Greek for “inactive”                      Answer: Argon
2. Latin for “lime”                              Answer: Calcium
3. Greek for “color”                            Answer: Chromium
4. Greek for “the sun”                        Answer: Helium
5. Latin for “rainbow”                        Answer: Iridium

7. Given the description, identify the contemporary feminist theorists, 10 points apiece.

1. In 1974, this psychoanalyst was dismissed from the University of Paris VIII-Vincennes [van-SUN] because of her doctoral thesis, Speculum of the Other Woman, which argued that Freudian analysis was misogynist and history and culture are written in a patriarchal language exclusive of women's needs and desires.

Answer: Luce Irigaray [ee-ree-guh-RAY]

2. This Bulgarian-born psychoanalyst and critic synthesized elements from Lacan, Foucault [foo-KO], and Bakhtin [bahk-TEEN], while Roland Barthes [BART] was her mentor. Her doctoral dissertation, Revolution in Poetic Language, was hailed for its application of psychoanalytic theory to language and literature.

Answer: Julia Kristeva

3. Born in Algeria, her first language was German, but major works are in French. Her essays concern issues of sexual difference and female experience in writing. Works such as The Book of Promethea reinterpret myths and the mythic past and analyze the representations of women in Western culture.

Answer: Hélène [ay-LEN] Cixous [see-ZOO]

8. For ten points piece, given the description, identify the moon of Saturn that best fits it.

1. This moon of Saturn is the brightest in our solar system.

Answer: Enceladus

2. The large crater (the largest in the solar system) on this moon of Saturn makes the moon resemble the Death Star from the Star Wars films.

Answer: Mimas

3. This moon of Saturn is the only moon in the solar system with a substantial atmosphere.

Answer: Titan

9. Identify the state 30-20-10

30. It contains the towns of Stout, Whitewater, and Pound, as well as the 215 square mile Lake Winnebago.

20. The first European to set foot on this state was Jean Nicolet in 1634, and it was admitted as the 30th state to the union in 1848.

10. It has produced such notable figures as Frank Lloyd Wright, Fightin' Bob LaFollette, Joseph McCarthy, Latrell Sprewell, and Brian "Kato" Kaelin.

Answer: Wisconsin

10. 30-20-10 Identify the man:

30. Born in 1924, he served in the Allied forces' Burma campaign during World War II and in the British action against the Mau Mau revolt in Kenya from 1952-1956.

20. He joined the King's African Rifles of the British colonial army in 1943 and became chief of the army and air force of his country in 1966.

10. From 1971 to 1979, he ruled Uganda as a dictator, and his actions included ordering the torture and murder of 300,000 Ugandans, the expulsions of all Asians from Uganda in 1972, and involvement in the Palestinian hijacking of a French Airliner.

Answer: Idi Amin

11. Recently, based on gene sequencing, the three major kingdoms of life have been restructured. The three main kingdoms are no longer plants, animals, and fungi. FTP apiece, what are the three new kingdoms--one contains bacteria, one contains all plants and animals, and the last contains very ancient micro-organisms?

Answers: PROKARYOTES, EUKARYOTES, and ARCHAEA

12. Evander Holyfield recently joined Muhammad Ali as the only men to win the heavyweight championship three times. While that's impressive, they were outdone by this man, who once held world titles in three different weight classes at the same time. For 30 points, name this man, who, for a few brief months of 1938, was the lightweight, welterweight and middleweight champion.

Answer: Henry Louis ARMSTRONG

13. Trained in the use of mallet and chisel by his father, he established his own carver's shop in Philadelphia and in 1808, he became one of the founding members of the Pennsylvania Academy of the Fine Arts. For 25 points, name this sculptor, whose works include Comedy, Tragedy, Schuylkill Freed, Schuylkill Chained, and Water Nymph and Bittern.

Answer: William RUSH

14. 25 point bonus - Answer these question these questions concerning infernal torment in Tartarus

a) 5 pts. - He was condemned to roll a boulder up a hill which always rolled as soon as he reached the top.

Answer: SISYPHUS

b) 5 pts. - He was tormented by an eternal hunger and thirst which he could not quench.

Answer: TANTALUS

c) 15 pts. - He was attached to an eternally spinning wheel which almost drowned him each turn.

Answer: IXION

15. Given the capital of an ancient empire, identify the empire FTPE.

a. Nineveh

answer: Assyria

b. Sardis

answer: Lydia

c. Hattusha

answer: the Hittite Kingdom

16. It's a constant at these tournaments to have this question, so here goes. Identify these scientific constants:

- (5)  $6.67 \times 10^{-11} \text{ m}^3 / \text{kg} \cdot \text{sec}^2$     Answer: CAVENDISH constant  
(10)  $4.14 \times 10^{-15} \text{ eV} \cdot \text{sec}$     Answer: PLANCK's Constant  
(15)  $8.99 \times 10^9 \text{ N} \cdot \text{m}^2 / \text{C}^2$     Answer: PERMITTIVITY constant

17. Given the description, answer these questions about a nineteenth-century French literary movement, 10 points apiece.

1. This school of poetry alludes to the Greek mountain consecrated to the Muses and emphasized precision and objectivity in the face of romanticism. Associates included Charles Leconte de Lisle [LEEL] (its leader), Paul Verlaine, and Sully Prudhomme.

Answer: the PARNASSIANS

2. Parnassians were particularly influenced by this French novelist, journalist, and major Parnassian himself, poet of Emaux et Camees [ay-MO-ay-kuh-MAY].

Answer: Theophile [tay-o-FEEL] GAUTIER [go-TYAY]

3. The Parnassians made this aesthetic credo their keystone motto, a now well-known phrase from Gautier's [go-TYAYZ] poem "Art."

Answer: "ART FOR ART'S SAKE" or "ART FOR ART"

18. This form of radiation is the electromagnetic analogue of a sonic boom. In a situation, such as nuclear reactor fuel rods submerged in water, where emitted radiation is travelling faster than the speed of light in the medium, a glow is given off. This radiation is named for a Russian physicist who died 1990, and discovered the eponymous phenomenon in 1934. FTP, name the 1958 co-recipient of the Nobel prize for Physics, with Tamm and Frank.

Answer: Cerenkov radiation or Cherenkov

19. 30-20-10: given the title, identify the twentieth-century novelist.

30: The Sound of the Mountain and Beauty and Sadness

20: The Izu Dancer and Thousand Cranes

10: The House of the Sleeping Beauties and Snow Country

Answer: KAWABATA Yasunari (or vice versa)

20. For fifteen points apiece, given the description, identify the medieval female.

1. An anchoress on the northeast coast of England, this accomplished prose stylist recorded her May 13, 1373 spiritual and bodily visions and her meditations on them in her profound mystical treatise A Book of Showings.

Answer: Julian of Norwich

2. Living from 1373 to 1438, this mother of 14 dictated the spiritual autobiography that now bears her name. The book records the housewife's struggle to fulfill religious instructions received of her personal visions of Christ and the Virgin Mary. Her life exemplifies the Franciscans' affective piety.

Answer: Margery Kempe

21. 20 pts. - This term refers to a certain type of German opera. This type of opera contains both singing and spoken sections. Mozart's Abduction from the Seraglio and The Magic Flute are examples of this style. For 20 points, name this German term.

Answer: SINGSPIEL

22. 30 pts. - Name these types of sin recognized by the Catholic Church. [moderator: do not read correct answers until the end]

a) 5 pts. - This is the sin that all men inherit from Adam and Eve.

Answer: ORIGINAL SIN

b) 10 pts - This form of sin leads directly to damnation without any chance of redemption after death.

Answer: MORTAL SIN

c) 15 pts. - This form of sin is punished in purgatory until the person is redeemed.

Answer: VENIAL SIN