

1998 Penn Bowl 007

Questions by Yale B, with Yale A

Toss Up Questions

1. Discovered in 1825, it states that the line integral of a magnetic field along a closed path is proportional to the net electric current enclosed therein. FTP, name this law, a recasting of the Biot-Savart law, revised by Maxwell, which shares its name with the SI unit for current.

ANSWER: _AMPERE_'s law [AHM-pair]

2. He most likely met Aelfgifu, daughter of an officer of Northumbria while he was tending a fleet in Lincolnshire, and they married, having two sons. He came back to England to combat King Aethelred's son Edmond Ironside. When Aethelred died in 1016, this man was elected him king. For ten points, name this warrior who was also simultaneously ruler over England and Denmark.

Answer: _Canute the Great_ or _The First_

3. Its adherents believe that all principles are to be regarded as working hypotheses rather than metaphysically binding axioms. A modern expression of empiricism, it was influential in early twentieth century America. For ten points identify this philosophical movement founded by C.S. Pierce.

ANSWER: _PRAGMATISM_

4. It means "configuration," and, appropriately, its adherents studied how perceptions are formed in relation to context, configuration, and meaning. A movement in experimental psychology, it laid foundations for later work in cognitive psychology. For ten points identify this word that is associated with men such as Wolfgang Kohler.

ANSWER: _GESTALT_

5. Reimprisoned in 1993, this man arrived in Detroit on November 16, twenty years after posting reform demands on "Democracy Wall." FTP, name this dissident recently freed on "medical parole" who may never see China again.

ANSWER: _WEI_ Jingsheng

6. Because DNA is only synthesized in the 3 prime to 5 prime direction, the lagging strand cannot be replicated in a single piece. Instead, it is replicated in short pieces which are later joined. For ten points, what is the name of these pieces?

ANSWER: _OKAZAKI_ fragments

7. Born Emmanuel Rabinovich in New York, he began as a painter, befriending early Marcel Duchamp. He moved to France, and, in order to fund his painting, he turned to commercially viable photography, producing a book, The Delightful Fields, of photograms, which he called rayographs. For ten points, name this American dadaist who adopted a two word name that would imply a lycanthropic fish.

Answer: _Man Ray_

8. It emerged during the 1970s as an offshoot of the Communist Party, taking its name from a quote describing Marxist-Leninism by Jose Carlos Mariategui. Its leader was Abimael Guzman Reynoso, AKA Comrade Gonzalo, and he drifted the group leftward toward Maoism. For ten points, identify this terrorist organization, based in Peru.

Answer: The _Shining Path_ or _Sendero Luminoso_

9. They held the Bible to be the only authentic rule of faith, exhorted the clergy to return to the simple life of the early church, and opposed war, the doctrine of transubstantiation, confession, and the use of images in worship. For ten points name this 14th-15th century religious sect, led by English theologian and reformer John Wycliffe.

ANSWER: _LOLLARDS_

10. Whiskey and Coke, vodka and orange juice, marijuana, a \$300 stripper who lacked cocaine, the John Hancock Building, and morphine. All of these elements were part of the last hours of a man who was found with a red-tinged fluid coming from his nose and a white, frothy fluid coming from his mouth. For ten points identify this recently deceased comedian.

ANSWER: Chris _FARLEY_

11. His first name is Ahmed, and he was born to a Muslim businessman and educated at the Rugby School and the University of Cambridge. He has written allegorical works about India and Pakistan, but now he lives in hiding under the protection of Scotland Yard. For ten points identify this author whose assassination would merit a \$6 million reward.

ANSWER: Ahmed Salman _RUSHDIE_

12. His career began in the Spanish army, where he rose to the rank of captain. Known for arguing both sides of an issue, he became a national hero after repelling the 1829 Spanish attack on Mexico, and soon became dictator. FTP, name this man deposed in 1839 after his defeat in Texas.

ANSWER: Jose Antonio de _SANTA ANNA_

13. Steam-driven generator, coolant pump, core shield, containment vessel, control rods, fuel pellets. For ten points, these are all parts of what sort of electricity generating device?

ANSWER: _NUCLEAR REACTOR_ or _NUCLEAR POWER PLANT_ or _NUCLEAR GENERATOR_ [prompt if "nuclear" comes up but the rest is incorrect]

14. The giantess Thokk--perhaps Loki in disguise--would not shed the tears needed to release from death this god, the favorite of them all. FTP, identify this son of Frigg who was killed when Hvd [HOED] hurled at him the only substance that could harm him, mistletoe.

ANSWER: _BALDER_

15. Its characters discuss what a man with the ring of Gyges might do. In pondering this, the Sophists argued that the only reason for acting justly is that one cannot get away with acting unjustly. This work is most famous for an allegory in Book Five. For ten points, identify this philosophical and political work of Plato.

ANSWER: The _REPUBLIC_ or _POLITEIA_

16. This 1927 work was multicultural: written by a Russian, it had narration in French, using a libretto in Latin based on Greek mythology. FTP, identify this one-act opera by Igor Stravinsky, parodied by P.D.Q. Bach to feature the Queen of the Rodeo, Billie Jo Casta.

ANSWER: _OEDIPUS REX_, _OEDIPUS THE KING_, or _OEDIPE ROI_ [AY-deep RWAH]

17. This country's highest point is a 13,435-foot-tall eponymous mountain. Bordered to the south by Equatorial Guinea, Gabon, and Congo, it has more than 200 distinct ethnic groups. FTP, name this country, known for its World Cup soccer exploits, with capital at Yaounde.

ANSWER: _CAMEROON_

18. For elemental oxygen, or any other element in an uncombined state, it is zero. For an ion, it is equal to the charge. In a compound it is zero. For a polyatomic ion, it is equal to the charge. For ten points, what is the chemical heuristic, useful in predicting chemical reactions, that is described by these rules?

ANSWER: _OXIDATION NUMBER_ or _OXIDATION STATE_ [prompt on "oxidation"]

19. He entered the political realm by prosecuting Cimon and implemented democratic reforms with Ephialtes

shortly thereafter. He would die of the plague at age 66, but his political leadership saw the creation of the Parthenon, as well as many other Greek marvels. For ten points, identify this leader of Athens.

ANSWER: PERICLES

20. Loosely based on Shakespeare's Hamlet, this 1983 film sees Mel Blanc as the voice of a cartoon-watching father. It introduced the "3-B" rating to the world of cinema, and allowed SCTV alums Dave Thomas and Rick Moranis a start in the world of film. For ten points identify film about beer, hockey, and all things Canadian.

ANSWER: STRANGE BREW: The Adventures of Bob & Doug MacKenzie

21. Pog-gen-dorff. Zoell-ner. Hering. Ponzo. Mueller-Lyer. The Koenig necklace. The Necker cube. These are all examples of, FTP, what Gestalt tricks where the normal processing of visual stimuli cause the brain to perceive something false as true?

ANSWER: OPTICAL ILLUSION_s or VISUAL ILLUSION

22. He originally studied law and wanted to pursue a career as a composer. Among his scenic designers were Matisse, Braque, and Picasso, and he commissioned such ballets as Stravinsky's Firebird and Ravel's Daphnis and Chloe. For ten points name this man who helped establish the Ballets Russes.

ANSWER: Sergey Pavlovich DIAGHILEV

23. Born in Macon, Georgia on May 3, 1928, his first hit was "Please Please Please." His grooves emphasized rhythm and bottom and revolutionized black music in the late 1960s and early 70s, influencing everyone from Miles Davis to George Clinton. FTP, name this "Soul Brother #1", who has recently reentered a hospital to combat pain-killer addiction.

ANSWER: J_ames BROWN

24. After emigrating in 1777, he joined the Revolutionary army and attained the rank of major of engineers. Later he designed the Old City Hall of New York and the town house of financier Robert Morris in Philadelphia. But his most famous project was the city he modeled after Versailles in his native France. For ten points identify this architect.

ANSWER: Pierre L'ENFANT

25. In linguistics, sounds caused by blocking part of the oral cavity. In science, ochre, umber, and amber. On an organ, mechanisms that control air flow. In Britain, a period. FTP, what four-letter word describes these, as well as a red eight-sided sign?

ANSWER: STOP [ACC: FULL STOP or STOP CODON]

26. After graduating from Yale in 1907, this future novelist wrote newspaper and magazine articles, but sought to make a living with novels. He did, winning the 1930 Nobel Prize in Literature. FTP, name this American social critic, famous for "It Can't Happen Here", "Elmer Gantry", and "Babbitt".

ANSWER: Harry S_inclair LEWIS

27. After World War II, the Kokka form of this ideology fell out of practice in favor of the apolitical Jinja form. The Imperial family, however, continued to be important. Literally meaning "the way of kami," these indigenous beliefs are most readily observed in social practices and not in temples or shrines. For ten points name this religion of Japan.

ANSWER: SHINTO

28. Boris Karloff wanted more screen-time than this role would have given, so he turned it down. Professor Griffin, a scientist that discovers failed experiments conducted by the Germans that created insane albino dogs, succeeds in producing the desired results but drives himself mad. He then engages in running a reign of terror in northern England. For ten points, name this title character that paved the career of Claude Rains in 1933.

Answer: The Invisible Man

29. It was repopulated in 1979 after being virtual emptied four years earlier. Located in the south central part of its nation, it lies at the confluence of the Tonle Sap and Mekong rivers. It is connected to Bangkok and Thailand via railroad, and is known for its pagodas. For ten points identify this Kampuchean city.

ANSWER: _PHNOM PENH_

30. Although he has been a respected player for years, few men have played worse in the Super Bowl. Although his teams have competed four times for the NFL championship, each time he has come away empty, losing by more than 19 points. For ten points identify this lucky-numbered Bronco quarterback who will try to change this trend in 1998.

ANSWER: John _ELWAY_

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Bonus Questions (all worth 30 points)

1. I give you the description of a Herman Melville title character, you give me his name, ten points each.

a. A former postal service employee who "prefers not to" leave his office despite his boss's fervent pleas, this character eventually starves because he also prefers not to eat.

ANSWER: BARTLEBY

b. A hotheaded but loyal sailor who kills a superior for suggesting he was planning a mutiny.

ANSWER: BILLY BUDD

c. The deposed captain of the San Dominick, this character saves himself from bloodthirsty slaves by leaping from his ship into a whaleboat piloted by Captain Delano.

ANSWER: BENITO CERENO

2. The US recently qualified for this year's World Cup by finishing second in the North American and Caribbean (CON-CA-CAF) region.

a. Ten points each, name the region's other two qualifiers.

ANSWER: MEXICO and JAMAICA

b. Jamaica is the third Caribbean nation ever to qualify. Five points each, name the other two.

ANSWER: CUBA and HAITI

3. Name the Rodgers and Hammerstein musical, given songs, on a 15-5 basis.

a. 15: "Out of My Dreams", "All 'er Nothin'"

5: "Surrey with the Fringe on Top", "Oh, What a Beautiful Morning"

ANSWER: OKLAHOMA

b. 15: "What's the use of Wond'rin'", "Soliloquy"

5: "If I Loved You", "You'll Never Walk Alone"

ANSWER: CAROUSEL

4. Answer these questions about organic synthesis, 10 points each.

a. Nitration of benzene is this specific type of reaction.

ANSWER: E_lectrophilic A_romatic S_ubstitution [prompt on "substitution"]

b. This is the type of product an S-N-1 reaction always yields.

ANSWER: RACEMATE or RACEMIC mixture

c. This is the process of separating racemates.

ANSWER: RESOLUTION

5. Identify the philosopher from a quotation for the stated number of points:

5: "Those who labor in the earth are the chosen people of God, if he ever had a chosen people..."

ANSWER: Thomas JEFFERSON

10: "Human reason has this peculiar fate that in one species of its knowledge it is burdened by questions which...it is also not able to answer."

ANSWER: Immanuel KANT

15: "The prudent man is always sincere, and feels horror at the very thought of exposing himself to the disgrace which attends upon the detection of falsehood."

ANSWER: ADAM SMITH

6. Answer the following about the events that formed the basis for Steven Spielberg's "Amistad."

a. In what year was La Amistad taken by the U.S. Coast Guard?

ANSWER: 1839

b. What island was both the origin and the intended destination of La Amistad when slaves took over the

ship?

ANSWER: _CUBA_

c. What colony did most of the freed Amistad slaves go to after the U.S. Supreme Court released them?

ANSWER: _SIERRA LEONE_

7. Everybody seems to love Hanson nowadays, so answer these questions about the young pop stars for the stated number of points.

a. For five points each, give the first names of the brothers.

ANSWER: _ISAAC_, _TAYLOR_, _ZACHARY_

b. For five points, name the album that contains "MMMBop."

ANSWER: _MIDDLE OF NOWHERE_

c. For ten points, in what city were the boys born and raised?

ANSWER: _TULSA_, Oklahoma

8. Answer the following questions about Albrecht Durer's work The Four Apostles.

a. For five points each, name any two of the four humors or temperaments which the figures are supposed to exemplify.

ANSWER: _SANGUINE_, _PHLEGMATIC_, _CHOLERIC_, or _MELANCHOLIC_

b. And for five points each, name the "four apostles." All were saints, although only three were Jesus's apostles.

ANSWER: _PETER_, _JOHN_, _MARK_, and _PAUL_

9. Iran's in turmoil again! Name these political leaders, for the stated number of points.

15: This former successor to Ayatollah Khomeini called the theocracy into question.

ANSWER: Ayatollah Hossein-Ali _MONTAZERI_

10: Khomeini's actual successor, Iran's supreme leader, who had Montazeri beaten.

ANSWER: Ayatollah Ali _KHAMENEI_ [KHAH-may-nee, DNA: "Khomenei"]

5: This newly elected president of Iran found himself stuck in the middle of this crisis.

ANSWER: Mohammad _KHATAMI_

10. Time to get touchy-feely. The captain must touch the stated bony prominence on another team member. Ten points each for index finger on the right place, five points if the correct place is touched with a spread hand. You choose which method to use for each question.

a. A malleolus [mal-ee-oh-lus]. There are four of them.

ANSWER: It is the prominence on the leg bones at the ankle on either side of the foot. [the index finger must be rather close, use your judgment; if the spread hand is anywhere near the correct location, grant credit]

b. Either of the olecranon processes.

ANSWER: It is the bony tip of the elbow.

c. The projections caused by the zygomatic bones.

ANSWER: The cheekbones (slightly under and outside of the eyes).

[Be lenient when judging either the index finger or the spread hand]

11. The Super Bowl is quickly approaching, so answer these questions about it surroundings for the stated number of points.

5: How many Super Bowls will have occurred after the 1998 Bowl?

ANSWER: _32_

10: In what stadium will Super Bowl XXXII occur?

ANSWER: _QUALCOMM_ Stadium [not Jack Murphy anymore]

15: What is the name of the recently renovated San Diego airport?

ANSWER: _LINDBERG_ Field or International Airport

12. Answer the following questions about "Pictures at an Exhibition" for the stated number of points.

5: Name the composer.

ANSWER: Modest _MUSSORGSKY_

10: For what instrument did Mussorgsky originally intend "Pictures"?

ANSWER: _PIANO_

15: Which composer orchestrated "Pictures"?

ANSWER: Maurice _RAVEL_

13. Answer the following about physical features of India for ten points each.

a. What plateau lies south of the Satpura Mountains?

ANSWER: _DECCAN_ Plateau

b. Into what bay does the Ganges River flow?

ANSWER: Bay of _BENGAL_

c. What desert lies in northwest India along the border with Pakistan?

ANSWER: _THAR_ or _GREAT INDIAN_ Desert

14. Identify the British person on a 30-20-10 basis.

30: Because of persistent ill health, in 1776 he made use of the antiquated privilege that allowed noblemen's sons to graduate from Cambridge without examination.

20: He was the son of George Grenville's sister and the First Earl of Chatham.

10: Although he had few friends and never married, he became Prime Minister in his early twenties and spent nearly half his life in that role.

ANSWER: William _PITT_ the _YOUNGER_

15. Answer these questions about architecture of the ancient world for ten points each.

a. This famed Egyptian sage was chief architect and sculptor for King Djoser of the 3rd Dynasty and was responsible for the design of the Step Pyramid complex at Saqqara.

ANSWER: _IMHOTEP_

b. This citadel and important center of Aegean Civilization in the late Bronze Age is home to the well-known architectural works of The Lion Gate and the Treasury of Atreus.

ANSWER: _MYCENAE_

c. The Byzantine Emperor Justinian oversaw the building of this great domed church in Constantinople from 532-537 AD.

ANSWER: _HAGIA SOPHIA_ or _SANTA SOPHIA_

16. For ten points each, identify the album on which the following songs first appeared.

a. "Pride" by U2

ANSWER: The _UNFORGETTABLE FIRE_

b. "Zombie" by the Cranberries

ANSWER: _NO NEED TO ARGUE_

c. "Invisible Sun" by the Police

ANSWER: _GHOST IN THE MACHINE_

17. Identify the following for ten points each:

a. The name of the man, described in the New Testament as a murderer, revolutionary, and a notorious bandit, who the people of Jerusalem demanded to be released instead of Jesus Christ.

ANSWER: _BARRABAS_

b. The holiday on which Pontius Pilate customarily pardoned one criminal.

ANSWER: _PASSEOVER_

c. The Book of the Bible in which the release of Barrabas is related.

ANSWER: _MARK_

18. Answer the following about recent events involving Theodore Kaczynski for the stated number of points.

5: Spell Ted's last name.

ANSWER: _KACZYNSKI_

10: What item did he use to attempt suicide on January 8th?

ANSWER: _UNDERWEAR_ or some equivalent

15: What Yale professor and Unabomb victim has observed the proceedings of Kaczynski's trial first hand.

ANSWER: David _GELERNTER_

19. Answer the following about the early days of India for fifteen points each:

a. What nationalist group, founded in 1885, pushed for a greater Indian voice in government?

ANSWER _INDIAN NATIONAL CONGRESS_

b. What 1935 British act expanded the powers of the elected provincial and national legislatures and helped lay the groundwork for full independence?

ANSWER: _GOVERNMENT OF INDIA_ Act

20. Identify the following types of economic moneys for ten points each:

a. Examples include gold, silver, and sea shells. These are moneys that have value in non-monetary uses equivalent to the monetary value of the economic item, itself.

ANSWER: _COMMODITY_ moneys

b. A monetary standard--usually paper money--that people are required by law to accept as a medium of exchange and/or a standard of deferred payment.

ANSWER: _FIAT_ moneys

c. Including checking accounts, this type of money is based on the trust people have that a financial institution will keep faith (fides) and pay as promised.

ANSWER: _FIDUCIARY_ money or _BANK_ money

21. Answer these questions about literary adaptations seen at the movies in 1997. Given the author of the work and the actors in the movie, you give the title.

a. Henry James' 1902 novel about love and money; the movie starred Alison Elliot, Helena Bonham Carter, and Linus Roache.

ANSWER: The _WINGS OF THE DOVE_

b. James Ellroy's 1990 novel of Los Angeles in the '50s; the movie starred Kevin Spacey, Russell Crowe, and Guy Pearce.

ANSWER: _L.A. CONFIDENTIAL_

c. Elmore Leonard's 1992 crime novel Rum Punch was adapted into this movie with Pam Grier and Samuel L. Jackson.

ANSWER: _JACKIE BROWN_

22. Answer these questions related to Genetics, 10 points each.

a. What is the genus and species name for the common fruit fly?

ANSWER: _DROSOPHILA MELANOGASTER_

b. The unit of distance used in crossover experiments is named for this 1933 Nobel Prize winner.

ANSWER: Thomas Hunt _MORGAN_ [ACC: _CENTIMORGAN_]

c. Linked genes do not follow what Mendelian law of inheritance?

ANSWER: Law of _INDEPENDENT ASSORTMENT_ [ACC: reasonable alternatives]

23. For ten points each, identify the capital city of the following island nations.

a. Tuvalu

ANSWER: _FUNAFUTI_

b. Solomon Islands

ANSWER: _HONIARA_

c. Nauru

ANSWER: _YAREN_

24. Answer the following about Hinduism for ten points each:

a. What Hindu text's name translates as "Song of the Lord"?

ANSWER: _BHAGAVADGITA_

b. What component of Hinduism which is usually combined with the esoteric Tantric methods of tapping the creative energies within oneself?

ANSWER: _SHAKTISM_

c. What term, complementary to karma, refers to the transmigration of the individual soul?

ANSWER: _SAMSARA_

25. Given a dead person, identify the city where he or she was assassinated for ten points each.

a. William McKinley

ANSWER: _BUFFALO_, New York

b. Rajiv Ghandi

ANSWER: _TAMIL NADU_

c. Yitzhak Rabin

ANSWER: _TEL AVIV_

26. Name the Pulitzer-Prize winning author and MacArthur Fellow from works, 30-20-10.

30: Crabcakes

20: Hue and Cry

10: Elbow Room

ANSWER: James Alan _McPHERSON_

27. DNA can be transmitted between bacteria in several ways. Given a description of a method, give its name FTP each.

a. A cytoplasmic bridge forms between two bacterial cells and a copy of some DNA from one is transmitted to the other.

ANSWER: bacterial _CONJUGATION_

b. A bacteriophage injects DNA into a bacterial cell

ANSWER: _TRANSDUCTION_

c. Foreign DNA is taken up by bacterial cells. Sometime the cells are known as "super-competent."

ANSWER: _TRANSFORMATION_

28. Given a quotation regarding slavery from a work of political theory, identify its author for fifteen points each:

a. "To say that a man gives himself gratuitously is to say something absurd and inconceivable. Such an act is illegitimate and null, if only for the fact that he who commits it does not have his wits about him."

ANSWER: Jean-Jacques _ROUSSEAU_ from On the Social Contract

b. "To conclude: it is clear that there are certain people who are free and certain who are slaves by nature, and it is both to their advantage and just, for them to be slaves."

ANSWER: _ARISTOTLE_ from The Politics

29. Answer these questions about Isabelle Allende, for the stated number of points.

5: Allende's uncle Salvador was president of what country?

ANSWER: _CHILE_

10: In what novel did she dramatize her uncle's overthrow?

ANSWER: The _HOUSE OF THE SPIRITS_ or La _CASA DE LOS ESPERITUS_

15: Name her latest book, part memoir, part autobiography, written for and named after her comatose daughter.

ANSWER: _PAULA_

30.

Answer these questions about everyone's favorite religion, Sikhism, for the stated number of points.

5: The Sikhs consider this region of India as their homeland.

ANSWER: _PUNJAB_

10: This Guru, who lived from 1469 to 1539, founded Sikhism.

ANSWER: Guru _NANAK_

15: The ceremonial sword carried by practicing Sikhs, it symbolizes their dignity and struggle against injustice.

ANSWER: _KIRPAN_