

Round 5

Questions by Boston College

Steve Lester, Colin Robinson, Cecelia Boudreau, Matt Newinski, Gary Gabor, Caroline Hosman, Sheila Rudy

TOSSUP 1 (Fine Arts):

**This institution ushered in romantic landscapes in lieu of portraits. Representative works include *Heart of the Andes* and *The Voyage of Life*. Consisting of (\*) John Kensett, Thomas Doughty, Asher Durand, Frederic Church and its founder, Thomas Cole, FTP, what is this first American school of painting, named after a geographical feature of New York?**

ANSWER: Hudson River School

TOSSUP 2 (Literature):

**This work in 54 chapters is a combination dimestore romance and sweeping family saga. Translated by Edward Seidensticker and Arthur Waley, it also has indisputable claim as the first (\*) novel ever written, having been completed around 1005. FTP, name this sweeping romance of the Heian (HIGH-an) period, written by Murasaki Shikibu.**

ANSWER: The Tale of Genji or Genji monogatari

TOSSUP 3 (Soc Sci)

**Those who suffer from this disorder often “faint” at the sight of blood, (\*) or are “overcome” with emotion during a sad movie. To themselves, they seem sensitive; to others they may seem insensitive and shallow. FTP, name this disorder, the essential feature of which is self – dramatization.**

ANSWER: Histrionic Personality Disorder

TOSSUP 4 (Pop Culture / Sports):

**The name's the same. The first rushed for over 6700 yards for the Seattle Seahawk franchise in the 1980's, and is that team's feature running back in Tecmo Bowl. (\*) The other has burst onto the NFL scene this season, after leading the Iowa Barnstormers to multiple Arena football league titles in the mid – 90's. FTP, give the common name of these players, the latter of which has led the St. Louis Rams to their best start since 1958.**

ANSWER: Curt Warner / Kurt Warner (prompt on Warner)

TOSSUP 5 (Science):

**This physical phenomenon, the basis for the operation of the Esaki diode, occurs because a physical wave function must be continuously differentiable everywhere, making it impossible for it to (\*) vanish immediately at a potential barrier. Instead it decays exponentially, allowing access to regions forbidden by classical mechanics. FTP, identify this bizarre quantum phenomenon, whose discovery led to such microscopy advances as the STM.**

ANSWER: quantum tunneling

TOSSUP 6 (History):

**He founded the right-wing National Union party after resigning as minister of defense in 1933, and was executed in 1945 (\*) after the restoration. In between, he was temporarily head of state. FTP, name this man whose name is now synonymous with collaboration with the enemy due to his assistance in the Nazi invasion of Norway.**

ANSWER: Vidkun Abraham Lauritz Jonsson Quisling

TOSSUP 7 (Fine Arts):

**He championed the central-plan church design that replaced the medieval basilica, as evidenced by his San Lorenzo and Santo Spirito basilicas. He also designed the (\*) Pazzi chapel, and constructed the dome for the Florence Cathedral. FTP, name this early Italian renaissance man, who is also credited with the innovation of linear perspective.**

ANSWER: Filippo Brunelleschi

TOSSUP 8 (History):

**Born with name Kamau around 1894—the exact date is unknown—this (\*) Eritrean was imprisoned for seven years during the Mau Mau rebellion against Great Britain. During this time he was elected leader of the rebel faction. FTP, name this rabble-rouser elected in 1964 as the first president of Kenya.**

ANSWER: Jomo Kenyatta

TOSSUP 9 (Science):

**In this genetic disease, a valine is present where a glutamic acid is normally located. In people (\*) heterozygous for the trait, symptoms include shortness of breath after intense exercising and resistance to malaria, and those homozygous recessive can't exercise at all for fear of death from oxygen deprivation. FTP, name the disease characterized by abnormally shaped red blood cells.**

ANSWER: sickle cell anemia

TOSSUP 10 (Literature):

**Occasionally operating under the aliases Jim Steele and Rudolf Schmidt, he runs into Carl Luce, Sally Hayes, and a hairy bellied elevator operator named Maurice, (\*) among others, on the journey he takes immediately after being kicked out of Pencey Prep. FTP, name the main character and narrator of JD Salinger's *Catcher in the Rye*.**

ANSWER: Holden Caulfield (accept either name)

TOSSUP 11 (Geo / Soc. Sci):

**This river is formed by 4 streams which collect the waters of Anti – Lebanon. After a 7 mile run, the river spreads to form Lake Huleh. (\*) From this point it descends rapidly to 696 feet below sea level. FTP, name this largest river in Palestine.**

ANSWER: Jordan River

TOSSUP 12 (Lit/Myth):

**The name's the same. One is the sister of Plexippus and Toxeus, a queen of Calydon who avenges the death of her brothers by destroying their murderer by burning a branch. The other is the (\*) original addressee of the lines "Stone walls do not a prison make, nor iron bars a cage." FTP, give the name shared in Greek mythology by the mother of Meleager (mel-ee-AH-grr) and in literature by the addressee of a Richard Lovelace poem written from prison.**

ANSWER: Althea

TOSSUP 13 (Literature)

**You might know that the Doors got their name from Aldous Huxley's "The Doors of Perception," but Huxley himself got it from an eighteenth-century poem. (\*) The lines "If the doors of perception were cleansed everything would ~~be~~ appear to man as it is, infinite" appear approximately 1400 lines into this poem. FTP, name this work by William Blake, an attempted union between two very disparate places.**

ANSWER: The Marriage of Heaven and Hell

TOSSUP 14 (Pop. Culture / Sports)

**Born Declan McManus in Liverpool - this musician (\*) was part of the new wave that crashed on American soil in the late 70's and early 80's. "Alison," "Watching the Detectives," and "Veronica" are among his most famous singles. FTP, name this prolific and varied musician often recorded with the Attractions, who collaborated with UB40 on a remake of "Can't Help Fallin' In Love."**

ANSWER: Elvis Costello

TOSSUP 15 (Current Events):

**Two answers required! On October 31st, 1999, in Augsburg, these two organizations announced a joint declaration of agreement concerning the (\*) doctrine of justification. The declaration came on the 482nd anniversary of the public posting of a certain document symbolic of their differences. FTP, name these two Christian churches attempting to smooth over the divisions introduced in 95 famous theses.**

ANSWER: The Roman Catholic and Lutheran churches

TOSSUP 16 (History):

**Considered one of the greatest leaders in Polish history, this general at the age of 54 led a European army that broke the Turkish siege of Vienna in (\*) 1683. FTP name this Polish king whose death in 1696 soon led to the dissolution of independent Poland.**

ANSWER: King John III or Jan Sobieski

TOSSUP 17 (Science):

**If you forget to make a call to the main function, your computer won't know where to start (\*) a program written in this language. It was originally developed for a specific purpose: designing the UNIX system. In 1972 at Bell Laboratories, Dennis Ritchie created, FTP, what programming language, whose predecessor was B?**

ANSWER: C (do not accept C++.)

TOSSUP 18 (Philosophy)

**This eminent Greek scholar was born in 475 A.D. and wrote under the Gothic emperor Theodoric. (\*) He fell from his emperor's favor, however, and was imprisoned in Pavia until his brutal execution. FTP name this scholar and writer of a famous allegorical work from death row, the *Consolation of Philosophy*.**

ANSWER: Boethius

TOSSUP 19 (Science):

**So phenomenal was this mathematician's memory that he had the entire Aeneid memorized—in Latin. Although he was blind for the last 17 years of his life, (\*) these were his most productive years, as little could stop this inventor of the phi function, the imaginary unit *i*, and the constant *e*. FTP, name this Swiss mathematician.**

ANSWER: Leonhard Euler

(Note to moderator: accept the Euler-as-in-“rhymes with ruler” faux - pronunciation as correct, but give several stern, reproachful looks at the answerer.)

TOSSUP 20 (Pop Culture / Sports):

**"I drink to prepare for a fight. Tonight, I am very prepared." "The speed of your fingers is no match for the strength of my fists." "I'll give you a TKO from Tokyo!" These quotes, along with (\*) Von Kaiser, Super Macho Man, King Hippo, and Little Mac, all appear in, FTP, what classic 1987 Nintendo game?**

ANSWER: Mike Tyson's Punchout! (prompt on "Soda Popinski" on very early buzz)

TOSSUP 21 (Fine Arts):

**This Canadian-born architect put himself through architectural school by working as a truck driver. He has pioneered what he call “cheapskate” architecture, (\*) utilizing unpretentious materials such as plywood, chain – link fencing, corrugated cardboard, and cinder block. FTP, name this giant of postmodern architecture, with buildings such as the Loyola Law School in LA and the California Space museum to his credit, in addition to the new Guggenheim Museum in Bilbao.**

ANSWER: Frank O. Gehry

TOSSUP 22 (Literature)

**This work includes such chapter titles as “The Old Woman’s Story”; “The Adventures of our two travelers with two girls and two monkeys, and what happened to them among the savage Oreillons” (\*) ; “What they saw in the country of El Dorado”; and “Cunegonde’s story”. FTP name this 1751 novel, subtitled “Optimism,” by Voltaire.**

ANSWER: Candide, or Optimism

TOSSUP 23 (Fine Arts):

**Jaws. Home Alone. Nixon. Close Encounters of the Third Kind. Schindler’s List. (\*) Jurassic Park. ET. Superman. JFK. FTP, name the composer of the preceding film scores, as well as “Summon the Heroes” for the Olympics and the music for the Star Wars series.**

ANSWER: John Williams

Round 5: Boston College

BONUS 1 (Literature):

Given the plot summary, name the short story FTPE.

A) A young man takes a short walk with the devil one night and realizes that evil and corruption are rampant in Salem. When he also sees that his wife Faith is in with Satan, he becomes permanently cynical.

ANSWER: Young Goodman Brown by Nathaniel Hawthorne

B) The wealthy title character, whose name nobody knows, dies abruptly while on a Mediterranean cruise. His wife and daughter are traumatized but nobody else seems to care.

ANSWER: The Gentleman from San Francisco by Ivan Bunin

C) A young man of a primitive culture explores the forbidden "Place of the Gods," which is actually the ruins of Washington DC. He gradually discovers that its inhabitants were not gods, but men, and that they destroyed each other with fire.

ANSWER: By the Waters of Babylon by Stephen Vincent Benet

BONUS 2 (Science):

Answer these questions about solid state chemistry FTPE.

A. What is the name of the energy required to separate an ionic crystal into its component, gas phase ions?

Answer: Lattice Energy

B. Lattice energies are difficult to calculate directly experimentally, but there is a good way to do it indirectly, invoking Hess' Law which states that energy change for a process is independent of pathway. What is the name of this method, named after the two scientists who developed it?

Answer: Born-Haber Cycle

C. In theoretical calculations of lattice energies, the electrostatic interactions between ions depend on the lattice type. The lattice type appears in calculations as a constant, which can be expressed as an infinite series of attractions and repulsions. Name it.

Answer: Madelung constant

BONUS 3 (Geo / Soc.):

FTP, given the real name of a city, tell what it is commonly referred to by us "ugly" Americans. 15 points on the first clue, but only 5 points if you need the country, you stupid American.

A) [15] Praha

[5] Czech Republic

ANSWER: Prague

B) [15] Baile Atha Cliath

[5] Ireland

ANSWER: Dublin

BONUS 4 (History):

Answer these questions about Henry VII of England FTSNOP.

[10] For 10, who did Henry VII defeat at the Battle of Bosworth Field to claim the throne?

ANSWER: Richard III or Richard Duke of Gloucester

[10] Henry VII had two other children besides Henry VIII. F5P apiece, name them.

ANSWER: Margaret, Arthur

[10] Margaret and Arthur married into royalty. F5P each, name their respective spouses.

ANSWER: James IV of Scotland, Catherine of Aragon

BONUS 5 (Fine Arts):

FTPE name the sculptor of each piece.

A) [10] "The Little 14 Year Old Dancer"

ANSWER: Edgar Degas

B) [10] "The Burghers of Calais"

ANSWER: Auguste Rodin

C) [10] "Soft Toilet"

ANSWER: Claes Oldenburg

BONUS 6 (General):

FTPE, name these Herculean chess grandmasters.

A) From 1886-94, this Austrian ruled over the chess world as the first official World Champion.

ANSWER: Wilhelm Steinitz

B) The greatest Cuban chess player of all time, this grandmaster was World Chess Champion from 1921 to 1927.

ANSWER: Jose Raul Capablanca

C) A physically intense man who trained for matches by locking himself inside basements with Russian soldiers who blew cigar smoke in his face for hours on end, he went on to found the Soviet chess school which has dominated World Chess ever since, and was himself World Chess Champion from 1948-1963.

ANSWER: Mikhail Botvinnik

BONUS 7 (Pop / Sports):

Since June 1 of this year, 6 certified Men's track and field world records have been set. See if you can "go the distance" and name these record – breakers from the man whose record they broke F15P apiece, 10 points if you need the distance or distances.

A) [15] Butch Reynolds

[10] 400 meter dash

ANSWER: Michael Johnson (prompt on "Johnson")

B) [15] Noureddine Morceli (more – CELL – ee)

[10] The mile AND the 2000 meter run

ANSWER: Hicham El Guerrouj (gare – ROUGE)

BONUS 8 (Myth):

Identify these critters from Norse mythology FTSNOP.

A) For 5 each, the two ravens of Odin, whose names mean "thought" and "memory."

ANSWER: Hugin and Munin

B) For 10, this hound of Helheim is the Norse equivalent of Cerberus. He is sometimes conflated with the wolf Fenris.

ANSWER: Garm

C) For 10, this dragon is constantly gnawing at the foot of the world ash tree. Its name means "tearer of corpses."

ANSWER: Nidhogg

BONUS 9 (Fine Art)

Name this man, 30-20-10.

[30] Some of this artist's most recent work includes the series "Landscapes in the Chinese Style" which toured a number of major American museums in 1997.

[20] He is better known for a series of paintings from the 1960s in which he made light-hearted parodies of famous works by Cezanne, Mondrian, Picasso, and others.

[10] This pop artist is best known for works such as "Drowning Girl," "The Kiss," and "Wham!" which exhibit his style based upon comic strip art of the 1950s and '60s.

ANSWER: Roy Lichtenstein

BONUS 10 (Literature):

FTP apiece, answer these questions about everyone's favorite category, 18th century British stuff.

A) [10] This English critic whose intense hatred of Scotland, despite the fact that one of his closest friends was from Scotland, is evident in the quote, "The noblest prospect which a Scotchman ever sees is the high road that leads him to England." He's probably more famous for writing *The Lives of the Poets*.

ANSWER: Dr. Samuel Johnson (prompt on Johnson)

B) [10] This member of Johnson's circle was principally known for his portraits of the English aristocracy, often immortalizing them according to Classical traditions.

ANSWER: Sir Joshua Reynolds

C) [10] This other member of Johnson's circle, was the author of "Woman," but, much more notably, of the "Deserted Village."

ANSWER: Oliver Goldsmith

BONUS 11 (Science):

Name these classes of square matrices FTPE.

A) In a complex field, this is a square matrix which is equal to the conjugate of its own transpose; it is used in quantum mechanics to represent an observable quantity.

ANSWER: hermitian

B) This is a square matrix  $A$  such that for some integer  $n$ ,  $A$  to the  $n$  is the identity matrix.

ANSWER: idempotent (do not accept "nil-potent")

C) This is a matrix such that for any  $m$  and  $n$ , the element in row  $m$  and column  $n$  is equal to zero unless  $m$  equals  $n$ .

ANSWER: diagonal

BONUS 12 (History):

American. War. Quotations. Ten points apiece. Perform.

A) [10] At the battle of Bunker Hill this commanding officer is reported to have said, "Don't fire until you see the whites of their eyes."

ANSWER: William Prescott

B) [10] On his death bed he said "Let us cross over the river and rest under the shade of the trees."

ANSWER: Thomas Jackson OR "Stonewall" Jackson (prompt on Jackson)

C) [10] "You may fire when you are ready, Gridley."

ANSWER: George Dewey

BONUS 13 (Current Events):

FTP each, answer these questions about Mexican politics.

A) [10] On November 7th, millions participated in the first one of these in Mexican history, replacing the former squatting type system that prevailed for 70 years.

ANSWER: Presidential Primary Election

B) [10] Name this former interior minister of Mexico, the "official" candidate of the Institutional Revolutionary Party, or PRI.

ANSWER: Francisco Labastida Ochoa (prompt on Ochoa)

C) [10] Name the 47 year old governor of Tabasco that was expected to give Labastida a strong challenge.

ANSWER: Roberto Madrazo

BONUS 14 (Philosophy):

Answer these following questions concerning a certain philosophical work FTPE.

A) Subtitled "On Education," this 1762 work describes the raising of a boy according to the "principles of nature."

ANSWER: Emile

B) Name the author of *Emile*.

ANSWER: Jean-Jacques Rousseau (roo-SOH)

C) Name the book which is to be Emile's first and most beloved book, though this is only after a censoring of certain "barbarous" scenes involving piracy and other immoral activity in its first fifty pages.

ANSWER: Robinson Crusoe

BONUS 15 (Science):

Name these enzymes involved in DNA replication, ten points each.

A) This enzyme unwinds and separates the two strands at the replication fork.

ANSWER: helicase

B) This enzyme adds bases one at a time on the leading and lagging strands.

ANSWER: DNA polymerase III (prompt on partial answer)

C) This enzyme is responsible for joining the Okazaki fragments on the lagging strand after DNA polymerase I fills in the gaps between the fragments.

ANSWER: ligase



BONUS 16 (History):

Oh, those wacky communists! FTSNOP, answer these questions about specific Soviet statesmen.

[10] Ten points: the murder of this head of the Leningrad party organization was chiefly responsible for the arrest of 6 – 7 million Russians.

ANSWER: Sergei Kirov

[10] FSP apiece, name these two men, implicated in Kirov's murder, and hence put on the first show trial for the subversion of the party and alleged conspiracy with the then exiled Trotsky.

ANSWER: Lev Kamenev, Grigori Zinoviev

[10] Along with Alexander Blok and others, this poet believed in "art for art's sake" and was the most politically active artist after 1917. He threw himself into propaganda work and helped develop an avant-garde revolutionary theater. FTP, name this poet who was overtaken by depression and disillusionment and committed suicide in 1930.

ANSWER: Vladimir Mavakovsky

BONUS 17 (Pop Culture / Sports)

Answer questions about the best thing to come out of Georgia since Jimmy Carter, the band REM. Given two songs, you'll receive 15 points if you can name the REM album on which they were first released, and 10 points if you need an additional pair.

A) [15] Radio Song and Belong

[10] Shiny Happy People and Losing My Religion

ANSWER: Out of Time

B) [15] Shaking Through and We Walk

[10] Catapult and Radio Free Europe

ANSWER: Murmur

BONUS 18 (Literature)

Name the following works by Thomas Hardy, 10 points apiece.

A) Hardy's last novel, published in 1895, it caused a great public outrage because of its frank treatment of illicit love between the title character and the beautiful Sue Bridehead.

ANSWER: Jude the Obscure

B) This novel concerns itself with the rape of a country peasant girl, rejection by her husband, and her ultimate execution for murder.

ANSWER: Tess of the D'Urbervilles

C) This poem is a conversation between dead people in a graveyard about the noisy racket caused by war.

ANSWER: Channel Firing

BONUS 19 (Science):

Identify these terms from circuit design FTPE.

A) This quantity is the complex combination of resistance and reactance; its value indicates both the dissipative and conservative voltage response of a circuit element to a given current according to Ohm's law.

ANSWER: impedance

B) This theorem states that any two-terminal combination of voltage sources and passive linear circuit elements is equivalent to a single voltage source in series with a single complex impedance.

ANSWER: Thevenin's Theorem

C) Also called a trimmer, this is a three-terminal device with a constant resistance between two of the terminals and a sliding contact on the third enabling a variable resistance to be obtained.

ANSWER: potentiometer

BONUS 20 (History):

FTP apiece, answer these questions about Nazi bad guys.

A) This foreign minister until February 4, 1938, although pictured in an SS uniform, was never a Nazi and was eventually replaced by Joachim von Ribbentrop.

ANSWER: Constantin Freiherr Von Neurath

B) After being ousted by Scheicher in 1932 he convinced President Hindenburg to create a government of national concentration with Adolf Hitler as Chancellor and himself as vice – chancellor.

ANSWER: Franz von Papen

C) This military man joined the NSDAP in 1920 and received serious wounds in the Beer Hall Putsch, for which he received treatments by heroin. In 1933 he became part of the Government of national concentration as “minister without portfolio.”

ANSWER: Hermann Goering

BONUS 21 (Current Events):

On a 30 – 20 – 10 basis, give the college or university described from current happenings.

[30] On October 30th, Matt Downin led this university to a Big Ten Conference Championship in cross country, winning his second straight individual title.

[20] Scott Southworth’s refusal to pay 331.50 in “student activity fees” to this establishment of higher learning has provoked dozens of “friend of the court” briefs that arrived in the Supreme Court this November.

[10] Current Heisman trophy favorite Ron Dayne is this university’s all time leading rusher.

ANSWER: The University of Wisconsin at Madison

BONUS 22 (Literature):

FTP each, identify the terms defined by the following quotes from Ambrose Bierce’s “Devil’s Dictionary.” (Hint, they all begin with the same letter.)

A) A member of a large and powerful tribe whose influence in human affairs has always been dominant and controlling.

ANSWER: idiot

B) In New York, one who does not believe in the Christian religion; in Constantinople, one who does.

ANSWER: infidel

C) A person who makes an ingenious arrangement of wheels, levers, and springs, and believes it civilization.

ANSWER: inventor