

MIT's Beaver Bonspiel 5 - Oct. 24, 1998

ROUND 2

Packet by Cornell University (Prasun Ray and John Nolan) & Swarthmore
B

TOSSUPS

TOSSUP 1

Bertrand Russell said that this man was "the noblest and most lovable of the great philosophers. Ethically, he is supreme." Born in 1632, this philosopher was excommunicated from his synagogue, because of his radical views. His early works include "Short Treatise on God, Man, & his Well-being". FTP, identify this Dutch philosopher, most famous for his work, "Ethics".

ANSWER: Baruch SPINOZA

TOSSUP 2

When a current carrying conductor is placed in a magnetic field, a voltage is generated in a direction perpendicular to both the current and the magnetic field. FTP, the statement above describes what classical effect, which results from the deflection of charge carriers to one side of a conductor as a result of the magnetic force, and is named after its 1879 discoverer.

ANSWER: The HALL Effect (Do not accept prefaced by "quantum", "integer" or "fractional")

TOSSUP 3

This Austrian-American film director made more than thirty films in the U.S. and Germany. Some of his films made in the U.S. include "Fury" and "You Only Live Once". His German masterpieces include "Die Nieblungen (NEE-Blung-en)" and "The Last Will of Dr. Mabuse", which attracted the attention of Joseph Goebbels (GER-bels). FTP, name this director of "M".

ANSWER: Fritz LANG

TOSSUP 4

This practice, first observed during World War One, is under the authority of the US Congress and the Secretary of Transportation. It is currently NOT observed by Arizona, Hawaii, part of Indiana, and some US territories. For ten points, name this idea of Ben Franklin's, a twice-yearly, energy-saving time change.

ANSWER: DAYLIGHT SAVINGS Time

TOSSUP 5

"Mariana Pineda" and "So Pass Five Years" are two lesser known works by this playwright and poet. Born in 1898, in Granada, this writer studied in New York, and during this time, wrote one book of poems, "Poet in New York." In 1936, he was killed, in the Spanish Civil War. FTP, name this author of "Blood Wedding" and "The House of Bernarda Alba."

ANSWER: Federico GARCIA LORCA

TOSSUP 6

This Greek writer took part in the Persian wars, and subsequently wrote the play, "The Persians", in 472 B.C.E. He introduced the second actor in Greek drama, while reducing the size of the chorus from fifty to fifteen. Of his seven extant plays, "The Suppliants" is the earliest. FTP, name this author of "Seven Against Thebes" and the Oresteia (or-ES-Tee-uh).

ANSWER: AESCHYLUS

TOSSUP 7

This sixteen hundred, eighty mile long river rises in the Kailas range of the Himalayas. It flows from southwest Tibet, through India, to Bangladesh, where it empties into the Bay of Bengal. FTP, name this river, whose Indian name is Sanskrit for "Son of the Hindu god of creation."

ANSWER: BRAHMAPUTRA or YARLUNG ZANGBO

TOSSUP 8

After a brief education at the College of William and Mary, this man was admitted to the bar, and by 1795, his legal abilities convinced George Washington to offer him the position of Attorney General, which he turned down. He did later accept two positions from John Adams. He was Secretary of State in 1800, but he left the cabinet to fill the vacancy left by Oliver Ellsworth. FTP, who was John Adams's 1801 choice for Chief Justice of the United States?

ANSWER: John MARSHALL

TOSSUP 9

This art movement received its name at its first exhibition at the Salon d'Automme (Sa-LON Doh-TUM) in 1905. Characterized by violent and intense color, members of the group included Maurice (Mo-REESE) de Vlaminck, Raoul Dufy (doo-FEE), and Andre' Derain (de-RAN). FTP, name this movement, named by Louis Vauxcelles (voh-SELL), and led by Henri Matisse (on-REE ma-TEESE).

ANSWER: FAUVISM or les FAUVES or the WILD BEASTS

TOSSUP 10

This Spanish-Jewish Philosopher and biblical scholar was born in 1135. He was forced, with other Jews, to flee Spain in 1160, and he settled in Cairo, where he became physician to the sultan. His writings include medical treatises, and commentaries on the Mishnah and Talmud. FTP, name this creator of the Ladder of Tzedakah (tse-DAH-Kah) or Charity and author of "Guide for the Perplexed".

ANSWER: Moses MAIMONIDES (Accept: Moses BEN MAIMON)

TOSSUP 11

This Pope joined the League of Cambrai, in an effort to overcome the republic of Venice, and he formed the Holy League against France three years later. His papacy sanctioned the Treaty of Tordesillas (Tor-de-SEE-yas) in 1506, which moved the Line of Demarcation 800 miles west of where his predecessor, Pope Alexander VI, had positioned

it. FTP, name this Pope, who commissioned Michelangelo to paint the ceiling of the Sistine Chapel.

ANSWER: JULIUS II

TOSSUP 12

This novel, which won the National Book Award for fiction in 1953, ends with the line, "Who knows but that on lower frequencies, I speak for you?" The main character is "not a spook like those who haunted Edgar Allen Poe," but a black man, who travels to Harlem after being expelled from college. He joins a communist group led by Brother Jack, and ends up in a basement, stealing electricity from Monopolarized Light and Power. FTP, name this novel, written by Ralph Ellison.

ANSWER: INVISIBLE MAN (do not accept "The Invisible Man")

TOSSUP 13

If a consumer has well behaved and monotonic preferences, it is possible to plot his indifference curves on an x-y coordinate grid. Graphically, it is now possible to see how much the consumer is willing to give up of good y to acquire more of good x, for any given value of x and y. FTP, economists give this concept, or the measure of the slope of the indifference curve, what common name?

ANSWER: MARGINAL RATE OF SUBSTITUTION

TOSSUP 14

When some of the contents of an aerosol can are released, the temperature inside the can drops. In thermodynamics, one would describe this observation, or any other physical process, in which quantities such as pressure and volume are varied, without any essential transfer of heat energy to the surroundings, as, FTP, what type of process?

ANSWER: ADIABATIC

TOSSUP 15

In 1096, he supervised the passage of the armies of the First Crusade through his territory. Ascending to the throne in 1081, he did much to reduce the damage done to the Byzantine Empire by the Battle of Manzikert. He was succeeded by his son, John the Second. For ten points, name this Byzantine Emperor, and founder of the Comnenan (com-NEN-an) dynasty.

Answer: ALEXIUS COMNENUS or ALEXIUS I or ALEXIUS I COMNENUS (PROMPT: on ALEXIUS)

TOSSUP 16

This composer, born in 1732, worked under the patronage of the Esterhazys (Es-ter-HA-zees). At one time, he was a teacher of Beethoven and a friend of Mozart. Some of his famous works include the Seasons Oratorio and the Miracle Symphony. A central figure of the classical period, he also wrote the Creation Oratorio, and the Surprise and London symphonies. FTP name this composer, who wrote over 100 symphonies.

ANSWER: Franz Joseph HAYDN

TOSSUP 17

This author, born in 1930, is well known for his novels that explore the impact of European culture on African society. A member of the Ibo people, some of his works include "Arrow of God" and "Anthills of the Savannah". FTP, name this Nigerian author of "Things Fall Apart".

ANSWER: Chinua ACHEBE

TOSSUP 18

This play, written in 1669, is a satire of religious hypocrisy in seventeenth century France. Supporting characters include the maid, Dorine, and the imperious Madame Oernelle (ex-NELL). The real conflict, which is eventually resolved by King Louis the 14th, is caused when Orgon sees the title character's attempted seduction of his wife. FTP, identify this play, by Moliere.

ANSWER: TARTUFFE ou L'Imposteur

(Prompt on "L'imposteur" or "The Impostor")

TOSSUP 19

Two players from this school have won the Heisman trophy. Quarterback Pat Sullivan won in 1971 and in 1985, Iowa quarterback Chuck Long was narrowly defeated by running back Bo Jackson. Other famous athletes who attended this university are Frank Thomas and Charles Barkley. FTP, name this Southeastern Conference school, whose football team was, until October 22, coached by Terry Bowden.

ANSWER: AUBURN University

TOSSUP 20

Detection of this bacteria has recently been made easier, by the development of Pulsed Field Gel Electrophoresis. This breakthrough will allow for public officials to identify outbreaks of toxic strains of this bacteria, such as O157, which sickens twenty thousand people in the U.S. each year. FTP, name this bacteria, which had an outbreak at a popular water theme park in Atlanta this past summer.

ANSWER: E_scherichia COLI

TOSSUP 21

Oak Ridge, McPherson Ridge, Culp's Hill, The Peach Orchard, The Angle, The Wheatfield, Devil's Den, Emmitsburg Road, Taneytown Road, Plum Run, Snyder Farm, Rose Farm, Little Round Top, Big Round Top, Seminary Ridge, and Cemetery Ridge are all, FTP, landmarks associated with this famous Civil War Battle fought on July 1-3, 1863.

ANSWER: The Battle of GETTYSBURG

TOSSUP 22

The Sudeten Mountains in the southwest, the Carpathian Mountains in the southeast, the Odra and Neisse rivers in the west, the Western Bug River in the east. On the northeast the Baltic Sea. For ten points, the above geographical features make up the boundaries of what European Nation?

ANSWER: _POLAND_

BONI

BONUS 1

For five points, given the rock and roll hit of the 1980s name the band and for an additional five, name the album on which the song debuted.

A. Karma Chameleon

ANSWER: _CULTURE CLUB_, _COLOUR BY NUMBERS_

B. You Might Think

ANSWER: The _CARS_, _HEARTBEAT CITY_

C. Walk Like an Egyptian

ANSWER: The _BANGLES_, _DIFFERENT LIGHT_

BONUS 2

Given the works, name the natural philosopher who wrote them, FTPE.

A. Tetrabiblos, Geography, Optics

ANSWER: _PTOLEMY_

B. The Starry Messenger, The Assayer, Dialogue on the Two Chief World Systems

ANSWER: _GALILEO_ Galilei

C. Mysterium Cosmographicum, Astronomia Nuova, Harmonice Mundi

ANSWER: Johannes _KEPLER_

BONUS 3

For ten points apiece name the economic term from its description:

A. Economists use this term to describe a good whose demand increases when its price decreases.

ANSWER: A _GEFFEN_ good

B. This unit free measure, the percent change in quantity demanded divided by the percent change in price, provides an indication of how much the demanded amount of a good responds to a change in price.

ANSWER: _PRICE ELASTICITY OF DEMAND_ or _DEMAND ELASTICITY_-

C. This type of allocation in which each person is on his highest possible indifference curve, given the indifference curve of another person, and where no exchanges exist that are advantageous for either party is said to display this type of efficiency.

ANSWER: _PARETO_ efficiency

BONUS 4

Indeed, the question of President Clinton's impeachment strongly lies in the hands of the House Judiciary Committee. For ten points apiece identify these individuals all associated with the Committee:

A. This congressman, a republican from Illinois is chairman of the Committee.

ANSWER: Rep. Henry _HYDE_

B. This individual, the minority counsel, was called to give a presentation before the Committee on October 5.

ANSWER: Abbe D. _LOWELL_

C. This individual, the majority counsel, was also called to present on the same day.

ANSWER: David P. _SCHIPPERS_

BONUS 5

Given the year in which the Nobel prize was awarded and the discovery, FTP name one of the physicists who received it.

A. 1945, postulation of the exclusion principle.

ANSWER: Wolfgang _PAULI_

A. 1987, Discovery of high temperature superconductivity

ANSWER: J. Georg _BEDNORZ_ or Karl _MULLER_

C. 1937, Discovery of the diffraction of electrons by crystals, confirming de Broglie's hypothesis.

ANSWER: Clinton _DAVISSON_ or George _THOMSON_

BONUS 6

For ten points apiece, name the name the play by Henrik Ibsen, given a brief description:

A. The main character makes Lovborg the victim of her love and hate by burning his manuscript which was his life's work. It ends with the main character commits suicide.

ANSWER: _HEDDA GABLER_

B. This play tells of Dr. Stockmann and his attempts to expose the existence of poisonous water in the town baths.

ANSWER: _ENEMY OF THE PEOPLE_

C. Oswald Alving has returned home to visit his mother, with the intent of marrying the maid, Regine, unaware she is his half-sister.

ANSWER: _GHOSTS_

BONUS 7

How well do you know the Amendments to the U.S. Constitution? For ten points, given the text of the Amendment, you tell me what number it is.

A. "In suits at common law, the right of trial by jury shall be preserved."

ANSWER: _8th_ Amendment

B. "The Congress shall have power to lay and collect taxes on incomes, from whatever source derived, without apportionment among the several States."

ANSWER: _16th_ Amendment

C. "The judicial power of the United States shall not be construed to extend to any suit in law or equity, commenced or prosecuted against one of the United States by citizens of another State or by citizens or subjects of any foreign state."

ANSWER: _11th_ Amendment

BONUS 8

Given the function, name the cell component for ten points apiece.

A. Here, the products of the enzymatic breakdown of nutrients such as glucose are converted into energy in the form of adenosine triphosphate.

ANSWER: _MITOCHONDRIA_

B. Their normal function is digestion of complex nutrients and broken-down organelles.

ANSWER: _LYSOSOMES_

C. These bodies control the arrangement of microtubules in the cell cytoskeleton.

ANSWER: _CENTRIOLES_

BONUS 9

FTP each, name these characters from the Gilgamesh epic.

A. He engaged in an awesome wrestling match with Gilgamesh after which they became the best of friends.

ANSWER: _ENKIDU_

B. In a fight with this monster, Gilgamesh knocked him to the ground where Enkidu cut off his head.

ANSWER: _KHUMBABA_

C. This man who received life everlasting from Enlil, revealed the secret of immortality to Gilgamesh.

ANSWER: _UTA-NAPISHTIM_

BONUS 10

For ten points each, identify the star.

A. The brightest star in the night sky, its name means "the scorcher." Located in the constellation Canis Major, it was described by the

ancients as "red" and "coppery," but today it is observed to be a white star of spectral type A1 V.

ANSWER: _SIRIUS_

B. With spectral type A0 (A-zero) III, it is the sixth-brightest star in the constellation Draco. Unremarkable today, 4,000 years ago it was the North Star.

ANSWER: _THUBAN_

C. The most well-known of the eclipsing-binary type of variable star, it is sometimes referred to as the demon star. Located in the constellation Perseus, it is said in Greek Mythology to represent the eye of Medusa.

ANSWER: _ALGOL_

BONUS 11

FTPE, name these regions of South America.

A. Covering 363,000 square miles, this arid region of northern Chile is bounded on the east by the Andes.

ANSWER: _ATACAMA_ desert

B. This 300,000 sq. mile region in southern Argentina is marked by desert plateaus. The first European to visit this region was Magellan in 1520.

ANSWER: _PATAGONIA_

C. This low and flat alluvial plain covers 647,500 sq. mile region covers parts of Argentina Paraguay, and Bolivia.

ANSWER: Gran _CHACO_

BONUS 12

FTPE, name these literary works which are considered national epics

A. It tells of the conflict between the Pandavas and the Kauravas. It was supposedly written by Veda Vyasa.

ANSWER: _MAHABHARATA_

B. The hero of this epic is Vasco de Gama whose conquest of the east represents the triumph of Portuguese and Christian values.

ANSWER: The _LUSIADS_ or Os _LUSIADAS_

C. It records the actions of five folk heroes, the minstrel, the blacksmith, the adventurer, the hunter, and the serf all of whom are warriors in a primitive society in a time of powerful magic. The epic did not reach its present form until the 19th century when it was compiled by two doctors, Elias Lonnrot and Zacharias Topelius.

ANSWER: The _KALEVALA_

BONUS 13

30-20-10, name the artist from paintings

30. Adoration of the Shepherds, The Disrobing of Christ

20. The Triumph of the Holy League, Assumption of the Virgin

ANSWER: Battle of _MONMOUTH_

10. The Burial of Count Orgaz, The View of Toledo

C. August 16, 1780, South Carolina, Charles Cornwallis (British), Horatio Gates (American)

ANSWER: Battle of _CAMDEN_

BONUS 14

If you're like me, you were interested in dinosaurs at one point in your childhood. Well, how much do you remember? For ten points apiece, answer these questions about dinosaurs.

BONUS 17

Name the author from works (30-20-10).

C. These theropod dinosaurs of the late Cretaceous Period stood not more than six feet in height and bore powerful claws on their feet. Made popular by the movie Jurassic Park, research suggests that these fast and agile dinosaurs hunted in packs.

30. Strange Pilgrims

20. The Funerals of Mama Grande

10. One Hundred Years of Solitude

ANSWER: Gabriel _GARCIA MARQUEZ_

ANSWER: _VELOCIRAPTOR_

B. Stegosaurus, ankylosaurus, ornithomimids, pachycephalosaurs, and ceratopsians are all descendants of this early dinosaur, a small bipedal plant eater with a bony structure projecting down and back from each side of the hips.

BONUS 18

FTP each, identify these terms from labor relations

ANSWER: _ORNITHOMIMID_ dinosaurs

A. Appearing in the early Triassic Period, these crocodile like creatures were the ancestors of the dinosaurs and diversified into a variety of forms known as the thecodont group of reptiles.

A. It is defined as negotiations between employers and employees who are usually represented by a labor union about terms and conditions of employment.

ANSWER: _COLLECTIVE BARGAINING_

ANSWER: _ARCHOSAURS_

B. A collective-bargaining agreement between a trade union and an employer which contains a clause providing that employees shall be union members as a condition of employment.

ANSWER: _CLOSED-SHOP_ Agreement

BONUS 15

5-10-15, Answer these questions about soccer's 1998 World Cup

C. These contracts required employees to not join labor unions.

ANSWER: _YELLOW DOG_ contracts

A. For 5: Which nation won the tournament?

ANSWER: _FRANCE_

B. For 10: This player scored two goals for France in their 3-0 defeat of Brazil

ANSWER: Zinedine _ZIDANE_

C. For 15: This Croatian won the Golden Boot as the leading goal scorer of the World Cup

ANSWER: Davor _SUKER_

BONUS 19

For 15 points each, identify the Egyptian god from a description

A. This evil brother of Osiris was depicted with a beastly head and tail

ANSWER: _SET_

B. The scarab beetle god, he rolled the sun through the sky.

ANSWER: _KHEPRI_

BONUS 16

For ten points apiece, given the date, state, and the British and American commanding officer, name the battle of the American Revolution.

BONUS 20

FTPE Answer the following questions about philosophy

A. October 7, 1777, New York, John Burgoyne (British), Horatio Gates, Benedict Arnold (American)

ANSWER: Battle of _SARATOGA_

A. This branch of philosophy is concerned with the essence and perception of beauty and ugliness

ANSWER: _AESTHETICS_

B. June 28, 1778, New Jersey, Henry Clinton (British), George Washington (American)

B. This branch of philosophy addresses the philosophical problems

surrounding the theory of knowledge. It is concerned with the exact relation between the one who knows and the object known.

ANSWER: _EPISTEMOLOGY_

C. It is the science or doctrine that attempts to explain the universe in terms of ends or final causes.

ANSWER: _TELEOLOGY_

BONUS 21

FTP each, Name the French writer from works

A. "The Temptation of Saint Anthony", "Salamambo"

ANSWER: Gustave _FLAUBERT_

B. "The Conquerors", "Man's Fate", "Metamorphosis of the Gods"

ANSWER: Andre _MALRAUX_

C. "Andromache", "Phaedra", "The Litigants"

ANSWER: Jean _RACINE_

BONUS 22

FTP each, given a symphony number, and its composer, give the commonly used nickname of symphony

A. Tchaikovsky's 6th

ANSWER: _PATHETIQUE_

B. Mahler's 1st

TITAN

C. Saint-Saens' 3rd

ANSWER: _ORGAN_