

Finals packet

Questions by Joon Pahk, Jeff Johnson, Paul Lujan, Vik Vaz, Dave Freeman, David Farris, Willy Jay, Jonah Knobler, Caroline Troy, Anthony de Jesus

TOSSUP 1:

**This subject was the one chosen for the 1401 competition for the design of the doors of the Florence baptistry, won by Lorenzo Ghiberti. Occurring at Moriah in Genesis 22, it also formed the basis for (\*) Soren Kierkegaard's work *Fear and Trembling*. It ends with the death of an unlucky ram and the establishment of the Lord's covenant with the first monotheist. FTP, name this event in which God tests Abraham by asking him to offer up his only son as a holocaust?**

ANSWER: Sacrifice of Isaac by Abraham (accept equivalent statements)

Tossup 2:

**Celebrated on the sixth and seventh days of the month of Sivan [see-VAHN], this holiday originally commemorated the spring harvest. However, it now chiefly serves to commemorate the revelation (\*) of the Torah at Mount Sinai. It is sometimes referred to as Pentecost, since it occurs exactly fifty days after Passover. For ten points, name this important Jewish holiday, and you also give the Hebrew word for "weeks."**

ANSWER: Shavuot [shah-voo-OHT] (accept Pentecost if answered before "Pentecost" is read in the question)

TOSSUP 3:

**Copies of this tale are flourished by characters in European films like Godard's *Breathless* and Wim Wenders' *Kings of the Road*; its translation by Borges influenced the Latin American Boom writers. "Between grief and nothing, (\*) I will take grief" is Harry Wilbourne's famous line as he remembers Charlotte Rittenmeyer in, FTP, what William Faulkner story which alternates in *If I Forget Thee, O Jerusalem* with *Old Man*? ANSWER: The Wild Palms (prompt early on "If I Forget Thee...")**

Toss-up 4:

**This class of chemical compound is an important intermediate in the synthesis of cholesterol, because they can undergo dramatic rearrangement. They are (\*) short lived in solution and very reactive, although they are stabilized by increased substitution. Also present as an intermediate in the S<sub>N</sub>1 reaction, they contain carbon which is sp<sup>2</sup> hybridized with an empty p orbital. FTP, what do you call a species which has a positive charge on carbon?**

ANSWER: carbocation

Tossup 5

**His daughter Germaine married the Swedish ambassador, the Baron de Stael-Holstein, and became a leading figure in the salon movement and Romanticism. Famous in his own right, he requested that the king double the size of the (\*) Third Estate's representation in the Estates-General of 1789. He was fired and re-hired three times, but his *Account Rendered* was widely criticized in 1782. FTP name this Swiss-born finance minister who in 1776 succeeded Turgot (ter-GOH).**

ANSWER: Jacques Necker

TOSSUP 6:

**Chapter titles include "Taking one's proper station," "The dilemma of virtue," and "The child learns." It explores the political, religious, and economic life of its subject country from the seventh to the (\*) twentieth centuries, and its title reflects the culture's obsession with both beauty and death. FTP, name this 1946 book, subtitled "Patterns of Japanese culture," written by Ruth Benedict.**

ANSWER: The Chrysanthemum and the Sword

TOSSUP 7:

**Inhabitants of this country include the Karen, Kochin, and Shan peoples and it is bordered by the Gulf of Martaban. Its name was also the name of the country that the Earl Mountbatten chose to include in his title after the Second World War. (\*) The Bay of Bengal and Thailand are its most prominent neighbors. Home to the rivers Salween and Irrawaddy, FTP, name this country whose capital is Rangoon.**

ANSWER: Myanmar (accept Burma)

TOSSUP 8:

**Hungarian physicist Roland von Eötvös (YOTE-vosh) experimentally verified it to great precision in the 19th century. One statement of it is that if you drop a ball inside a (\*) closed elevator, it is impossible to determine if the elevator is standing still in a uniform gravitational field or is accelerating with no field. FTP, what is this principle, central to Einstein's theory of general relativity, which asserts that gravitational and inertial masses are indistinguishable?**

ANSWER: Principle of Equivalence

TOSSUP 9:

**Dion Rayford, a senior defensive end for the Kansas Jayhawks, was arrested at 2 am on November 17 when he got stuck trying to climb through a drive-thru window because one of these was left out of his order. (\*)** Makes you wonder what they put in it, rather than why they put anything in it at all. FTP, identify this subject of some annoyingly memorable commercials, a new food product from Taco Bell.

ANSWER: chalupa (prompt on early buzz of "Taco Bell"; accept "Drop the chalupa!")

TOSSUP 10:

**In Tom Stoppard's *The Real Inspector Hound*, it is the profession of Moon and Birdboot. In a Richard Brinsley Sheridan play (\*) subtitled "A Tragedy Rehearsed," it is the aspiration of Mr. Dangle, much to the embarrassment of his wife. Jean Sibelius (sih-BALE-ee-us) noted that no statue has ever been erected to one. FTP, what is this profession shared by F.A. Leavis, Nikolai Chernyshevsky (chair-nih-SHEV-skee), the young Bernard Shaw, and John Ruskin?**

ANSWER: Critic

TOSSUP 11:

**Spanish masters of this type of painting include Juan Sanchez Cotan and Luis Melendez; other expert practitioners include the American William Harnett, the Italian Giorgio Morandi, and (\*) Frenchmen Jean Baptiste Chardin and Paul Cezanne. FTP, what generic term covers representations of vessels, books, fruits, & other inanimate objects, called "natur mort" in French?**

ANSWER: still life painting

TOSSUP 12:

**His writing has a character much like a sermon, including the use of many capitalized words and exclamation marks. The Son of a Calvinist stonemason from the village of Ecclefechan, he considered history be the study of (\*) great men, the last of whom was, in his estimation, Napoleon. FTP, name this man who advocated overcoming doubt by the worship of the hero in works such as *Heroes*, *Hero Worship*, and *the Heroic in History*.**

Answer: Thomas Carlyle

TOSSUP 13:

**Identify the following musical piece. [Moderator: play tape.] (\*)** The excerpt is taken from the introduction to a piece whose sections include "Mock Abduction," "Games of the Rival Tribes," and "Ritual of the Ancients." FTP, name this ballet about Russian pagan rituals by Igor Stravinsky.

Answer: The Rite of Spring or Le Sacré du Printemps

TOSSUP 14:

**An all-female leadership race was set up in this nation after Prime Minister Jim Bolger was ousted by his Transport Minister. In last month's balloting, (\*) Helen Clark's Labour Party ousted the incumbent National Party and Prime Minister Jenny Shipley. For 10 points—incoming Prime Minister Clark will receive U.S. Ambassador Carol Moseley-Braun in what Commonwealth nation?**

ANSWER: New Zealand

TOSSUP 15:

**New species of these arboreal mammals from genus *Dendrolagus*, known to local New Guinea peoples as dingiso, tenkile, & weimanke, were introduced to Western science in the 1980s. Most of the genus lives in New Guinea—only one in Australia with its relatives in family Macropodidae. (\*) FTP what are these oddly adapted marsupials whose name sounds like an oxymoron?**

ANSWER: tree kangaroos (prompt on “kangaroos”)

TOSSUP 16:

**Parts 2 & 3 were first registered under the titles *The First Part of the Contention* and *Richard, Duke of York*. Vicious caricatures of Joan of Arc and Jack Cade (\*) enliven Parts 1 & 2 while the 3rd contains the rise of the future Richard III. FTP what is the collective name for this trilogy of history plays, probably Shakespeare's first try at the genre?**

ANSWER: King Henry VI

TOSSUP 17:

**Triggered by the death of Augustus the Strong, this European conflagration mainly resulted in an increase of (\*) Russian influence and the installation of Don Carlos as King of Naples and Sicily. Lasting from 1733 to 1738, its main battle was Bitonto. Ended by a final Treaty of Vienna, FTP, name this war, ostensibly fought over the throne of a large Eastern European nation, which eventually was returned to Stanislaus Leszczynski (le-ZHIN-skee).**

ANSWER: War of the Polish Succession

TOSSUP 18:

**Daryush Mehrjui's *The Cow* in 1969 was the first film from this country to receive international recognition, but it's recent movies like *Gabbeh* (GAH-bay), (\*) *A Taste of Cherry*, and *The White Balloon* by directors like Makhmalbaf, Kiarostami, & Panahi that have made art house hits. FTP what is this country in which students have rioted against clerical opposition to the liberalizing policies of President Khatami?**

ANSWER: Iran

TOSSUP 19:

**Frank Little was lynched in Idaho, Wesley Everest was murdered in Washington, and Joe Hill was executed on a disputed murder charge; all were members of a radical (\*) labor organization founded in 1905 in Chicago. Although Eugene Debs helped to found it, he quickly grew disillusioned with it and left. FTP, name this group led by Big Bill Haywood, nicknamed the Wobblies.**

ANSWER: Industrial Workers of the World (prompt on “Wobblies”)

TOSSUP 20:

**The point in the interior of a triangle which minimizes the sum of the distances to the three vertices. The result that (\*)  $a$  to the  $p$  minus 1 is congruent to 1 modulo  $p$ , where  $p$  is prime. The principle that light will always take the least time to travel from one point to another. FTP, these things are all named for what French mathematician, best remembered for an conjecture finally proven by Andrew Wiles?**

ANSWER: Pierre Fermat

[The named things are the Fermat point, Fermat's “Little” theorem, Fermat's principle of least time, and Fermat's Last “Theorem.”]

TOSSUP 21:

**They are produced by some bacteria to defend against phage invaders, although methylase enzymes protect the host bacteria's own (\*) DNA by adding CH<sub>3</sub> groups at certain sites. G-A-A-T-T-C is the recognition site for a famous one called EcoRI (pronounced “echo R one”). They can leave smooth or sticky ends, although the recognition site is always a complementary-symmetric sequence. FTP, name these enzymes used in recombination technology to splice DNA.**

ANSWER: restriction endonucleases or restriction enzymes

TOSSUP 22:

**A Swiss arms dealer handed over a half million dollars to a high German political official in a shopping mall in 1991. This reputed kickback by Karlheinz Schreiber has embroiled Germany (\*) in a political scandal not seen since the time of Willy Brandt. FTP, name the man who stands accused by his former party of arranging the transaction, the former Christian democrat chancellor.**

ANSWER: Helmut Kohl (accept Germany before the word is mentioned in the question)

TOSSUP 23:

**His theory of language's origin has been called "a combination of Chomsky and Darwin." Like Chomsky he believes in a universal (\*) grammar and an innate language organ in the mind. Like Darwin, he believes that language evolved as a consequence of natural selection. He is perhaps most famous for his New York Times Bestselling books on language and the mind. Name this MIT psycholinguist who authored "How the Mind Works" and "The Language Instinct."**

ANSWER: Steven Pinker

Finale

BONUS 1:

Identify these short works of Aleksandr Pushkin from descriptions FTPE.

A) This story concerns the gambler Hermann and his obsession with finding a guaranteed winning strategy. It became the basis for an opera by Tchaikovsky.

ANSWER: The Queen of Spades or Pikovaya dama (Do not accept "La Pique-Dame")

B) One of Pushkin's so-called "Little Tragedies," this is a version of the Don Giovanni story. Its title refers to the Commandatore.

ANSWER: The Stone Guest

C) This collection of pseudonymous stories includes "The Shot" and "The Blizzard."

ANSWER: The Tales of (the Late Ivan Petrovich) Belkin

BONUS 2:

An extremely wealthy Lebanese businessman was murdered this week. FTPE:

A. Name him.

ANSWER: Edmond Safra

B. Name the bank that Safra founded.

Answer: Republic National Bank of New York

B. Name the republic in which he and his family were killed.

Answer: Monaco

BONUS 3:

Consider a simple binary tree with three elements: the root has key 1, its left leaf key 2, and the right leaf a key of 3.

Answer the following questions for ten points each:

a) What output would an inorder traversal of this tree produce?

Answer: 2, 1, 3

b) What kind of traversal would you have to make to get the output 3, 2, 1?

Answer: converse postorder

c) Assuming this is a tree of unsigned integers, what value would you have to change the left leaf to in order to make this a binary search tree?

Answer: zero

BONUS 4:

Answer these questions about musical pieces in five-four time FTPE.

A. The first movement of a Gustav Holst suite begins with the strings using the back sides of their bows to play a rhythm in 5/4 time that plays almost constantly throughout. FTP, name the movement.

ANSWER: Mars, the Bringer of War

B. This Tchaikovsky symphony is unusual not only because the second movement is a waltz in five-four time, but also by the fact that the usually rousing finale is replaced by a melancholy Adagio.

ANSWER: Symphony no. 6, or "Pathétique"

C. It is said that the dancers rehearsing for the premiere of this Maurice Ravel ballet had such a hard time negotiating the 5/4 section that someone had to stand offstage and shout the name of their choreographer in time with the music: "SER-gei DIA-gha-lev, SER-gei DIA-gha-lev"

ANSWER: Daphnis et Chloe or Daphnis and Chloe

BONUS 5:

Identify the following masters of Japanese woodblock prints from their works FTPE.

A) *Thirty-Six Views of Mount Fuji* (1826-33), including *The Breaking Wave off Kanagawa*

ANSWER: Katsushika Hokusai

B) *Views of Edo, Fifty-three Stages on the Tokaido Road, Sixty-Nine Stages of the Kiso Highway*

ANSWER: Ando Hiroshige

C) 146 prints published May 1794 to January 1795, including 136 of his famous actor portraits

ANSWER: Toshusai Sharaku (prompt on "Toshusai")

BONUS 6:

Job hunt not going well? Try these: given an excerpt from a fictionalized employment ad, identify which mythological figure has just been fired, FTPE.

A) The ad reads: "Security guard wanted to watch over lovely maiden priestess. Must be extremely vigilant." Sounds cushy, but you call and find out that the most recent holder of the job was lulled to sleep, killed, and turned into a peacock.

ANSWER: Argus (prompt on "Panoptes")

B) Here's one that sounds fun: "Courier needed to relay insults between eagle and dragon. Must be nimble and comfortable scampering up and down very tall ash trees."

ANSWER: Ratatosk, the Squirrel of Discord

C) "Wanted: wise and resourceful individual capable of inventing the arts, science, and hieroglyphics." Seems manageable, but you discover that the last guy quit when he got tired of wearing that ibis-shaped mask all day long.

ANSWER: Thoth

BONUS 7:

Given the quark composition of a particle, identify the particle, for ten points apiece.

a) Up, strange-bar

Answer: K+ (kay plus)

b) Strange, strange, strange

Answer: omega- (omega minus)

c) Bottom, bottom-bar

Answer: upsilon

BONUS 8:

Answer the following about works of American literature dealing with the Vietnam War, none of which feature lovably retarded conservative icons.

A) This book of war reportage by Michael Herr is famous for its kinetically disconnected prose.

ANSWER: Dispatches

B) He abandoned Harvard grad school as his writing career took off. Works include *If I Die in a Combat Zone, Box Me Up and Ship Me Home*, *Going After Cacciato*, and *The Things They Carried*.

ANSWER: Tim O'Brien

C) This National Book Award-winning novel by Robert Stone was filmed in 1978 as *Who'll Stop the Rain?*.

ANSWER: Dog Soldiers

BONUS 9:

Human civilizations have often featured specially trained courtesans. Identify the following FTPE.

A) The elite of female hired companions in Japan, they are **not** expected to sleep with customers.

ANSWER: geisha

B) The Korean equivalent of geisha, several of them became famous vernacular poets

ANSWER: kisaeng

C) Pericles' companion Aphasia was one of these, who were allowed public lives forbidden respectable Athenian women.

ANSWER: heteara (singular) or heteaerae (plural)

BONUS 10:

Geography and Scrabble combine in this bonus. Identify these unusual two-letter words found in the Official Scrabble Players Dictionary™ FTPE. Please spell your answers.

A) This extremely useful word is defined as a unit of Vietnamese currency.

ANSWER: XU

B) One of the few words with no consonants, it is defined as a whirlwind of the Faroe Islands.

ANSWER: OE

C) Chemical element abbreviations and proper names don't count, so the official definition of this word is "an East Indian tree."

ANSWER: AL

BONUS 11:

Don't you hate it when famous authors get their facts all wrong? Identify the following works FTPE.

A) This Shakespearean play suffers from one notable geographic flaw: half of it is set on the coast of unfortunately landlocked Bohemia.

ANSWER: The Winter's Tale

B) This sonnet accredits "stout Cortez" with his "eagle eyes" as the first to view the Pacific, when in fact the first European to do so was Balboa. Talk about "poetic license."

ANSWER: On First Looking into Chapman's Homer by John Keats

C) You may be led to think that Thomas Mallon's most famous novel is a work of speculative fiction, but it's actually about life in Owosso, Michigan in 1948. Name this counterfactually-titled novel.

ANSWER: Dewey Defeats Truman

BONUS 12:

Identify the following terms concerning feudalism FTPE.

A) Originating in the Carolingian empire for a warrior who had sworn a specific oath of allegiance to the emperor, this term eventually came to mean any sworn underling in the feudal system.

ANSWER: vassal or vassi dominici

B) The most common type of serf in the early Middle Ages was a direct continuation of the peasant of the Roman empire who had been given a piece of public land on the condition that he and his heirs would cultivate it and never leave it. Give the name for this type of worker.

ANSWER: colonus or coloni

C) The primary distinction between the free and the unfree was for centuries indicated by the presence or absence of the obligation to pay a fee to one's lord when marrying off a daughter to another family. FTP name this fee.

ANSWER: merchet

BONUS 13:

Identify these unpleasant places mentioned in the Bible FTPE.

A) According to Psalm 23, it's not a great place to go walking. In *Pilgrim's Progress*, it is full of Hobgoblins, Satyrs, and Dragons of the Pit.

ANSWER: Valley of the Shadow of Death

B) This fiery place, mentioned by Mark and also by Matthew in the Sermon on the Mount, is apparently so unsavory that it's better to go without a hand, foot, or eye than risk heading there.

ANSWER: Gehenna

C) Often translated as simply "the nether world," it is the Hebrew term for the underworld where the insubstantial souls of dead people went.

ANSWER: Sheol

BONUS 14:

It's not hard to imagine a riot when you put Pat Buchanan, the Teamsters, the Sierra Club, and the Ruckus Society together—but on the same side? Answer the following FTSNOP

A) FTP, they are protesting the power of what international regulatory body?

ANSWER: World Trade Organization (prompt on "WTO")

B) F5P, by what acronym was the WTO formerly known?

ANSWER: GATT

C) F5P, what city have the protests disrupted?

ANSWER: Seattle

D) FTP, what Washington governor sent the National Guard into Seattle?

ANSWER: Gary Locke

BONUS 15:

In 1950, two men shared the Nobel prize in chemistry for their work on the reactions of conjugated dienes with alkenes. Answer the following about their work FTPE.

A. All or nothing, name both of them.

Answer: Otto **Diels**, Kurt **Alder**

B. A surprising thing about the Diels -Alder reaction is that has no step-wise mechanism. What is the term that refers to a chemical reaction where multiple electron pairs shift in a single step?

Answer: **concerted**

C. The Diels Alder reaction is an example of a cycloaddition, one of a class of reactions known as pericyclic reactions. In another pericyclic reaction, a single molecule rearranges itself so that its total number of pi bonds is unchanged, but an allylic sigma bond appears to migrate from one end to the other end of the molecule. Name this type of reaction.

Answer: **sigmatropic**

BONUS 16:

Answer the following questions about an American historical figure FTPE.

A) Who was burned in effigy when Jeffersonian Republicans took umbrage at his 1794 treaty with England?

ANSWER: John **Jay**

B) Jay authored five of the Federalist papers under what pseudonym?

ANSWER: **Publius**

C) As a delegate to the first Continental Congress, in 1774 Jay drafted what document stating the claims of the colonists?

ANSWER: The **Address to the People of Great Britain**

BONUS 17:

Identify these related painters, for ten points each.

A) His 1912 painting *Le Toréro* is an example of Simultanéisme, a method of showing several views of the same subject in a single picture. He is better known as a co-founder of Cubism.

ANSWER: Pablo **Picasso**

B) Born Jose Victoriano Gonzalez, this painter of an *Homage to Picasso* is identified with Synthetic Cubism

ANSWER: Juan **Gris**

C) For a while, Juan Gris influenced this French-born Cubist. Name the first living artist exhibited in the Louvre, whose works include many still lifes and *Houses at L'Estaque*.

ANSWER: Georges **Braque**

BONUS 18:

There were a number of interesting pitching appearances by infielders in baseball this season. Identify these occasional hurlers for 15 points from the first clue, or 5 if you need an easier one.

A) [15] This knuckleballing third baseman made his first pitching appearance since throwing a scoreless inning for the Yankees in 1997.

[5] He is probably better known for smashing a 3-run homer for his 3000th career hit earlier in the same week.

ANSWER: Wade **Boggs**

B) [15] He actually made two pitching appearances this year. In the second, on July 2, he allowed a three-run dinger to the Braves' Gerald Williams before retiring the last two Atlanta batters of a 16-0 blowout.

[5] In that game, he relieved a Mets closer of the same surname. He also set the major league record with 17 pinch walks this season.

ANSWER: **Matt Franco**

BONUS 19:

Identify the biological hypothesis, ten points each.

a) The hypothesis that the various interacting systems of the Earth can be regarded as a single self-regulating organism.

Answer: the **Gaia** hypothesis

b) The hypothesis that evolution occurs not continuously, but rather in bursts associated with new species creation.

Answer: **punctuated equilibrium**

c) The hypothesis that humans (and other animals) are biologically conditioned to sacrifice themselves for the good of other close relatives.

Answer: **nepotism**

BONUS 20:

Answer these questions on musical terminology for ten points each.

A) This type of composition is a quick-tempo, lively, mischievous piece intended as a "musical joke." A famous one appears as a movement in Beethoven's Ninth Symphony.

ANSWER: **scherzo**

B) This term refers to a composition featuring two themes of contrasting character. The themes are introduced in the exposition, then developed in remote keys, and finally brought back in a recapitulation at the end. The same term also names a piece of several movements, the first of which traditionally is written in this form.

ANSWER: **sonata**-allegro form

C) If a triad is inverted so that the third is the root, below the tonic and the fifth, name the new position of the triad.

ANSWER: **first inversion** or **six-three**

BONUS 21:

Given the wielder, name his famous sword FTPE.

A) Arthur Pendragon

ANSWER: **Excalibur**

B) Roland, in the Song of Roland

ANSWER: **Durendal**

C) Aragorn son of Arathorn, in the Lord of the Rings

ANSWER: **Anduril**

BONUS 22:

Francis Bacon, Roger Bacon, Kevin Bacon, or none of the above? FTPE, which:

A) belonged to the Franciscan order?

ANSWER: **Roger**

B) wrote *Institutes of the Christian Religion*?

ANSWER: **none** (John Calvin)

C) co-starred with John Candy in *Canadian Bacon*?

ANSWER: **none**