**HSAPQ Tournament #53**

**Packet 8 Tossups**

1. **One short story by this author features the Shtchevbakoff and Chormoi families fighting over a chicken. In another story by this author, the Bashkirs present Pahom with an unusual deal. This author of "Quench the Spark" and "How Much Land Does a Man Need?" wrote a novel about Pierre (\*)** Bezukhov which follows the Rostov family during the Napoleonic Wars. He also created a woman who has a disastrous affair with Count Vronsky. For 10 points, name this Russian novelist of *War and Peace* and *Anna Karenina*.

ANSWER: Leo **Tolstoy** [or Lev Nikolayevich **Tolstoy**]

2. **This man condemned an opponent who "marks each one of us out with his eyes for murder." After the murder of Publius Clodius Pulcher near Bovillae, this man defended his friend in *Pro Milone*. Plutarch names Herennius as the killer of this man, who had his tongue stabbed repeatedly with a pin by Fulvia, the wife of (\*)** Mark Antony. This man exclaimed "how long will you abuse our patience" in a speech condemning a Senator who attempted to overthrow the Republic in 63 BCE. For 10 points, name this issuer of four Catiline Orations, a Roman consul and orator.

ANSWER: Marcus Tullius **Cicero** [or **Tully**]

3. **The Hawaiian myth of this type is called the Kumulipo and features the separation of Ao and Po, who are called Rangi and Papa in New Zealand. According to the Pelasgians, this event occurred after Ophion coiled around an egg laid by Eurynome. In Norse mythology, this event began when Niflheim met Muspellheim and formed the giant (\*)** Ymir. Erebus and Gaia came into existence after Chaos during this event, as described in Hesiod’s *Theogeny*. For 10 points, name this event which is completed in six days in the Book of Genesis.

ANSWER: **creation** of the world [or **origin** myth; or **etiological** myth; or **cosmogony**; or **creation** of humans; or obvious equivalents mentioning the **creation** of the **universe**, of **man**kind, or of the **Earth**; or **theogeny** until mentioned]

4. PUT A BIOLOGY TOSSUP HERE

5. **A court case from this state involved a man arrested for displaying an obscene message about the draft on his jacket and was *Cohen v.* this state. Lewis Powell's opinion in a case arising from this state was later used by the Supreme Court in *Grutter v. Bollinger*, and found that the state's compelling interest in diverse classrooms allowed non-quota (\*)** affirmative action programs for medical school admissions. Allan Bakke sued a university in this state, which Earl Warren served as governor. For 10 points, name this state where the 9th Court of Appeals is headquartered in San Francisco.

ANSWER: **California**

6. **Performing this operation on a Dirac delta function yields one. Green's theorem relates the "line" and "double" forms of this operation. The LIATE (L I A T E) rule is used when performing this operation "by parts". The addition of a constant term is required when performing the (\*)** "indefinite" form of this operation. This operation is equivalent to taking a Riemann sum with an infinite number of regions. For 10 points, identify this operation that is visualized by measuring the area under a curve.

ANSWER: **integration** [or obvious equivalents, such as **taking an integral**; prompt on **anti-derivative**]

7. **In one of this artist’s paintings, an optical trick makes a woman staring at the viewer from behind a counter appear to be conversing with a man in a top hat in the large mirror on the wall behind her. This artist depicted Victorine Meurent in a painting of a reclining nude (\*)** prostitute with a black ribbon tied around her neck, as well as in a painting showing two fully clothed men sitting with a nude woman at the title event. For 10 points, name this French painter of *Olympia* and *Luncheon on the Grass.*

ANSWER: Edouard **Manet**

8. **This poet wrote of “what mighty contests rise from trivial things” and “what dire offence from am’rous causes springs” in one poem. In another poem, he coined the sayings, “To err is human, to forgive divine,” and “A little learning is a dang’rous thing.” This poet of *An Essay on Man* and *An Essay on Criticism* also wrote of a squadron of (\*)** sylphs’ failure to protect Belinda from the Baron’s scissors in a mock-epic in five cantos. For 10 points, name this Augustan poet of *The Rape of the Lock.*

ANSWER: Alexander **Pope**

9. **The “bigu” form of this practice in Taoism allows for one to become enlightened. Prior to Passover, practitioners of Judaism take part in this practice in honor ''of the Firstborn,'' which ends with the taking of the siyum. Sikhism condemns this practice, and Hindus primarily take part in this practice on Tuesdays and Thursdays. Catholics are known to do this thing on (\*)** Ash Wednesday and Good Friday. One of these practices for Muslims ends on Eid al-Fitr. For 10 points, name this practice, observed during sunlight hours in the month of Ramadan.

ANSWER: **fasting** [or obvious equivalents]

10. **A character played by this actor tells a “Marshland Medea” that she should “probably kill herself.”He plays Connor Mead, a womanizer who is haunted by his past one-night stands, in the movie *Ghosts of Girlfriends Past*. A character played by this actor is a former rodeo star who befriends Rayon, a (\*)** transvestite played by Jared Leto. This actor recently co-starred with Woody Harrelson in the HBO series *True Detective*. For 10 points, name this actor who won the Best Actor Oscar for his role in *Dallas Buyers Club*.

ANSWER: Matthew **McConaughey**

11. **This ruler was able to annex Ingria through the Peace of Stolbova, which helped block Russian access to the Baltic Sea. This man’s advisor Axel Oxenstierna effectively took power after his death. This monarch used linear tactics to defeat Johann von (\*)** Tilly’s Catholic League forces at Breitenfeld in 1631. For 10 points, name this Swedish Protestant king, who died at the Battle of Lutzen during the Thirty Years’ War.

ANSWER: **Gustavus Adolphus** [or **Gustav II**; or **Gustav Adolf**; prompt on partial answer]

12. **In a recent novel by this author, Doc Sportello is asked by Tariq to investigate Glen Charlock. Another of his novels follows an astronomer and a surveyor drawing their namesake line. This author of *Inherent Vice* and *Mason & Dixon* also wrote about Roger Mexico studying the sexual activity of (\*)** Tyrone Slothrop. In another novel, he wrote about Oedipa Maas uncovering information about the Tristero, a secret postal service. For 10 points, name this postmodern American novelist of *Gravity's Rainbow* and *The Crying of Lot 49*.

ANSWER: Thomas **Pynchon**

13. **The rocket equation gives the change in velocity of a rocket as proportional to a logarithmic ratio of two values for this quantity. Kinetic energy is equal to momentum squared divided by it, and a spherically symmetric body can be considered to have all of this property concentrated at its center by the shell theorem. Weight is (\*)** equal to this quantity times g, since force equals acceleration times it. This quantity determines an object's resistance to acceleration in inertia. For 10 points, identify this property, the amount of matter in a substance.

ANSWER: **mass** [or **m**]

14. **This prime minister was briefly succeeded by Morarji Desai, after presiding over a period in which George Fernandes was imprisoned and a mass-sterilization was imposed. This leader used the motto "Garibi Hatao" in the 1970s, and authorized the nuclear test Operation (\*)** Smiling Buddha. After ordering Operation Blue Star on Sikhs within Amritsar's Golden Temple, she was assassinated by her Sikh bodyguards. For 10 points, name this daughter of Jawarhalal Nehru, a female prime minister of India.

ANSWER: **I**ndira **Gandhi** [prompt on **Gandhi**]

15. **In 1994, a member of this family passed away due to a car accident, on his way to board a flight to Germany. Another man in this family died of a heart attack while talking on the phone with prime minister Selim Hoss and was later buried in Qardaha in the (\*)** Alawite state. That family member, Hafez, was eventually succeeded by his son, who had earlier studied ophthalmology in London but is now the general secretary of the Ba’ath Party. For 10 points, name this family which includes Bashar, the current president of Syria.

ANSWER: al-**Assad**

16. **This director used a three-and-a-half minute long tracking shot that ends with a car explosion to begin a film about drug enforcement officer Mike Vargas. In another of his films, George Minafer is born out of the wealthiest family in Indianapolis. This director of *Touch of Evil* used William (\*)** Hearst as inspiration for an entrepreneur who lets a snow globe break while saying the word “Rosebud.” For 10 points, name this man who directed *The Magnificent Ambersons* and *Citizen Kane*.

ANSWER: Orson **Welles**

17. **A movement of this piece has the two soloists playing scale exercises in chromatically ascending keys. Earlier in this piece, all the strings play a can-can melody by Offenbach very slowly; in another movement. A later movement of this piece is a cello solo in G major, accompanied by the two pianos. In its movement (\*)** “Fossils,” the composer uses the xylophone to mimic his own piece *Danse macabre*. For 10 points, name this piece by Camille Saint-Saëns (saa-SAHNZ), some of whose movements represent tortoises, elephants, and a swan.

ANSWER: *The* ***Carnival of the Animals*** [or *Le* ***Carnaval des Animaux***]

18. **This compound is industrially produced via a palladium-based catalytic hydrogenation of an anthraquinone. Potassium iodide is added to this compound in the "elephant toothpaste" experiment. This extremely strong oxidizer is broken down by catalase. This inorganic reagent dissociates into (\*)** hydroxyl radicals when exposed to UV light, so it is kept in an opaque brown bottle. It is commonly used for bleaching, for example, removing blood stains. For 10 points, name this compound with formula H 2 – O 2.

ANSWER: **hydrogen peroxide** [or **H2O2** before it is read]

19. **In this country, construction has begun on a one-kilometer-tall skyscraper known as the Kingdom Tower. This country is home to Ghawar Field, the largest oil field in the world, which is operated by the national oil company, Aramco. The King (\*)** Fahd Causeway connects this country to Bahrain. This country’s port city of Jeddah on the Red Sea serves as the main gateway for pilgrims visiting the Masjid al-Haram, which houses the Kaaba. For 10 points, name this country that is home to the cities of Riyadh and Mecca.

ANSWER: Kingdom of **Saudi Arabia**

20. **In this novel, animals reproduce at alarming rates while Petra Cotes makes love. Characters in this novel include a woman who floats into the sky while doing laundry named Remedios the Beauty and a gypsy who sells alchemy materials named (\*)** Melquiades. It opens as a man stands in front of a firing squad. This novel features several characters named Jose Arcadio and Aureliano, and it is set in the town of Macondo. For 10 points, name this novel about the Buendia family written by Gabriel Garcia Marquez.

ANSWER: ***One Hundred Years of Solitude*** [or ***Cien anos de soledad***]

21. **An angel in red kneels before a woman on a red tiled floor in this artist’s *Cestello Annunciation.* The infant Jesus holds the title fruit in this artist’s *Madonna of the Pomegranate*, which survived his enthusiastic participation in the Bonfire of the Vanities. The three Graces dance as Zephyrus reaches for (\*)** Chloris in one of his paintings, an allegory of spring. In another of this man’s paintings, Zephyrus blows flowers towards a goddess who covers herself while emerging from a seashell. For 10 points, name this Florentine painter of *Primavera* and *The Birth of Venus*.

ANSWER: Sandro **Botticelli** [or Alessandro di Mariano di Vanni **Filipepi**]

22. **This man concluded the Eternal Peace with Persian emperor Khosrau, who declared war on this ruler anyway. The Ostrogothic king Totila was defeated by this emperor's general, Narses. This monarch defeated the Vandals and (\*)** reconquered land in North Africa thanks to another general of his, Belisarius. During the Nika Riots, this ruler was persuaded by his wife, Theodora, not to abandon Constantinople. For 10 points, name this Byzantine Emperor.

ANSWER: **Justinian I** [or **Justinian the Great**; prompt on **Justinian**]

23. **The simplest of these compounds is a co-agonist with another compound of this type for NMDA receptors. The inability to metabolize a third one of these compounds commonly results in a "musty odor" in urine in the disorder PKU. Twenty of these compounds are encoded by the universal genetic code. These compounds consist of an (\*)** amine, carboxylic acid, and a unique side chain, examples of which include glycine and phenylalanine. For 10 points, name these basic subunits of proteins.

ANSWER: **amino acid**s

**HSAPQ Tournament #53**

**Packet 8 Bonuses**

1. This tract promotes Wilhelm von Humboldt's notion of individuality. For 10 points each:

[10] Identify this philosophical book which attacks the "tyranny of the majority." Its author states that the only reason one should use coercion is to prevent someone from being harmed.

ANSWER: ***On Liberty***

[10] *On Liberty* was written by this British philosopher, who also wrote *The Subjection of Women* with his wife.

ANSWER: John Stuart **Mill**

[10] John Stuart Mill and Jeremy Bentham were proponents of this school of philosophy, which advocates for the greatest amount of happiness for the greatest number of people.

ANSWER: **Utilitarianism**

2. This character’s sister Dunya eventually marries his virtuous friend Razumikhin. For 10 points each:

[10] Name this poor student who has a mental breakdown after murdering the pawnbroker Alyona Ivanovna and her sister.

ANSWER: Rodion Romanovich **Raskolnikov** [or **Rodion** Romanovich Raskolnikov]

[10] Raskolnikov is the protagonist of this novel by Fyodor Dostoevsky.

ANSWER: ***Crime and Punishment*** [or ***Prestupleniye i Nakazaniye***]

[10] Dostoevsky’s *The Idiot* follows the good-natured Prince Myshkin, who suffers from this condition that also afflicted Dostoevsky himself.

ANSWER: **epilepsy**

3. The Kell and MNS systems are less-common methods of grouping the different types of this substance, which is most commonly organized by the ABO system. For 10 points each:

[10] Identify this substance composed primarily of plasma.

ANSWER: human **blood**

[10] Karl Landsteiner and Alexander Weiner produced a serum using the blood of a monkey to discover this antigen, which allowed for the safe transfusion of blood. Its presence or lack thereof is denoted by a plus or minus after the ABO grouping.

ANSWER: **Rh** factor [or **Rhesus** factor]

[10] This English physician's book *De motu cordis* outlines his discovery of the systemic circulation of the blood.

ANSWER: William **Harvey**

4. This king sent the Duke of Alba to put down a revolt in the Netherlands. For 10 points each:

[10] Name this monarch of Spain, who sent the Spanish Armada to depose Elizabeth I.

ANSWER: **Phillip II** [or **Felipe II**; or **Phillip the Prudent**; or **Felipe de Prudente**; prompt on **Phillip** or **Felipe**]

[10] Phillip was married to this Catholic half-sister and predecessor of Elizabeth, who ordered the burning of many dissenting Protestants in the Marian persecutions.

ANSWER: **Mary I** of England [or **Bloody Mary**; prompt on **Mary**]

[10] Phillip’s half-brother, Don Juan of Austria, led the Holy League fleet that defeated the Ottomans at this 1571 battle. This battle was the last major battle fought between galley ships.

ANSWER: Battle of **Lepanto**

5. This composer stopped working on his *Freeman Etudes* after complaints by Paul Zukofsky. For 10 points each:

[10] Name this experimental American composer who developed the “prepared piano” and wrote *4’33’’* (“four thirty three.”)

ANSWER: John **Cage**

[10] *4’33’’* is noteworthy for being four minutes and thirty three seconds of this quality, although the actual “music” is supposed to come from the noises of the audience.

ANSWER: **silence** [accept anything implying an **absence of sound**; accept **ambience** or **environmental** sounds]

[10] This series of five pieces by Cage includes one for two variable-speed turntables, one for 24 performers at 12 radios, and one incorporating conch shells and a lion’s roar.

ANSWER: ***Imaginary Landscape****s*

6. The Bobo doll experiment introduced the observational form of this process, and the latent form of this process was demonstrated in rats cognitively mapping mazes. For 10 points each:

[10] Name this process by which one gains new knowledge or behaviors.

ANSWER: **learn**ing [or word forms]

[10] This behavioral psychologist developed a namesake "box" as an operant conditioning chamber in which rats and pigeons learned to press a lever or switch to release food.

ANSWER: Burrhus Frederic **Skinner**

[10] This psychologist placed cats inside puzzle boxes to study how they learned to escape. His law of effect states that a learned behavior can be strengthened with satisfying consequences.

ANSWER: Edward **Thorndike**

7. This country’s Derg military junta carried out a series of purges under its leader Mengistu Haile Mariam. For 10 points each:

[10] Name this country that warred with its eastern neighbor over the Ogaden region. Its longtime Prime Minister Meles Zenawi was a leader of a rebel movement in the Tigray region.

ANSWER: **Ethiopia**

[10] Mengistu overthrew this emperor, the last member of the Solomonic dynasty, who ruled Ethiopia for most of the twentieth century.

ANSWER: **Haile Selassie** I [or **Tafari Makonnen**]

[10] The Derg junta eventually collapsed in part because it lost economic support from this country. Cuba’s economy completely collapsed when this country disintegrated under its last leader, Mikhail Gorbachev.

ANSWER: **Soviet Union** [or **USSR**; or **Union of Soviet Socialist Republics**; prompt on **Russia**]

8. Answer the following about quantum mechanics, for 10 points each.

[10] These solutions to the Schroedinger equation, symbolized psi, contain all information about a system. Quantities like position and kinetic energy correspond to eigenvalues for them.

ANSWER: **wavefunction**s

[10] Not all observable quantities, such as position and momentum, can be measured simultaneously to arbitrary position according to this principle sometimes named for a German scientist.

ANSWER: Heisenberg **uncertainty** principle

[10] Wavefunctions are central to the Copenhagen interpretation, which this physicist worked on. He names a model of the atom in which electrons orbit the nucleus at fixed distances.

ANSWER: Niels Henrik David **Bohr**

9. It was criticized upon its construction for having six minarets instead of the customary four. For 10 points each:

[10] Name this mosque, commissioned by Sultan Ahmed I, that is nicknamed for the color of the tiles of its interior walls.

ANSWER: **Blue** Mosque

[10] The Blue Mosque was built nearby this older mosque, which originally served as an Eastern Orthodox cathedral before being converted by the conquering Ottomans.

ANSWER: **Hagia Sophia** [or **Ayasofya**; or **Church of Holy Wisdom**]

[10] Both the Blue Mosque and the Hagia Sophia are located in this present-day Turkish city, which straddles the border between Europe and Asia.

ANSWER: **Istanbul**

10. This play opens with a character reading a newspaper piece about an 87-year-old man who crawled under a lorry and died. For 10 points each:

[10] Name this play about the hit men Ben and Gus, who sit in a basement and receive instructions from the title contraption.

ANSWER: *The* ***Dumb Waiter***

[10] *The Dumb Waiter* is a play by this absurdist British playwright, who described Stanley's attempted rape of Lulu during the title event of his *The Birthday Party*.

ANSWER: Harold **Pinter**

[10] At one point in the play, Gus expresses disbelief at the outcome of one of these events, which was lost by Villa.

ANSWER: **soccer** match [or **football** match]

11. A witch named Mistress Hibbins invites the protagonist of this novel to meet the devil in the forest. For 10 points each:

[10] Name this novel by Nathaniel Hawthorne in which Hester Prynne is forced to wear the title symbol after having an illegitimate child.

ANSWER: *The* ***Scarlet Letter***

[10] This daughter of Hester is often described as "elf-like." Her name reflects the fact that Hester purchased her at a great price.

ANSWER: **Pearl**

[10] While Dimmesdale, Hester, and Prynne stand on the scaffold, they see this symbolic object, which is interpreted as an angelic omen by the other Puritans.

ANSWER: a **meteor** [or obvious equivalents]

12. PUT A MATH BONUS HERE

13. This man outmaneuvered Henri Girard to become leader of the Free French. For 10 points each:

[10] Name this World War II hero who later became the longtime French president and negotiated the independence of Algeria.

ANSWER: Charles **de Gaulle**

[10] de Gaulle wrote the constitution of this French regime, which has been in place since 1958, and under which he served as president.

ANSWER: **Fifth Republic**

[10] In 1963, de Gaulle shocked his Western allies by performing this action in response to a dispute over sharing France's nuclear arsenal.

ANSWER: partially **withdrawing from NATO** [or equivalents; or **withdrawing naval** forces **from NATO**]

14. This essay declares, “A foolish consistency is the hobgoblin of little minds, adored by little statesmen and philosophers and divines.” For 10 points each:

[10] Name this 1841 essay from its author’s *First Series* in which the title concept opposes conformism.

ANSWER: “**Self-Reliance**”

[10] “Self-Reliance” was written by this Transcendentalist philosopher and teacher of Henry David Thoreau.

ANSWER: Ralph Waldo **Emerson**

[10] In the last sentence of “Self-Reliance,” Emerson forcefully concludes that “nothing can bring you peace but the triumph” of these things.

ANSWER: **principles**

15. In this painting, a cash register appears in the window of a darkened building, and the only lighting comes from the central diner. For 10 points each:

[10] Name this painting which also includes an advertisement for five cent Phillies cigars.

ANSWER: ***Nighthawks***

[10] This American artist of *Nighthawks* also depicted two women with similar hats sitting across from each other in *Chop Suey*.

ANSWER: Edward **Hopper**

[10] In his painting *Early Sunday Morning*, Hopper painted a deserted storefront bereft of all details except for two objects. Name either of those objects.

ANSWER: a fire **hydrant** and a barber’s **pole**

16. Those who consumed these two substances usually had ichor instead of blood. For 10 points each:

[10] All or nothing, name both of these two items, which, according to Homer, were the food and drink of the Olympian gods.

ANSWER: **ambrosia** and **nectar**

[10] After her daughter Persephone was abducted, this agricultural goddess attempted to make Demophon immortal by anointing him with ambrosia and placing him in a fire.

ANSWER: **Demeter**

[10] The gods placed food and water just out of reach to punish this man, who stole ambrosia and nectar. Another of this man’s crimes resulted in his son possessing an ivory shoulder.

ANSWER: **Tantalus**

17. This composer commemorated a staged train collision in Texas in his “Great Crush Collision March.” For 10 points each:

[10] Name this American composer whose piano hit “The Entertainer” saw a resurgence in popularity after its use in the film *The Sting*.

ANSWER: Scott **Joplin**

[10] Joplin was best known for writing this type of music, whose rhythms were shaped by African-American influences. His “Maple Leaf” composition of this type is an example.

ANSWER: **rag**time

[10] Many of Joplin’s later pieces, like the “Magnetic Rag” and the opera *Treemonisha*, were written while he was debilitated by an advanced, dementia-causing form of this disease.

ANSWER: **syphilis**

18. Phyla within this kingdom include chytrids and zygomycetes. For 10 points each:

[10] Name this kingdom of organisms that is largely composed of yeasts, molds, and mushrooms.

ANSWER: **fungi** [or a **fungus**]

[10] These branching filaments form the mycelium in fungi. Their growth can be controlled by an organelle called the spitzenkorper.

ANSWER: **hypha**e

[10] When a fungus is able to interchange between a yeast and a mold life cycle, it has this property. *Candida albicans* and *Saccharomyces cerevisiae* exhibit this property.

ANSWER: **dimorphic** [or **dimorphism**]

19. During the 2014 NBA Finals, this player missed the end of Game 1 after suffering leg cramps. For 10 points each:

[10] Name this forward, known as the "King." He has led the Miami Heat to four consecutive Finals and originally played for the Cleveland Cavaliers.

ANSWER: LeBron **James**

[10] The Heat's “Big Three” of players included James, Dwyane Wade, and this power forward who played for Georgia Tech and formerly the Toronto Raptors.

ANSWER: Chris **Bosh**

[10] James attended St. Vincent-St. Mary High School in this Ohio city.

ANSWER: **Akron**

20. Answer the following about the presidential election of 1952, for 10 points each.

[10] The election was won by this man, a former five-star general during World War II and Supreme Commander of Allied Forces in Europe.

ANSWER: Dwight David "Ike" **Eisenhower**

[10] Eisenhower's running mate, Richard Nixon, gave a speech defending the use of his "slush fund." The speech is commonly known by this name, referring to Nixon's dog.

ANSWER: **Checkers**

[10] Nixon became famous when as a member of the House Un-American Activities Committee, he investigated this man, a former State Department official accused of being a Soviet spy by Whittaker Chambers.

ANSWER: Alger **Hiss**

21. In this short story, Muriel Glass waits for a switchboard operator before discussing her husband's psychiatric problems. For 10 points each:

[10] Name this short story in which Seymour Glass shoots himself after talking to Sybil about the title animal.

ANSWER: "A **Perfect Day for Bananafish**"

[10] "A Perfect Day for Bananafish" is a work by this author, who also wrote *The Catcher in the Rye*.

ANSWER: J. D. **Salinger** [or Jerome David **Salinger**]

[10] "A Perfect Day for Bananafish" appears in this collection, which also includes "Teddy" and "Down at the Dinghy."

ANSWER: ***Nine Stories***