

PARFAIT Round 12

Chicago

Selene Koo and Seth Teitler

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1 Chicago Tossups, Round 12

1. He led American Forces at the Battle of Valcour Island, sustaining heavy losses to Sir Guy Carleton, to whom he had also lost the Battle of Quebec with Richard Montgomery the previous year. He would later lead the Americans to victory at Fort Stanwix and pointed out Simon Fraser as the key soldier to kill while violating orders at the Battle of Bemis Heights. FTP, this is what general who corresponded with Major Andre in a plot to hand over West Point to the British?

Answer: Benedict Arnold

2. The poet claims to be “Reeling, through endless summer days, / From inns of molten blue,” and vows to continue with the title action “Till seraphs swing their snowy hats, / And saints to windows run, / To see the little tippler / Leaning against the sun!” The poet will not be daunted “When butterflies renounce their drams,” being “Inebriate of air.” Describing herself as a “debauchee of dew,” FTP name this poem in which Emily Dickinson engages in the title action “From tankards scooped in pearl.”

Answer: “I taste a liquor never brewed”

3. He stole a lingam worshipped by Nikasha, the mother of Ravana. In the *Mahabharata*, he is pursued by the goddess Brahminicide, the incarnation of his crime of killing an asura. The hero Karna once cut off his own armor and earrings and gave them, dripping with blood, to this god, who gave Karna the Sakti weapon in gratitude. Karna later failed to kill this gods son Arjuna. His great white elephant Airavata guards the entrance to his heaven Swarga, located on Mount Meru. Known for killing the dragon-demon Vritra with his thunderbolt, FTP name this primary Vedic storm god.

Answer: Indra

4. Cosimo Tura produced a wood panel painting of this name, sometimes known as “Allegorical Figure,” featuring a woman on a throne backed by a clam shell. In the better-known painting of this name a blue-skinned, winged male figure appears on the far right, while a red-draped man stirs up clouds on the far left. The three females dancing a rondel near the left side were based on a classical statue of the Three Graces, while the scene on the right was based on Ovid’s account of the transformation of Chloris into Flora. FTP, name this painting of Venus in a garden created by Botticelli.

Answer: Primavera or Allegory of Spring or Springtime

5. He served as minister of health for 3 years after election to the Chamber of Deputies. He was elected to the presidency after the formation of the Popular Unity coalition, and soon seized the copper mines owned by the Anaconda Company. He survived an attempted coup known as “El Tanquetazo” but died later that same year in La Moneda. In 1990, after Aylwin Azócar assumed the presidency, his remains were given a state burial in Santiago. FTP, name this leader killed on September 11th, 1973, during a coup led by Pinochet, the first Socialist president of Chile, and uncle of novelist Isabel.

Answer: Salvador Allende Gossens

6. Its largest river, the Lempa, enters this country at Citala before flowing to the Pacific Ocean. The name given by the Pipil to their territory, Cuscatlan or “Land of the Jewel,” is still sometimes applied to this country whose major lakes include Ilopango and Coat-peque. Its population is concentrated along the central highlands, which is dominated by the volcanoes Conchagua, Izalco, and this country’s tallest, Santa Ana. Separated by the Gulf of Fonseca from Nicaragua, to the north it borders Guatemala and Honduras, with which it fought the 1969 Soccer War. FTP identify this only central American country without a Caribbean coastline, with capital at San Salvador.

Answer: El Salvador

7. Jorgensen’s theory relates the optical type of it to the position of a ligand-metal charge transfer band. Philips and Van Vechten provided a dielectric definition of this property. Bent’s rule predicts the amount of s-character directed toward a chemical group based on this property. The excess bond dissociation energy of an AB bond and the electric field at the surface of the atom provide alternate definitions for this property. Defined as the average of the ionization potential and electron affinity by Mulliken, FTP identify this property of an atom defined as its ability to attract electrons to itself, first proposed by Pauling.

Answer: electronegativity

8. In the fifth book of this work, the author argues that shepherds can form more formidable armies than hunters, and mentions Cromwell and Hannibal as support for the statement that standing armies trump militias. This work inspired a similarly-titled 1984 Jane Jacobs work arguing for the importance of cities as economic units. The author uses the example of manufacturing pins to illustrate the power of the division of labor, and attacks the use of “restraints upon importation.” Published 17 years after the author’s *Theory of Moral Sentiments*, which introduced the concept of the “invisible hand,” FTP name this economic treatise by Adam Smith.

Answer: *An Inquiry into the Nature and Causes of the Wealth of Nations*

9. The title character is told that she is “a lioness fiercer than Tyrrhene Scylla” at the end of the play. She is promised sanctuary by Pandion’s son Aegeus after she pledges to give him children, and convinces Creon to delay her banishment for one more day so that she can find a way to provide for her sons. This proves ironic as she rises over the stage in a chariot drawn by dragons with her dead children beside her. Describing the title character’s vengeance on her husband who decides to marry a Corinthian woman, FTP identify this Euripides play about the titular sorceress from Colchis and wife of Jason.

Answer: Medea

10. It’s called a trumpet of prophecy, the waker of the Mediterranean from summer dreams, lulled by the coil of crystalline streams, destroyer and preserver, and the dirge of the dying year. It is commanded to drive the narator’s dead thoughts out, and that speaker yearns to be a dead leaf, a swift cloud, or a wave that could share the impulse of its strength. Written in a wood on the Arno in 1819, for ten points , what is this ode written to Zephyrus?

Answer: Ode the the West Wind

11. It was ruled that Section Three of it did not violate Article V of the Constitution in the Supreme Court case *Dillon v Gloss*. During Franklin Roosevelt's first term as president, a Congressional bill passed to modify an earlier Congressional Act related to it resulted in accusations that the President was "3.2 percent American." The cases of *US v Chambers* and *US v Constantine* were ruled in favor of their respective defendants within two years of its repeal. Ratified within the seven-year mandated period by 36 states in 1919, FTP identify this constitutional amendment enforced by the Volstead Act, which prohibited the "manufacture, sale, or transportation of intoxicating liquors."

Answer: Eighteenth Amendment

12. This concept was used to secure the first principle of the *Wissenschaftslehre*. Nietzsche warned against the "Tartuffery" of this concept's formulator, and a challenge stated by Constant inspired its formulator to write "On a Supposed Right to Lie Because of Philanthropic Concerns." Henri Bergson associated it with static religions and argued that it is limited and particular, failing its own universalizability test. Introduced in *Groundwork for the Metaphysics of Morals*, FTP name this concept promulgated by Kant, an absolute and unconditional moral law.

Answer: categorical imperative or categorische imperatief

13. The transition state analog 2-carboxyarabinitol-1-phosphate inhibits this pathway, while the thioredoxin system stimulates it while simultaneously suppressing glycolysis. Transketolase and several other enzymes in the pentose phosphate pathway are involved in the second, recovery phase, resulting in the regeneration of two 5-carbon compounds. The first phase concludes with the production of two molecules of glyceraldehyde-3-phosphate, which can be used in biosynthesis. With a first step involving the reaction of ribulose-1,5-bisphosphate with carbon dioxide catalyzed by the inefficient enzyme Rubisco, FTP identify this phase of photosynthesis, a cycle of reactions named for a Berkeley scientist.

Answer: Calvin-Benson cycle or dark reactions

14. A settlement reached in this city provided that certain lands would not change hands if possession could be proved since the Treaty of Passau. The Treaty of Passau ended a revolt that nullified this city's namesake interim ruling, which allowed marriage for clergy. This city gave its name to a league which fought an eponymous war ended by the treaty of Ryswick, and to a settlement based on the principle of *cuius regio, eius religio*. FTP, name this German city whose Diets saw the adoption of a 1555 Peace and the presentation of 28 articles constituting the basic confession of the Lutheran faith.

Answer: Augsburg

15. Trousseau's sign and Zollinger-Ellison syndrome are clinical manifestations of two different types of carcinomas of this organ. Its enterochromaffin cells synthesize serotonin, while D1 cells produce vasoactive intestinal peptide, which stimulates secretion of water by this organ. Its uncinate process wraps behind the superior mesenteric artery and vein; along its dorsal side run the ducts of Santorini and Wirsung, into which it releases trypsinogen, lipase, amylase, and other digestive enzymes. Running from the hilum of the spleen to the curve of the duodenum, FTP identify this organ whose islets of Langerhans contain cells that secrete glucagon and insulin.

Answer: pancreas

16. This collection presents conflicting views of love presented by the title figures of the poem “The Clod and the Pebble.” The poet claims to hear “The mind-forg’d manacles” in “every voice of every Man” in the poem “London.” The poet also states, “I was angry with my foe: / I told it not, my wrath did grow.” in the poem “A Poison Tree.” Many of the poems stand in contrast to poems from a previous collection which included “The Lamb.” “The Tyger” appears in, FTP what collection written by Blake 5 years after *Songs of Innocence*?

Answer: Songs of Experience

17. A prophet successfully cut a whetstone in half with a razor in answer to a challenge issued by the fifth member of this group. That fifth member was a son of Demaratus born with the name Lucumo. An eagle stole and returned the cap of the fifth one, while the sixth one was once seen sleeping with his head wreathed in flame; both signs were interpreted by Tanaquil. The nymph Egeria was frequently consulted during the 43 year reign of the second one, Numa Pompilius. FTP, name this group of monarchs whose last member was Sextus Tarquinius Superbus and whose first member was Romulus.

Answer: Kings of Rome (accept Lucius Tarquinius Priscus before “group”)

18. One woman with this first name dies of tuberculosis after catching her husband kissing the neighbor’s daughter Sasha; another starts an affair with Gurov in Yalta. In addition to the wife of Ivanov and the “Lady with a Lapdog,” characters with this first name include the wife of the Mayor in the *Inspector General*, and Madame Odintsova, who rejects Bazarov in *Fathers and Sons*. Another character with this first name is the sister of Oblonsky. FTP, give the first name of the woman who has an affair with Vronsky before throwing herself in front of a train, the title character of a Tolstoy novel.

Answer: Anna (accept Sarah until “Gurov” is read the first character is Anna, formerly known as Sarah Abramson in Chekov’s *Ivanov*)

19. In cosmology, the parameter of this name has values of -1, 0, and 1/3 for the cosmological constant, matter, and radiation, respectively. Some of these relations solve the Lane-Emden equation, and are known as polytropic profiles. More complicated examples, such as the one named for Peng and Robinson, can replicate the coexistence of multiple phases. Another of these constitutive relations has two material parameters describing pairwise attraction forces and the excluded volume of fluid particles, and is named for van der Waals. FTP, name these relations, an example of which is $PV = nRT$ for ideal gases.

Answer: equation of state or equations of state

20. The title character begins to resemble this pet animal after his pet parrot dies in Saki’s short story “The Remoulding of Groby Lington.” A Japanese civil war that led to the succession of the Emperor Temmu took place in the year of this creature. In myth, one of these creatures defeats Meghanada and chases the sun, thinking that it is a piece of fruit, while another uses his 72 transformations to help Tang Seng. FTP identify this animal who appears as a mischievous hero in *Journey to the West*, and which gives its name to the trial of John Scopes for teaching evolution.

Answer: monkeys

2 Chicago Bonuses, Round 12

1. Identify the following about literary Sebastians FTPE.

10 Sebastian Flyte is unusually attached to his teddy bear Aloysius in this Evelyn Waugh novel about the religious struggles of the Flyte family as observed by Charles Ryder.

Answer: Brideshead Revisited

10 This author of *Invitation to a Beheading* and *Ada* wrote about a half-brother's search for the truth behind the deceased title character's life in his first English novel *The Real Life of Sebastian Knight*.

Answer: Vladimir Vladimirovich Nabokov

10 The late fifteenth century German writer Sebastian Brant wrote this satirical poem that shares its name with a Katherine Anne Porter novel which tells of the 1931 journey of the *Vera* from Mexico to Germany.

Answer: Ship of Fools (grudgingly accept Narrenschiff, which clearly isn't the title of the Porter novel)

2. Name these martial artists who appeared in *Enter the Dragon*, on a 5-5-10-10 basis.

5 This man's character defeats Han in the hall of mirrors. He starred in *Fists of Fury* prior to starring in *Enter the Dragon*.

Answer: Bruce Lee

5 This actor had an uncredited and very brief part as a bad guy killed by Bruce Lee. He is better known for fine films like *Rumble in the Bronx* and the upcoming *Rush Hour 3*.

Answer: Jackie Chan

10 This actor had an uncredited part as a fellow Shaolin trainee who spars with Bruce Lee. He starred in and directed *Enter the Fat Dragon*, and starred in the CBS series *Martial Law* with Arsenio Hall.

Answer: Sammo Hung Kam-Bo

10 This actor played a villainous strongman in the employ of Han. He brought his massive pecs and villainous ways to the part of Chong Li, the main villain in *Bloodsport*.

Answer: Bolo Yeung (accept either name) or Yang Sze

3. It ends with the holiday Eid on the first of Shawwal. FTPE:

10 Name this ninth month of the Islamic calendar, during which Muslims fast between dawn and sunset.

Answer: Ramadan

10 The 97th sura states that this night near the end of Ramadan is "better than a thousand months." It is said to be the night when the first sura of the Qur'an was revealed to Muhammad.

Answer: Night of Power or Night of Destiny or Laylat al-Qadr

10 This Arabic term refers to the obligatory fasting during Ramadan. It is one of the five pillars of Islam.

Answer: siyam or saum or sawm

4. Answer the following on thought experiments related to relativity theory, FTPE.

10 This paradox is named for two initially identical siblings, and concerns their relative aging after one of them boards a spaceship, flies away, and returns.

Answer: twin paradox

10 In this paradox a rigid rotating disk illustrates an apparent paradox related to Lorentz contraction. Its namesake also gives his name to the theorem generalizing Newton's second law of motion to quantum mechanics.

Answer: Ehrenfest's disk paradox

10 Thought experiments involving accelerating elevators are often used to illustrate this principle, which states that uniform acceleration and gravitation are indistinguishable.

Answer: equivalence principle

5. Answer the following about Chinese literature FTPE.

10 Ezra Pound notably translated this Tang Dynasty poet's works, including "A River Merchant's Wife: A Letter." He supposedly drowned while trying to embrace the moon.

Answer: Li Po or Li Bai

10 The titular 108 heroes are led by Song Jiang and occupy a stronghold on Mount Liang in this novel set in twelfth century China.

Answer: Outlaws of the Marsh or The Water Margin or Shuihuzhuan or All Men Are Brothers

10 This sexually explicit Ming Dynasty novel based on an episode in Outlaws of the Marsh follows the exploits of the Ximen (pronounced Shee Men) clan; its title is derived from the names of the three major female characters.

Answer: Plum in the Golden Vase or The Golden Lotus or Jinpingmei

6. Their namesake used them to show the first construction of the reals from the rationals. FTPE:

10 These proper subsets of the rational numbers contain all rational numbers less than some real number.

Answer: Dedekind cuts

10 An alternate construction of the reals from the rationals makes use of these sequences, whose terms become arbitrarily close. A metric space in which every one of these converges is said to be complete.

Answer: Cauchy sequences

- 10 The construction of the reals using Cauchy sequences is due to this man, who also provided a diagonalization method for showing that the reals are uncountable.
Answer: Georg Cantor
7. Give the pseudonyms of these important early subjects of psychoanalysis, FTPE.
- 10 Freud gave this pseudonym to Sergei Pankejeff based on a dream of Sergei's in which several of the namesake creatures appeared perched in a tree.
Answer: Wolf Man or der Wolfsmann
- 10 Josef Breuer gave this name to Bertha Pappenheim, whose case introduced Freud to the cathartic method or "talking cure."
Answer: Anna O.
- 10 Freud gave this pseudonym to Herbert Graf, a young boy who developed a fear of horses as a result of castration anxiety.
Answer: Little Hans
8. Answer the following about pieces of writing and the French Revolution FTPE.
- 10 In this pamphlet, Abbé Sieyès states that the title group is everything, and that it has been nothing until now, with no political rights.
Answer: What is the Third Estate? or Qu'est-ce que le Tiers État?
- 10 This document drafted by the Marquis de Lafayette was adopted by the National Assembly on August 26, 1789. The first article states that "Social distinctions can be based only on public utility."
Answer: The Declaration of the Rights of Man and of the Citizen or La Déclaration des Droits de l'Homme et du Citoyen
- 10 This author of *The Manifesto of Equals* and publisher of the journal *Le Tribune de peuple* adopted the nickname "Gracchus" before being guillotined by the Directory.
Answer: François-Noël or Gracchus Babeuf
9. Answer the following related Chemistry questions FTPE.
- 10 In this organic reaction, an alkyl halide is produced from the reaction of a halogen with the silver salt of a carboxylic acid via a radical chain reaction mechanism.
Answer: Hunsdiecker reaction
- 10 A carboxylic acid can be produced by the reaction of silver oxide with this class of compounds containing a terminal carbonyl group.
Answer: aldehydes
- 10 Secondary alcohols are synthesized from the reaction of aldehydes with these organometallic reagents that are often produced from the reaction of an alkyl halide with magnesium.
Answer: Grignard reagent

10. Answer the following related questions FTPE.

10 Early works of this choreographer of Copland's *Appalachian Spring* include *Three Gopi Maidens* and *Revolt*, set to the music of Honegger.

Answer: Martha Graham

10 A later Graham work was inspired by this Biblical figure who summoned the spirit of Samuel at the behest of King Saul.

Answer: Witch of Endor

10 This granddaughter of Henry George and choreographer of the musicals *Oklahoma!* and *Brigadoon* published a biography of Martha Graham in 1992.

Answer: Agnes George DeMille

11. Answer the following about the railroad in late nineteenth century American history, FTPE:

10 This railroad company formed by members of the Union Pacific Railway paid themselves to build the transcontinental railroad. Figures implicated in the ensuing scandal included Thomas Durant and US representative Oakes Ames.

Answer: Crédit Mobilier

10 In this 1886 decision, the Supreme Court ruled that states did not have the power to regulate interstate rates for railroads, reversing an earlier decision in *Munn v. Illinois*.

Answer: Wabash, St. Louis and Pacific Railroad Company v. Illinois

10 The year after the *Wabash* decision, this seven-member governing body was created to ensure that railroads charged fair rates; in the early 1900's, it was also given the power to regulate telephone services.

Answer: Interstate Commerce Commission or ICC

12. Answer the following related questions for ten points each.

10 This writer who was made England's poet laureate in 1692 wrote the libretto for Purcell's opera *Dido and Aeneas* and collaborated with Nicholas Brady on a verse version of the Biblical Psalms.

Answer: Nahum Tate

10 Tate was commissioned by Dryden to finish the second volume of this poem that allegorically represents Charles II as King David, and Monmouth and Shaftesbury as the two title characters.

Answer: Absalom and Achitophel

10 Tate is infamous for rewriting this Shakespeare play to have a happy ending in which Cordelia survives and marries Edgar; his version would actually be preferred to the Shakespearean version until the 19th century.

Answer: King Lear

13. His paintings included *The Ox-Bow* and the unfinished series *The Cross of the World*. FTPE:

10 Name this American painter who was paired with William Cullen Bryant in Asher Durand's painting *Kindred Spirits*.

Answer: Thomas Cole

10 This series of paintings inspired by Volney's *Ruins* includes *The Savage State*, *The Pastoral State*, *Consummation*, *Destruction*, and *Desolation*.

Answer: The Course of Empire

10 The paintings *Childhood*, *Youth*, *Manhood*, and *Old Age* make up this series of allegorical works depicting a journey in a boat.

Answer: Voyage of Life

14. Density waves aren't just for spiral arms any more. FTPE:

10 Density wave analysis was used to calculate the mass and thickness of these structures during the Voyager II mission. More recently, the Cassini mission has imaged density waves in these structures.

Answer: Saturn's rings (prompt on partial answer)

10 This man won a prize for his stability analysis of Saturn's rings, which proved that they must consist of small particles. He lends his name to the highest mountain on Venus, the only Venusian feature named for a man.

Answer: James Clerk Maxwell

10 This term refers to small satellites orbiting near the edges of planetary rings, or in gaps between planetary rings, which maintain the sharp edges of rings through gravitational interactions.

Answer: shepherd moons or satellites

15. Answer the following about Ferdinand and Isabella, FTPE.

10 Ferdinand and Isabella accomplished the Reconquista in 1492 when they deposed Boabdil, the last member of the Nasrid dynasty which had ruled this Muslim kingdom.

Answer: Granada

10 This 1494 treaty set the line between the lands belonging to Spain and Portugal in the New World.

Answer: Treaty of Tordesillas

10 This daughter of Ferdinand and Isabella refused to leave the corpse of her husband Philip the Handsome, showing the mental instability that led to her imprisonment at Tordesillas after 1509.

Answer: Joan of Castile or Joan the Mad or Juana la Loca

16. This ship was set on fire and sent over Niagara Falls under the orders of Colonel Allan McNab. FTPE:

- 10 Identify this ship whose 1837 burning exacerbated American hostilities toward their neighbors to the north.
Answer: SS Caroline
- 10 Hostilities related to the Caroline affair and the border dispute between Maine and New Brunswick were settled by this 1842 treaty.
Answer: Webster-Ashburton Treaty
- 10 The Webster-Ashburton Treaty also resolved the dispute over possession of the tiny Republic of Indian Stream, which originally received its land from this Wampanoag son of Massasoit and brother of Wamsutta.
Answer: Metacomet or King Philip
17. Several Greek philosophers spent time thinking about the basic substance of the universe. FTPE:
- 10 The Milesian philosopher Anaximenes held that this element is the fundamental substance.
Answer: air
- 10 This philosopher held that the universe is composed of the four elements, acted on by the forces of love and strife. He jumped into Mount Etna to prove his immortality.
Answer: Empedocles
- 10 In this Platonic dialogue, four of the Platonic solids are associated with the four elements, while the fifth solid, the dodecahedron, is associated with space.
Answer: Timaeus
18. Answer the following related to a period of Japanese history FTPE.
- 10 This is the name given to Emperor Go-Daigo's 1333-1336 attempt to reinstate imperial rule at the end of the Kamakura shogunate.
Answer: Kemmu Restoration or Kemmu no Shinsei
- 10 In 1336, this man who had originally supported Go-Daigo's accession to the throne revolted and placed another emperor on the throne; he gives his name to the shogunate that followed the Kemmu Restoration.
Answer: Ashikaga Takauji
- 10 After being expelled from Kyoto by Ashikaga, Go-Daigo set up a rival imperial court in the Yoshino mountains near this city that served as the capital from 710 to 784, before it was moved to Nagaoka.
Answer: Nara
19. Identify the following Baroque composers who inspired compositions by later composers, FTPE.
- 10 Brahms wrote a set of twenty-five variations and a fugue for piano based on a melody from this composer's Suite in B-flat major. He also wrote *Music for the Royal Fireworks*.
Answer: Georg Friederich Handel

10 This man used a motif based on his own last name in his *The Art of Fugue*; that motif was also used in fugues by Schumann and Liszt, and a “Collage” by Pärt.

Answer: Johann Sebastian Bach (prompt on just “Bach”)

10 Ravel wrote a piano piece entitled “The tomb of” this man. This composer wrote Apotheoses to Corelli and Lully, as well as *27 ordres* for harpsichord and *L’art de toucher le clavecin*.

Answer: Francois Couperin

20. Name these short works of fiction FTPE.

10 In this Thomas Mann novella, the writer Gustav von Aschenbach becomes fascinated with the Polish boy Tadzio and succumbs to cholera while vacationing in the title city.

Answer: Death in Venice or Der Tod in Venedig

10 In this Joseph Conrad story, a nameless young captain harbors his double Leggatt, who killed a man at sea.

Answer: “The Secret Sharer”

10 In this Franz Kafka story, the Officer shows off an apparatus similar to a harrow, designed to inscribe punishments in the bodies of criminals.

Answer: “In the Penal Colony” or “In der Strafkolonie”