

PARFAIT II Round 11

Princeton
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1 Princeton Tossups, Round 11

1. The 1973 posthumous collection *Bits of Paradise* includes ten of her short stories that were published in various journals throughout the 1920s and 30s. She also painted landscapes of New York and Paris as well as imaginative scenes from religious parables and fairy tales. While in Paris in 1924, she had a brief affair with a young French pilot, and in 1930 she was diagnosed with schizophrenia, a condition which plagued her until her death in a mental hospital fire in 1948. Her only novel, the 1932 autobiographical *Save Me The Waltz* recounts the wild parties she attended and other notorious exploits with her famous husband. For ten points, identify this flapper, the real-world model for Nicole Diver in *Tender is the Night*, a novel written by her husband.

Answer: Zelda Sayre Fitzgerald (prompt on just “Fitzgerald”)

2. It has been experimentally confirmed as a relativistic invariant. Objects possessing it, such as the antiprotons used at the CERN particle accelerator, can be confined and stored using a Penning trap. In the Standard Model, it corresponds to a U1 symmetry, and quarks possess a value of either minus one third or plus two thirds. It is fundamentally conserved by all particle interactions. The first description of it dates back to Thales of Miletus around 600BCE. The force associated with it follows the inverse-square law. Franklin thought it was fluid, and Millikan showed it is discrete. For ten points, what is this physical property with the SI unit coulomb?

Answer: electric charge (PROMOPT on “charge”)

3. This psychologist’s last two books outlined three interpersonal coping strategies through which people respond to difficulties: compliance, hostility, and detachment. This Neo-Freudian believed that cultural and social forces, especially those inside the family, lead to a child’s “basic anxiety” and argued that psychoanalysis should focus on present problems rather than being overly concerned with infantile origins. *Self-Analysis*, a 1942 work containing an extended case history of the fictional Clare, was based extensively on her real-life former relationship with Erich Fromm, her student at the Berlin Psychoanalytic Institute who became her lover after she moved to the United States. For ten points, name this German-born psychologist who described the formation of neuroses and coined the term “womb envy”.

Answer: Karen Horney

4. A dissent by Justice Scalia recalled a famous Leutze painting of Chief Justice Taney several years after *Dred Scott* to emphasize that boiling morality issues can not be solved by judicial fiat. The three-member concurring opinion based its argument on the doctrine of *stare decisis* and famously declared that “At the heart of liberty is the right to define one’s own concept of existence, of meaning, of the universe, and of the mystery of human life.” A partial dissent from justices Blackmun and Stevens objected to upholding parental consent, informed consent, and waiting period laws in, for ten points, what landmark 1992 Supreme Court decision, that both upheld and amended the trimester formula from *Roe v. Wade*.

Answer: Planned Parenthood of Southeastern Pennsylvania v. Casey

5. Mary Thayer argued that Coleridge's *Love* was the inspiration for this poem with a "haggard" and "woe-begotten" figure taken to an "elfin grot" instead of a "cave." The title figure first appears with long hair and wild eyes, "a lady in the meads, / Full beautiful a faery's child." The hero "[makes] a garland for her head," and in return she rides with him and declares her love for him. The knight, however, falls asleep upon returning to her "elfin grot," and has an evil dream in which "pale kings and princes" warn him against her. Having the knight "in her thrall," this is, for ten points, what title character of a John Keats poem?

Answer: *La Belle Dame Sans Merci*

6. The author of this work recorded in a letter to his friend Ren An his decision, after defending the humiliated general Li Ling and thus angering the emperor, to forego the traditional punishment of suicide and face castration instead. His reason was that he would, despite his castration, still be alive to finish this great book, which he had already begun, a comprehensive history of China from its mythic beginnings to his own Han Dynasty age. For ten points, what is this great source of Chinese mythology and, by many accounts, greatest work of Chinese historical writing, written by Sima Qian?

Answer: Shiji or Records of the Grand Historian (accept similar translations)

7. On March 27, 1901 he debated a man who had hoped for a professorship at Toronto and who claimed that chemists accepted the immutability of atoms. Despite that boneheadedness, he collaborated with that Frederick Soddy in the investigation of Thorium and Thorium X, which turned out to be an isotope of Radium, the decay of radioactive elements into others was outlined in *Radio-activity*. Using small metal plates stacked closely together with alternating charge, he showed that alpha particles could be deflected and thus had charge. Combining these two experiments led to looking at the emission of radium bromide gas on thin layers of aluminium, iron, gold and lead. This showed that Thompson's plum pudding model was invalid, and positively charged nuclei were at the center of atoms. For ten points, name this New Zealand born scientist who won the 1908 Nobel for showing alpha particles were deflected by gold foil.

Answer: Ernest Rutherford

8. His diplomatic triumphs included the treaties of Knared, Ogra, and Altmark, the last of which ended his nation's war with Poland on favorable terms giving it Livonia and parts of Prussia. Domestic reforms made by this husband of Maria Eleonara of Brandenburg include the *riddarhusordning* which divided the nobility into three classes, and the "Form of Government" which overhauled the country's centuries-old system of government. Count Axel Oxenstierna took control of the army after he died the Battle of Lutzen until when Queen Christina attained her majority. For ten points, name this King of Sweden who brought the nation to prominence during the thirty years war.

Answer: Gustavus Adolphus or Gustav II Adolf

9. He is asked "was hast du's mit" the organization to whom the speaker's mother had donated the jewelry left in her room. Marthe advised that the jewelry be worn in the house, and Marthe is annoyed by needing to sing three hundred masses for a dead husband, but encouraged that she can hit on the agent who had deposited the jewelry in Margarete's

room. After he impregnates Margarete, his love sits in a room with a heavy heart and pines for him in song, which is often rendered as the poem “Gretchen at the Spinning Wheel.” Seeing a vision of Helen of Troy after Mephisopholes procure’s a witch’s potion for him, for ten points , name this professor and protagonist of a work by Göthe.

***Answer:* Heinrich Faust**

10. His consort is Aya, with whom he has two children, Kittu and Misharu. He is cited by Hammurabi as the inspiration for the famous code, since justice is one of his main attributes; indeed, his two children’s names mean Justice and Law. His father was Sin, the moon, and he was the brother of Ishtar. Gilgamesh’s mother prayed to him, asking why he gave her son a restless heart, and his response is a promise to watch out for Gilgamesh. This he does by sending Gilgamesh dreams of the future, and later by helping him kick some ass. For ten points , identify this Babylonian Sun God who helped Gilgamesh and Enkidu defeat Humbaba.

***Answer:* Shamash**

11. Arab and Malay sailors probably knew of the islands of this country by the 10th century but they remained uninhabited until settled by the Dutch in the 1600’s. After the Dutch abandoned them, the French and then the British ruled Agalega, Rodrigues, and St. Brandon, which became part of this country, along with neighboring Reunion. For ten points, identify this island nation about 550 miles east of Madagascar in the Indian Ocean named for Prince Maurice of Nassau and perhaps best known as the former home of the Dodo bird.

***Answer:* Mauritius**

12. An augmented fourth, a major third, and a perfect fourth comprise, from the bottom up, the chord named for it; the composer used the chord repeatedly without resolution in the opening motif of this work. Lines from it were quoted twice in T.S.Eliot’s “The Waste Land”, both in the section “Burial of the Dead,” and in the original German. Eliot’s appropriation of the libretto probably stems from the incorporation into Arthurian mythology of one of the title characters. The second quote, “Oed und leer das Meer”, was said by the shepherd in the third act after Kurwenal bids him to keep a look out for a ship as a title character lay dying. For ten points, what is this Wagnerian opera based on a Gottfried von Strassburg romance, in which the title couple fell in love after drinking a supposed poison mixed by the handmaid Brangaene.

***Answer:* Tristan und Isolde**

13. Targeted mutations in the HR6B ubiquitin-conjugating enzyme, Ube2b and Camk4 disrupt differentiation in these cells, perhaps because chaperones must displace translationally modified histones, which are replaced by arginine-rich protamines. They lack their most prominent feature in decapoda, whose cells are spherical in pure water and protrude spikes in more saline solutions. Covering the head is an acrosome, while the middle contains mitochondria which power the filament-rich posterior flagellum. For ten points, name these haploid gametes that can fertilize an egg to form a zygote.

***Answer:* spermatzoa / spermatozoon**

14. He learned that waltzing can make you sore, lacrosse conditioning entails two days of jogging and three days of lifting, you don't wear a jock strap for soccer, and because it's early, spanking oneself in the shower is impractical so using the bed and unloading in a towel is the preferred methodology. The recipient of these confessions then said that this would cause the speaker's cute butt to bounce in the air, which he called a nice "mental image." In a September 29 speech, he apologized "for letting down my family and the people of" Florida's sixteenth district in a resignation speech. For ten points, name this chairman of the House Caucus on Missing and Exploited Children who allegedly sent inappropriate IMs to underage congressional pages.

Answer: Mark Foley

15. Wallace Fard claimed to be the reincarnation of Timothy Drew, founder of a similar movement, and began recruiting in Detroit. Once there, Elijah Poole was designated to start the organization's branch in Chicago. One of its most famous members and leader of its New York temple asserted that the Kennedy assassination was "chickens coming home to the roost," but was expelled and shot by three members in a Harlem ballroom. Despite the rift with Elijah Mohammed and later orthodox leanings, Malcolm Little remains the best known representative of, for ten points, what Black muslim group led today by Louis Farrakhan?

Answer: The Lost-Found Nation of Islam in the West

16. In 1843, it famously published Thomas Hood's poem the Son of the Shirt, about the inequalities of capitalism. Its parent company, Bradbury and Evans, took in Charles Dickens after his failure to secure an advance for A Christmas Carol, and its correspondents were involved with several of his Christmas novels afterwards. Its subtitle was inspired by a 1830s French magazine of the same vein, and is derived from a term meaning to ride the stang or be publicly humiliated. Subtitled the London Charivari, this was what magazine that shut its doors in 2002, whose political cartoons provided insight into the British zeitgeist during the Victorian era?

Answer: Punch

17. His namesake dimension is the upper limit of the Minkowski-Bouligand dimension of fractals. His name is also identified with the T-zero spaces in topology. His three axioms in probability theory states that the probability of an event is non-negative, the probability of the entire sample is 1, and probabilities of disjoint events are countably additive. Formally speaking, in computer science, his namesake complexity of a string is the shortest description of the string in some fixed language. For ten points, name this K of KAM theory, responsible for the probabilistic law that tail events would either almost surely happen or almost surely not happen.

Answer: Andrey Nikolavich Kolmogorov

18. Jacob Epstein would not call it a tiger, but he would call it a boat, fish, or new moon. These opinions were elicited by Higginbotham during a cross-examination in Justice Waite's court after Edward Steichen was ordered to pay \$ 240 for importing this item, classified as a utensil or surgical instrument, and brought the suit with the help of Mrs. Harry Payne Whitney. Seven were made in marble, and nine were made in bronze with the base narrowing to a small point about a quarter of the way up before bulging again

about two thirds up the narrow statue. For ten points , name this subject of the case *Brancusi vs. The United States*, which may or may not depict an airborne avian.

Answer: Bird in Space

19. *The Other Side of Darkness* unexpectedly shows a woman coming out of a coma. *Firestorm* includes an underwater escape scene and Harrison Ford jumping out of a plane. *The Muted Heart* stars Glenn Close and Sally Field, while *Cry Cry Again* has a loaf of bread symbolizing the soul. *Ponce De Leon* has a ridiculous scene in which everyone is splashing in the fountain of youth before running to a mirror to see if it worked. "When someone tries to blow you up, not because of who you are, but for different reasons altogether," is the premise of *Deathblow*. FTP, what do all these have in common with *Sack Lunch*, *Prognosis Negative*, *Checkmate*, *Chunnel*, and *Rochelle, Rochelle*?

Answer: fake Seinfeld movies (accept equivalents)

20. This artist met and drew a sketch of Sonofisba Anguissola while visiting Sicily in 1624, and his *Virgin and Child with Saints* can still be seen in Palermo. After returning from Italy, he painted a *Crucifixion with St. Dominic and Catherine of Siena* and portraits for wealthy patrons of Rubens who was away on foreign missions and unavailable. His 1630 portrait of Nicholas Lanier, the chief musician of the English court, and his *Rinaldo and Armida*, based on Tasso, attracted attention in England and in 1632 he was appointed "principal painter" to the English king and knighted. For ten points , name this Flemish artist best-known for his portraits of English royalty such as *Charles I on Horseback*.

Answer: Sir Anthony Van Dyck

21. In Arabic, this verb form called "mansu-b" is created by making the ending "a" or dropping "na" from the almuda-ri form. In Latin "amatus essem" is an example of the pluperfect passive form which means "I might have been loved." In German, the "Konjunktiv" is divided into two types: one used in reported speech such as in newspapers and expressing things like "wenn ich ein Vöglein wär," meaning "in the event that I were a little bird." For ten points , name this mood that unlike the factual indicative mood, expresses a wish or something contrary to fact.

Answer: subjunctive

2 Princeton Bonuses, Round 11

1. Social Darwinism was notably not invented by Darwin. For ten points each . . .
 - 10 The author of 1862's *First Principles*, in it this English author lays out his ideas about civilization being the product of an organic evolution of humankind as opposed to an artificial creation of man struggling against the environment.
Answer: Herbert Spencer
 - 10 Spencer is well known for having coined this term in order to describe his philosophy of evolution dovetailing with social achievement.
Answer: Survival of the fittest
 - 10 One of the best spoken proponents of social darwinism was this *Economist* editor who took control of the magazine from James Wilson in 1860.
Answer: Walter Bagehot

2. To be an MVP of the NBA, you have to be a bad-ass. Given a bad-ass anecdote about a one-time NBA MVP, name the player for ten points. You will get 5 points if you need the players team and year(s) winning the MVP.
 - 10 Before winning his second of three consecutive three-point shootouts, he reportedly walked into the locker room and asked his competitors, All right, which one of you is coming in second?
5 Boston Celtics; 1984, 1985, 1986
Answer: Larry Bird
 - 10 He completely dominated David Robinson in a six game series the year Robinson wrested the MVP trophy from him, outscoring Robinson 212-146 in total after not being mentioned in Robinsons acceptance speech.
5 Houston Rockets; 1994
Answer: Hakeem Olajuwon
 - 10 Upon being asked to predict how his team would fare in the playoffs, this man answered simply, Fo Fo Fo, predicting three sweeps. He was just one game off.
5 Houston Rockets 1982, Philadelphia Seventy-Sixers 1983
Answer: Moses Malone (prompt on "Malone")

3. For ten points each, answer these questions about a biblical tale.
 - 10 As told in Second Samuel, David falls in love with this woman, and sends her husband off to die in battle in order to marry her.
Answer: Bathsheba
 - 10 Who is that Hittite husband of Bathsheba, whom David orders into battle after he refuses a command to "see to" his wife?
Answer: Uriah

10 After the episode is over, the Lord sends this prophet to tell David a chiding parable of a rich man who steals a poor man's only lamb.

Answer: Nathan

4. Tiglath-pileser III broke the yoke of the Urartu to the north and brought his kingdom to regional superiority. For ten points each . . .

10 First, name the kingdom Tiglath-pileser III ruled that was also ruled by such figures as Ashurbanipal and Sennacherib.

Answer: Assyrian Kingdom

10 Tiglath-pileser III was succeeded by what man, who took the name of the founder of the Akkadian dynasty in around 2350.

Answer: Sargon II or Sharru-kin

10 Tiglath-pileser III took the name of Pulu after wresting control of this kingdom from the Chaldean chief Ukin-zer.

Answer: Babylonian Kingdom

5. None of the characters have names except for the lover, Leonardo. For ten points each . . .

10 Name this play where El Novio and Leonardo die in a duel, and La Novia asks La Madre to kill her.

Answer: Blood Wedding or Bodas de Sangre

10 This Spanish poet and playwright wrote *Blood Wedding*.

Answer: Federico García Lorca

10 *Yerma*, *Blood Wedding* and *The House of Bernardo Alba* make up a trilogy that takes its name from a souther Spanish region that also describes a lusty woman in a work by Francisco Delicado and a dog in a Buñuel film.

Answer: Andalucían

6. Answer the following quasi-related questions, for ten points each:

10 This mathematical structure is defined as either a module or a vector space endowed with a binary operation on it that is bilinear.

Answer: Algebra

10 This structure is a set supplied with two binary operations and one unary operation and containing 0 and 1. It satisfies the axioms of associativity, commutativity, absorption, distributivity, and complements. Identities that hold on it include the complementarity of 0 and 1, and de Morgan's law.

Answer: Boolean Algebra

10 This structure defined over a given set is a collection of subsets that is closed under countable unions and intersections. It can also be defined as an object that is both a p-system and a d-system over the given set.

Answer: sigma algebra

7. Identify these similarly titled works for ten points each.

10 This series concerns the relationship between Dr. Stephen Maturin and the central character, who once was asked for a condiment by Lord Nelson.

Answer: Master and Commander

10 This Bulgakov work watches Moscow unravel after Berlioz's head gets removed by a trolley.

Answer: Master and Margarita

10 This Tolstoy short story details a landowner Vasili Andreevich Brekhunov and his servant Nikita lost in the wilderness.

Answer: Master and Man

8. Given a description of an economic concept, name its creator, for ten points each.

10 Input-output analysis used to examine how different sectors or industries affect each other.

Answer: Wassily Leontief

10 A "q-value" which gives the current market value of a firm divided by the replacement cost of its assets. High values of his "q" should lead to capital investment by firms.

Answer: James Tobin

10 An economic "law" which says that bad money drives out good money.

Answer: Sir Thomas Gresham

9. He was an apprentice to William Bradford, and in 1733 printed the first issue of the *New York Weekly Journal*. For ten points each ...

10 Name this German immigrant who printed America's first party paper.

Answer: John Peter Zenger

10 Zenger was defended by this Philadelphia lawyer, who shares his name with the current provost of Yale, a colonial governor of New Jersey, a provisional governor of Texas. He also founded a watch company which is now a regional jeweler.

Answer: Andrew Hamilton

10 The attacks of Zenger were directed against William Crosby, was appointed by this King of England to replace John Montgomerie in 1732.

Answer: George II of Hannover

10. Magnetic materials exhibit a variety of interesting phenomena. FTPE, answer some questions about a particular one.

10 This variety of magnetism the most commonly known is exhibited by most permanent magnets, involving all domains aligning with the magnetizing field and retaining their magnetization.

Answer: Ferromagnetism

- 10 This is the name for the curve displaying the resistance to and retention of magnetization when a ferromagnetic material is exposed to a varying magnetic field.
Answer: Hysteresis curve
- 10 Above this temperature, the hysteresis curve disappears as does any ability to retain magnetization and the material is now paramagnetic.
Answer: Curie temperature
11. Omar Abdul-Rahman said that if he had been punished for *Children of the Alley*, Rushdie wouldn't have received a fatwa. For ten points each . . .
- 10 Name this author of *The Thief and the Dogs*, *The Beggar*, *Talk of Morning and Evening*.
Answer: Najib Mahfuz
- 10 What Mahfuz trilogy is made up of the parts: *Palace Walk*, *Palace of Desire*, and *Sugar Street*?
Answer: The Cairo Trilogy or Al-Thulathiyah
- 10 Many of Mahfouz's works were banned (in addition to religious reasons) because of his vociferous support of this Egyptian president who shared a Nobel peace prize with Menachem Begin.
Answer: Muhammad Anwar al-Sadat
12. For ten points each, answer the following about the labors of Heracles.
- 10 The labors were directly set by this king, who, with the help of Hera, had taken Heracles's royal birthright.
Answer: Eurystheus
- 10 Heracles's first labor, by most accounts, was the slaying of this beast and the acquisition of its hide, which was impermeable to weapons.
Answer: Nemean Lion
- 10 A later labor forced Heracles to travel to the island of Erytheia, where he was to obtain cattle belonging to this giant.
Answer: Geryon
13. Answer these questions about battles memorialized in poetry for ten points each.
- 10 This Crimean War battle was the subject of Tennyson's "Charge of the Light Brigade."
Answer: Battle of Balaklava
- 10 Canadian physician John McCrae's 1915 poem, "In Flanders Fields," was composed in an ambulance near the Canal de l'Yser, just north of what battle site?
Answer: Ypres

- 10 A 10th century Old English poem of the same name commemorates what 991 battle, in which the Anglo-Saxon subjects of Ethelred the Unready, led by Brithnoth, fell to a Viking invasion by the River Blackwater?

Answer: Battle of Maldon

14. Answer the following about phase transitions for ten points each:

- 10 (10) This refers to the phase transition to superfluidity in liquid helium, so named because its resemblance to the shape of the specific heat vs. temperature curve near 2.2 Kelvin.

Answer: lambda transition or lambda point

- 10 Occuring at pressures and temperatures below the triple point, it is the direct conversion of a solid into a gas.

Answer: sublimation

- 10 (10) This refers to the separation of the Earth's upper and lower mantle, a phase transition between the gamma spinel structure and the perovskite structure of Mg-SiO₃, so named for the apparent depth of its occurrence.

Answer: 660 Kilometer Discontinuity

15. He pulled over on Highway 128, reached into his glove compartment, and despite the pleas of his girlfriend, who thought they were on their way to a romantic weekend in the wine country, wrote out a chemical reaction. For ten points each ...

- 10 Name this inventor and winner of the 1993 nobel prize in Chemistry.

Answer: Kary Mullis

- 10 Kary Mullis invented what procedure to amplify DNA?

Answer: Polemerase Chain Reaction

- 10 The first step in PCR is to do this to the sample, breaking the weak hydrogen bonds and making the protein give up its confirmation.

Answer: denature (accept word forms)

16. Answer some questions about a certain body of water, for ten points each.

- 10 Millions of years ago, it was linked to the Sea of Azov and to the ocean, but now it is about 1/3 as salty as the ocean. Name this large "salt lake" fed by the Volga River.

Answer: Caspian Sea

- 10 This city, the birthplace of Landau and Kasparov, is the only world capital located on the Caspian Sea.

Answer: Baku

- 10 The Garabogazkol, a salty bay often separated from the Caspian Sea by a thin sandbar is in the northwestern part of what country, 70% of which is covered by the Kara Kum desert.

Answer: Turkmenistan

17. "The Quintet", whose first recording was the 1955 "Round About Midnight," is often regarded as one of the greatest jazz groups ever. Answer the following about its members FTPE.

10 This trumpeter was the leader of The Quintet and composer of their albums, notably including *Kind of Blue* and *Birth of the Cool*.

Answer: Miles Davis

10 Davis's sideman was this tenor saxophonist, one of the pioneers of modal jazz, who went on to record influential albums like "Giant Steps" and "Love Supreme".

Answer: John Coltrane

10 The drummer for The Quintet acquired his nickname from his birth-city to avoid confusion with the then drummer of the Count Basie Orchestra. He later became one of the founders of Dameronia.

Answer: Joseph Rudolph "Philly Joe" Jones

18. The noose became known as his "necktie" because he created a network of courts-martial. For ten points each . . .

10 Name this Russian whom Nicholas II appointed Prime Minister and interior minister in 1906.

Answer: Pyotr Arkadyevich Stolypin

10 In 1906 and 1907 he disbanded, while in 1911 he suspended what Russian lawmaking body controlled by the Octobrists?

Answer: Duma

10 That last suspension was used to extend the zemstvo system into the Russian controlled region of this former country partitioned in 1772, 1793, and 1795 and whose eastern part was given to Russia at the Congress of Vienna.

Answer: Poland

19. Scotland has contributed much to philosophy. A bit about a certain Scottish philosopher, for ten points each.

10 This eighteenth century philosopher was famously ambiguous about his supposed atheism, and well-known for writing such books as *A Treatise on Human Nature*.

Answer: David Hume

10 In this book, Hume expounded on his ideas about the construction of ideas, and on epistemology in general, famously denouncing miracles as a proof possible of religion.

Answer: An Enquiry Concerning Human Understanding or Philosophical Essays Concerning Human Understanding

10 Originally part of *Four Dissertations*, it argued that polytheism was the original state of man and outlined the psychological basis for religion.

Answer: The Natural History of Religion

20. Answer these questions about a certain short story, for ten points each.

10 In what short story does Sanger Rainsford find himself trapped on a small island, chased by a madman who hunts him for sport?

Answer: The Most Dangerous Game

10 Hunting Rainsford is this insane Cossack general, who declares that hunting animals “had become too easy” for him.

Answer: General Zaroff

10 Give the author of “The Most Dangerous Game”, who also wrote the short story “A Friend of Napoleon” and won a “Best Original Story” Academy Award for *Meet John Doe*.

Answer: Richard Connell