

PARFAIT II Round 6

Princeton

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1 Princeton Tossups, Round 6

1. In order to make sure that God has truly chosen him, he asks for two signs involving dew appearing on a piece of wool. Later on, God commands him to decrease the size of his army, keeping only those who lap water from their hands, rather than drinking from their knees. That inspired some people named after him to designate a two handled pitcher and torch as their symbol. The water incident occurs after he destroys an altar to Baal, but before he defeats a larger Midianite army which had been confused by God. For ten points, name this Israelite leader from the Book of Judges, and namesake of the group which leaves Bibles in hotel rooms.

Answer: Gideon

2. He began one of his most famous works by saying, "I hate travelling and explorers," but went on to describe his interactions with the Nambikwara and Caduvevo tribes in that book, *Triste Tropiques*, or *A World on the Wane*. He proposed the Alliance Theory of kinship in his 1949 *Elementary Structures of Kinship*, a theory contrasted with those of Radcliffe-Brown. He wanted to translate a work's title into "Pansies for Thought", but it was renamed instead *The Savage Mind*. For ten points, name this author of *Mythologiques*, containing *The Raw and the Cooked*, the founder of structural anthropology.

Answer: Claude Lévi-Strauss

3. The one invented by Calmette and Guerin has the bonus abilities of treating bladder cancer and, in mice, curing Type I diabetes. Most, however, stick to their intended function. Carrier proteins need to be conjugated if the epitope of interest is a polysaccharide, because MHC II doesn't load non-peptides. The heavy-metal containing thimerosal used to be present in many of them, leading to noncompliance. Dr. Andrew Wakefield suggested that one of them is linked to bowel disorders coupled with autism. Relatively recently produced ones include MCV4, Rotatrix, and Gardasil, while everyone has suffered through MMR. For ten points, name these preparations that confer disease immunity.

Answer: Vaccine

4. The one in Alberta is in the Sunwapta River valley of Jasper National Park, Canada, just southeast of Mount Morden Long. The one in Queensland is 100 kilometers west of Brisbane, and immediately south of Cunningham's Gap. The one in New Jersey is near the Monmouth County 9-11 Memorial, is 226 feet tall and yet the highest peak on the coastline from Maine to the Yucatan Peninsula. The tallest of these was named after a professor who determined its height, but didn't trust himself, and fell to his death verifying that it was 6,684 feet tall. Surrounded by Pisgah National Forest of the Appalachian Mountains, for ten points, this is what tallest mountain in the eastern United States?

Answer: Mount Mitchell

5. In 1870 he started the "Federation of Artists", which included Manet. His "Sleepers" depicts two women together in bed, and "The Origin of the World" shows a woman on the bed, everything below the breasts uncovered by the sheets. The Getty Museum has his "Grotto of Sarrazine near Nans-sous-Sainte-Anne." while the Met has his "Woman With

a Parrot.” He titled a self-portrait in a studio “A Real Allegory,” very fitting since he was uninterested in the imaginary. In 1840 the Salon finally accepted three of his works, including “Peasants of Flazey.” Of the other two works, one was destroyed in WWII. For ten points, name this painter of “The Stone Breakers” and “Burial at Ornans.”

Answer: Gustave Courbet

6. Gilbert Lewis invented this in 1908 and wrote it up in “The osmotic pressure of concentrated solutions, and the laws of the perfect solution.” It’s not pressure, but it comes in pressure units. For a real gas, the Gibbs free energy equation, with constant temperature as constant, is rearranged such that the chemical potential is a function of pressure. Math turns the chemical potential into a function of the natural log of the quantity of this coefficient, over a reference pressure value. Thus it is the pressure needed at a given temperature to make the properties of a non-ideal gas satisfy the equation for an ideal gas. For ten points, name this property, which is vaguely the measure of a material’s tendency to get out of a phase.

Answer: Fugacity

7. He feuded with Braxton Bragg, their hostility reaching a climax in 1863 when Bragg ordered this man’s beloved “Orphan Brigade” into a devastating loss at Stone River. His fortunes turned in 1864 when 257 Virginia Military Institute Cadets helped him rout a Union force at the Battle of New Market. Before all that, he served as the youngest vice-president in U.S. history, under Buchanan. For ten points, name this Southern Democrat from Kentucky, who defeated Stephen Douglas and John Bell but lost to Abraham Lincoln in the presidential election of 1860.

Answer: John Cabell Breckinridge

8. A 1956 paper by Dumey introduced the modern technique of implementing them, which was extended by Carter and Wegman to describe ones that for x and y the probability that it maps x and y to the same value is one over N as universal ones like ax reduced $\text{mod } p$ and then $\text{mod } N$. N is usually much smaller than the size of the universe that x and y come from, but linear probing and chaining with linked lists are two possible solutions for resolving collisions. Built into Python dictionaries, STL’s `map`, and several Java util classes, for ten points, name this function that is used to map large numbers into a much smaller range at random.

Answer: hash function

9. His first collection was *Sylvan Moon*, and while in India as ambassador, he wrote *The Monkey Grammarian* and *East Slope*. Surrealism and Cubism influenced his later poetry collection *Salamandra*, while his experiences fighting for the Republicans in the Spanish Civil War inspired early leftist poems like “Bajo Tu Clara Sombra.” His poem “Piedra de Sol”, which is about Venus, draws on Aztec mythology, while his most famous work is a long essay about his people’s politics and shame regarding their past. For ten points, name this Mexican Nobel laureate and author of *The Labyrinth of Solitude*.

Answer: Octavio Paz

10. Supporting characters include a battalion commander who is married to a batty woman who often attempts suicide, and the socially awkward Natalia who is wooed in Act I,

then married and a mother by Act II. The play ends with the words, “If we only knew, if we only knew,” as the army doctor Chebutykin hums along with a military band in the background. Those words are spoken in consolation for the death of Baron Tuzenbakh in a duel. The remaining title character is married to the schoolmaster Kulygin, and has her affair with Vershinin broken off when the nearby regiment leaves. Telling the story of Olga, Masha, Irina, and their brother Andrei Prozorov, this is, for ten points, what Anton Chekhov play?

***Answer:* Three Sisters or Tri Sestry**

11. After visiting Argos and Tiryns, he delivered a letter from the king of Argos that was written because he spurned the advances of Anteia (or Stheneboea). Given the task of saving Lycia by Iobates, this son of Glaucus was helped by a creature that was later stung by a gadfly when it approached Olympus, sprang from Medusa’s neck, and was tamed by a golden bridle. That companion helped him slay the Chimera by flying around the creature’s head on his steed. For ten points, name this hero and rider of Pegasus.

***Answer:* Bellerophon**

12. The narrator’s thumb slips on a “tin fastening” at the moment of truth. He claims that an unnamed illness has sharpened his senses, and later rationalizes that, “madness is but over-acuteness of the senses.” He thinks he’s too stealthy to be a madman, and even thinks to use a tub. For some time he takes care of an old man with a “pale blue eye,” like “that of a vulture.” That eye torments the narrator for seven days until he kills and chops up the old man to be rid of the Evil Eye. For ten points, name this Edgar Allen Poe short story, in which the narrator confesses his guilt upon hearing the title object continue to beat posthumously.

***Answer:* The Tell-Tale Heart**

13. At first, they were made of nine groups, of which only three were officially on duty at a time; the rest were stationed elsewhere to be inconspicuous. It was remade with units from Pannonia in response to its killing of Pertinax in 193 AD. Septimius Severus was also displeased by its auctioning off the empire to the highest bidder, Didius Julianus. One of its leaders, Macrinus, killed and succeeded Caracalla, while another of its leaders, Sejanus, became very influential under Tiberius. The only band of armed soldiers permitted south of the Rubicon, this is, for ten points, what elite group which formed the bodyguard of the Roman emperors?

***Answer:* the Praetorian Guard or Praetoriani**

14. A 692 battle here saw Justinian II lose to an Arab force after the desertion of thousands of his Slavic troops. In a 1941 to 1942 engagement, Romanian troops under Marshal Ion Antonescu and German troops under Erich von Manstein bombarded the city and acquired it after taking the Severnaya Bight and the Inkerman Heights. However, a year-long struggle beginning in 1854 was its most famous conflict, one in which Allied troops took the Malakoff as they were fired upon by Russians under Tottleben and Nakhimov. For ten points, name this oft-besieged Ukrainian Black Sea port.

***Answer:* Sevastopol (accept Sebastopol and Sebastopolis)**

15. It was first synthesized by Aleksandr Butlerov and later identified by Wilhelm von Hofmann. When mixed with sulfuric acid, it makes the Marquis reagent, which is used to test for MDMA, though the reagent can also detect and distinguish cocaine, amphetamines, opiates, and other alkaloids. It is the simplest of the family of compounds that can undergo the Cannizaro reaction. In laboratories, it is used at 37% concentration to permanently crosslink proteins to DNA, an ability which makes it a potent carcinogen. It can self-polymerize into polyoxymethylene, and with phenol it can polymerize into Bakelite. For ten points, name this tissue preservative, the simplest aldehyde.

Answer: Formaldehyde, also accept methanal, formalin, formol, methyl aldehyde, methylene oxide

16. The second musical number takes place in the Uffizi Galleries, while the mother tries to get the daughter away from her crush. The daughter meets her eventual husband by way of losing her hat, which he returns. Both the Naccarelli family and the protagonist's mother are disappointed in the matches they've made thus far, and are unwilling to risk another. For some unfathomable reason, the marriage goes ahead anyway – even though Giuseppe thinks the girl is too old for Fabrizio, while Margaret knows that Clara got kicked in the head as a child and is mildly retarded. For ten points name this Broadway musical set in Florence.

Answer: The Light in the Piazza

17. “Half of a Yellow Sun” is an account of its more or less revolutionary war. Its national anthem was set to the tune of Finlandia, some of its weapons came from Israel, and its currency was printed in Portugal. The Hausa were accused of persecuting the Ibo people, and it was created with its capital at Enugu by Lieutenant Colonel Chukwuemeka Ojukwu. In May 2000 Olusegun Obasanjo revoked the dismissal of officials who had supported the rebellion that stemmed from a failed 1966 coup in Abuja. For ten points, this is what briefly independent republic that seceded from Nigeria from 1967 to 1970.

Answer: Republic of Biafra

18. Book one begins with the author remarking that death seems to never come for the sorrowful. His “sickness” that he has “forgotten what [he is]” is diagnosed as he is asked “what is a man?” and whether he knows the beginning and end of all things. This conversation occurs with a visitor bearing a Pi and Theta on her gown, the Lady of Philosophy, who discusses the intrinsic good which Fortune cannot extinguish. One of the last examples of classical philosophy, this is, for ten points, what most famous work of the philosopher Boethius?

Answer: The Consolation of Philosophy or Consolatio Philosophiae

19. Along with Rick Barry and Isiah Thomas, he is one of three players in NBA history with an All-Star Game MVP and a Finals MVP but no regular season MVP. In 1965, he set an NBA record by scoring 278 points in a 6 game playoff series against Baltimore, while his finals MVP came in a 1969 loss to the Celtics. In 1972 he teamed with Wilt Chamberlain to lead the Lakers to an NBA record 33 game winning streak and the title. For ten points, name this current Memphis Grizzlies executive nicknamed “Mr. Clutch”, the player featured on the logo of the NBA.

Answer: Jerry West

20. The novel's protagonist is kicked out of the "Night of Joy" club for talking too loudly about a trip to Baton Rouge. His mother, Irene, gets into a car accident and forces said character to get a job working with Mr. Gonzalez and Ms. Trixie, though he is fired from Levy Pants after leading a failed revolt. Said revolt was an attempt to impress his sort-of pen pal, Myrna "The Minx" Minkoff. The world lacks proper "theology and geometry," as evidenced by a school pornography ring. For ten points, name this comic novel about a fat, flatulent eccentric in New Orleans, by John Kennedy Toole.

Answer: A Confederacy of Dunces

21. Two lines in this *terza rima* poem are "Yellow, and black, and pale, and hectic red, / Pestilence-stricken multitudes!" The title entity "waken[s] from his summer dreams" by "the blue Mediterranean." The poet compares that entity to an "enchanter" with ghosts fleeing before it, and "the bright hair uplifted from the head / Of some fierce Mnad." An entreaty is made to "lift [the poet] as a wave, a leaf, a cloud!" Beginning by addressing "thou breath of Autumn's being," and ending with the line, "If Winter comes, can Spring be far behind?", this is, for ten points, what Percy Shelley poem?

Answer: Ode to the West Wind

2 Princeton Bonuses, Round 6

1. It was published in 1916, three years after its author's death, by two former students.
 - 10 For ten points, what is this treatise, which pioneered structural linguistics and which divides the concept of "langage" into two discrete parts?
Answer: Course in General Linguistics or Cours de linguistique générale
 - 10 For another ten, give the Swiss linguist from whose lectures the Course in General Linguistics was composed.
Answer: Ferdinand de Saussure
 - 10 Saussure coined this term for an individual's use of language which also is used to denote an early prison release.
Answer: parole

2. Its heraldic badge depicts ostrich feathers, and its motto is "Ich dien", meaning "I serve."
 - 10 For ten points, what is this title given to the heir apparent to the monarchy of the United Kingdom?
Answer: Prince of Wales
 - 10 The title was likely given its current usage by this English King. He named his son Prince of Wales in 1301, but is probably more famous for his conquest of Scotland, which included a victory over William Wallace at the Battle of Falkirk.
Answer: Edward I or Edward Longshanks (prompt on "Edward")
 - 10 Legend has it that both the motto and the three ostrich feather emblem were started by this man, when he defeated King John of Bohemia. He was also the first English Prince of Wales to die without becoming king.
Answer: Edward, the Black Prince (need both parts, prompt on just one part)

3. For ten points each, because we are living in a material world ...
 - 10 This is defined as a solid in which the constituent particles are packed in a regularly ordered, repeating pattern extending in all three spatial dimensions.
Answer: Crystal
 - 10 This, in theory, is an object that absorbs 100% of the radiation that falls on it. It emits radiation of its own, which is only dependent on its temperature.
Answer: Black body
 - 10 This law states that specific heat capacity is equal to 3 times the gas constant divided by the molar mass of the solid. It works better at high than low temperatures.
Answer: Dulong-Petit

4. Suffer along with your author as she is forced against her will to learn computational biology.

10 This word is defined as a complete DNA sequence of one complete set of chromosomes.

***Answer:* Genome**

10 The project was partly funded by this Institute in Great Britain, named after the man who first invented a DNA sequencing method.

***Answer:* Sanger Institute**

10 Researchers often need to search for sequences similar to something that they cloned out. Being able to search complete genomes of organisms make this easy. Name this NCBI-maintained algorithm and program that searches for matches to some input sequence.

***Answer:* BLAST or Basic Local Alignment Search Tool**

5. “Senator, I served with Jack Kennedy. I knew Jack Kennedy. Jack Kennedy was a friend of mine. Senator, you are no Jack Kennedy.”

10 For ten points, this scathing retort was addressed to what 1988 Republican vice-presidential candidate, who had compared his term of service in congress with JFK’s.

***Answer:* James Danforth “Dan” Quayle**

10 The lines were delivered in a debate by what Democratic vice-presidential candidate, a four term senator from Texas who later served as Treasury Secretary under Clinton.

***Answer:* Lloyd Millard Bentsen, Jr.**

10 In a speech at the 1992 Republican National Convention, who poked fun at his own age by saying, “This fellow they’ve nominated claims he’s the new Thomas Jefferson. Well, let me tell you something. I knew Thomas Jefferson. He was a friend of mine. And governor, you’re no Thomas Jefferson.”

***Answer:* Ronald Wilson Reagan**

6. Answer the following about a religion that might like Special K cereal.

10 One odd feature of this religion is that at one point, all women were given the surname “Kaur.”

***Answer:* Sikhism**

10 For ten points, who was its first Guru, who proclaimed “There is no Hindu, there is no Muslim?”

***Answer:* Guru Nanak Dev Ji**

10 Literally meaning “the first book”, it is a compilation of Sikh Scriptures by Guru Arjan.

***Answer:* Adi Granth**

7. Given a description, name the Aaron Copland work for ten points each.

10 This was at first a ballet commissioned by Martha Graham, later rearranged into an orchestral suite of the same name.

***Answer:* Appalachian Spring**

10 It was premiered on March 12, 1943 at income tax time; Copland remarked that it was an especially appropriate date to honor the titular entity.

***Answer:* Fanfare for the Common Man**

10 Copland wrote this piece for a not so common man. It incorporates spoken portions, and has been narrated by personages such as Cal Sandburg, Margaret Thatcher, and Adlai Stevenson.

***Answer:* Lincoln Portrait**

8. In 1998, Random House's Modern Library released two lists of "The 100 Best 20th Century Novels", one composed by their own board, the other made by readers.

10 Rounding out the board's top ten was this novel about the Joad family by Steinbeck.

***Answer:* The Grapes of Wrath**

10 The third place book on the reader's list is this L. Ron Hubbard sci-fi epic, recently adapted into a badly-received movie. The Modern Library board didn't list it at all.

***Answer:* Battlefield Earth**

10 Conversely, this 1940 Arthur Koestler novel was eighth on the board's list but didn't make the readers' top 100. It deals with the trials of the Bolshevik revolutionary Rubashov.

***Answer:* Darkness at Noon**

9. For ten points each, answer the following about a band, an album, and a little controversy.

10 Stadium Arcadium, this band's chart-topping, May 2006 album, was their ninth studio album and contains such songs as "She's Only 18", "Especially in Michigan", and "Storm in a Teacup."

***Answer:* Red Hot Chili Peppers (prompt on "RHCP" or partial name)**

10 This hit song, the first track on Stadium Arcadium, was released separately as a single. It tells of a recurring character from previous Chili Pepper albums, describing how she becomes a bank robber.

***Answer:* "Dani California"**

10 A presentation on a Delaware radio station alleged that the Chili Peppers plagiarized what 1993 Tom Petty hit in making "Dani California," saying, "the chord progression, the melody, the tempo, the key, the lyrical theme: they're identical."

***Answer:* "Mary Jane's Last Dance"**

10. Answer the following about a character in Greek Mythology, for ten points each.

- 10 She stupidly bragged about her numerous children, whose sons were killed by Apollo. Who is this matron, who turned to stone as she wept?
Answer: Niobe
- 10 Niobe's daughters, however, were killed by this goddess of the Hunt.
Answer: Artemis (don't accept "Diana")
- 10 In some stories, this daughter of Niobe is left alive, though she is scared enough to change her name from Meliboea to one meaning "the pale one."
Answer: Chloris
11. (Bonus to moderator if done with proper voice) For ten points each – differential diagnosis, people!
- 10 This disease is caused by a cycobacterium, much like tuberculosis. The difference being, 95% of the human population is naturally immune to this disfiguring skin disease.
Answer: Leprosy or Hansen's disease
- 10 This disease is defined as an immune response to one's own cellular nuclei, usually the DNA or histones. It often presents with a butterfly-shaped facial rash.
Answer: Systemic Lupus Erythematosus
- 10 This condition results from overexposure to glucocorticoids, usually from an adrenal or a pituitary tumor.
Answer: Cushing's syndrome/disease/basophilism/etc, pituitary basophilism, panhypopituitarism
12. Seven members of Bugs Moran's gang were lined against the wall and shot by men disguised as police officers.
- 10 For ten points, name this 1929 massacre which occurred on the North Side of Chicago.
Answer: St. Valentine's Day Massacre
- 10 The St. Valentine's Day Massacre was perpetrated by followers of this gangster, convicted on tax evasion charges in 1931.
Answer: Al Capone
- 10 The massacre itself was designed by this Capone henchman, appropriately nicknamed "Machine Gun."
Answer: Jack McGurn
13. Answer the following about a Pope, Alexander Pope, for ten points each.
- 10 One of Pope's most famous work was this 1711 poem of heroic couplets, which begins, "Tis hard to say, if greater Want of Skill / Appear in Writing or in Judging ill,"
Answer: An Essay on Criticism

- 10 The phrase “eternal sunshine of the spotless mind” comes from this Pope poem, about a true-life couple wherein the woman’s uncle had the man’s penis cut off.
Answer: “Eloisa to Abelard”
- 10 In 1733, Pope satirized George II with a poetry collection entitled “Imitations” of this Roman poet.
Answer: Horace (accept Quintus Horatius Flaccus; the collection is called “Imitations of Horace”)
14. He was victorious at the 1822 Battle of Pichincha, and served briefly as president of the province of Quito.
- 10 For ten points, name this trusted general and good friend of Simon Bolivar, namesake of a South American capital.
Answer: Antonio José de Sucre
- 10 Sucre was known as the “hero” and “grand marshal” of this December 1824 battle that secured the independence of Peru.
Answer: Battle of Ayacucho
- 10 Sucre was born in Cumana, Venezuela, then a part of this Spanish viceroyalty which encompassed most of modern Colombia.
Answer: Viceroyalty of New Granada or Nueva Granada
15. Answer the following about a playwright, for ten points each.
- 10 His “Classical Tetralogy” was written in the seventeenth century and includes such plays as Horace, Cinna, and Polyucte.
Answer: Pierre Corneille
- 10 Pierre Corneille first rose to fame after being commissioned to write verses for this clergyman’s visit to Roen.
Answer: Cardinal-duc Armand Jean du Plessis de Richelieu
- 10 Corneille also did a verse translation of this work by Thomas à Kempis.
Answer: Imitation of Christ (or De imitatione Christi)
16. Answer the following related to an argument and a philosopher, for ten points each.
- 10 It argues for belief in God by outlining the possibilities in each case: Belief in God has the possibility of no loss and infinite reward, while lack of belief allows for infinite loss and no reward.
Answer: Pascal’s Wager (also known as Pascal’s Gambit or Pascal’s Third Wager)
- 10 Pascal became a devout follower of this minor Christian sect late in life. Founded by a Flemish theologian, it supported the teachings of St. Augustine, arguing for predestination.
Answer: Jansenism

- 10 In defense of Jansenism, and in particular the persecuted Antoine Arnauld, Pascal wrote this series of eighteen diatribes from 1656 to 1657, under the pseudonym Louis de Montalte.

Answer: Lettres Provinciales or Provincial Letters

17. Related questions FTPE.

- 10 It was renamed Shonanto during WWII, then restored to its original name, which loosely means “Lion City.”

Answer: Singapore

- 10 Lee Kuan Yew formed this party in 1954, which has dominated Singaporean politics since the country’s independence.

Answer: People’s Action Party or Renmin Xingdongdang

- 10 In September, 1963 Lee oversaw Singapore’s ill-fated merger with this nation whose capital is Kuala Lumpur.

Answer: Federation of Malaysia

18. It tells the story of the title character’s unhappy marriage to Shama Tulsi.

- 10 For ten points, name this 1961 work set in Trinidad, in which Mohun becomes, among other things, a journalist who writes a series called “The Deserving Destitute.” Oh, and he can’t get a good place to live.

Answer: A House for Mr. Biswas

- 10 Give the author of A House for Mr. Biswas, the winner of the 2001 Nobel Prize in Literature.

Answer: Sir Vidiadhar Surajprasad (“V.S.”) Naipaul

- 10 Naipaul’s Booker Prize was not awarded for A House for Mr. Biswas but rather for this 1971 book of five tales. The title work is a short novel concerning Bobby and Linda in a despot-ruled African nation.

Answer: In A Free State

19. Answer the following math questions for ten points each.

- 10 This operation on a function F is defined as $\text{del cross } F$.

Answer: Curl

- 10 His theorem says that “the line integral of the tangential component of a vector function over some closed path equals the surface integral of the normal component of the curl of that function integrated over any capping surface of that path.”

Answer: Stokes

- 10 Consider an electric field E with charge density ρ . It can be shown that del squared of the potential equals negative ρ over epsilon naught. Name this equation, which when there is no charge, reduces to Laplace’s equation.

Answer: Poisson’s

20. Take a picture, it'll last longer. Name the photographer for ten points each.

10 He took shots of Yosemite Valley, nature, as well as the Japanese internment camps.

Answer: Ansel Adams

10 He founded the Photo-Secession group and is perhaps best known for a series of photographs of his wife.

Answer: Alfred Stieglitz

10 She worked for the Farm Security Administration, and is best known for depression-era pictures like *Migrant Mother*.

Answer: Dorothea Lange