

PARFAIT Round 6

Rutgers-Newark

Shah Ali, Ryan Chadha, Richard Emanuel, and Andrew Verdun

December 5, 2005

1 Rutgers-Newark Tossups, Round 6

1. A second wave of them flourished under Nero and their lives were catalogued and celebrated in a text by Philostratus. Some texts by them include *On Nature, or the Non-Existing, Concerning Xenophanes, etc.*, and *Hercules at the Cross-Roads*. The last was written by Hippias of Elis, and the former two were written by a Lioni native, Gorgias. The basis of their philosophy lies in their belief that the actual logical validity of an argument is irrelevant; it is the audience that determines whether an argument is true or not. FTP name this philosophical group whose first member was Protagoras, the famous opponents of Socrates.

Answer: Sophists (accept Sophism)

2. Its opening credits film inspired the opening credits of Michael Powell's 1960 film *Peeping Tom*. Its opening sequence has elicited comparisons to Tennyson's "Crossing the Bar," for it features a close-up of a horizontal bar seemingly suspended in mid-air, then rapid zoom-out once a hand grabs it. However, a more famous shot occurs a few minutes later, which consists of a simultaneous zoom-in and track-out: the result is that the foreground remains stable while the background expands backwards. It is at this point in the film that Scottie Ferguson determines he has the titular condition. FTP name this Hitchcock film in which Scottie, played by Jimmy Stewart, twice loses the woman he loves.

Answer: Vertigo

3. At his retirement in 1963, this player held 17 major league and nine all-star game records. Although he joined the army like most players in his era, he also lost most of his 1945 and 1946 seasons serving as a seaman for the United States Navy. At the 1962 All-Star Game, President Kennedy said to him, "A couple of years ago they told me I was too young to be president and you were too old to be playing baseball. But we fooled them." Ranking fourth all time in hits behind Pete Rose, Ty Cobb, and Hank Aaron, FTP, this is what National League Hall-of-Fame outfielder, immortalized with a statue outside Busch Stadium in Missouri?

Answer: Stan Musial

4. P. Langevin and other Frenchmen built an ultrasonic submarine detector in 1917 which put this effect to use by sandwiching a quartz mosaic between two steel plates. The brothers Jacques and Pierre Curie demonstrated this quality in 1880, and it was named in 1824 by David Brewster. It allows Rochelle salt to be used in crystal microphones, and lead zirconate to be used in medical imaging processes, since pressure applied to a lattice will cause it to generate a voltage. FTP name this effect found in certain crystals named after the Greek word for push.

Answer: Piezoelectric effect or piezoelectricity

5. There are about 6 million total of them, and they come in the varieties L, M, and S. The M variety is the most sensitive, and the S variety is by far the rarest. The combination of all three is what actually makes them function, through the opponent process, in the familiar way. They're about 50 micrometers long, and each one contains a synaptic

terminal, an inner segment, and an outer segment, the last of which contains light-absorbing materials. They are mostly concentrated in the fovea, and even with their complete loss, people still retain night vision. FTP, name these cells which allow for color vision.

Answer: cones

6. In the 17th century, the Luba and Lunda controlled it, and in the early 19th century M'Siri founded a kingdom here until killed by the Belgians. Beginning in 1884, Belgian rule saw the province's natural resources of tin, cobalt, copper, and diamonds fully utilized, while the remainder of the country remained underdeveloped. It was renamed Shaba in 1971, and as a result of its most famous action the UN instituted the National Conciliation Plan in 1963 to return it to its native country. FTP, identify this province that under Moise Tshombe broke away from Patrice Lumumba-led DRC and declared itself independent.

Answer: Katanga

7. In the special case where all forces are inverse-square laws, it implies that the time-average of the potential energy of a system is twice the total energy, and with it one can derive Boyle's Law for perfect gases. Specifically, it claims that the average kinetic energy of a system is given by minus one-half times the sum of dot product of the position and force vectors of each particle in the system. FTP, identify this theorem which states that when a system changes from one equilibrium state to another, the difference in energy goes equally into the internal energy of the system and radiation/other loss mechanisms.

Answer: Virial theorem

8. The Orangedrink Lemondrink Man molests one of the protagonists at the movie theater to watch *The Sound of Music*. Velutha's affair with Ammu results in her being banished from her home and dying at the age of 31, because of caste differences. The nickname "Elvis the Pelvis" ominously sexualizes little Estha. It is set in Kerala, which is known for its relative freedom of women. Although its author denies it, some stylistic influences by Rushdie include capitalizing significant words and running together other words. Sophie Mol's accidental death-by-drowning in the beginning is the pivotal event for the two-egg twins Estha and Rahel. FTP name this 1997 Booker Prize-winning work, the most famous by Arundhati Roy.

Answer: The God of Small Things

9. Although she was originally one of the twelve Olympians, she gave up her seat in the heavens for Dionysus so she could tend her sacred duties. This goddess was once almost raped by Priapus, a lesser fertility god, but was saved by the braying of a donkey. That was a good thing, because as an adult she was forced to stop the advances of both Apollo and Poseidon and vowed to remain a virgin. FTP, name this oldest daughter of Rhea and Cronus, who was the first to receive an offering at every public or private sacrifice in Greece.

Answer: Hestia (do not accept "Vesta")

10. One of his grandfathers participated in the Boston Tea Party, while another knew James Fenimore Cooper and defended Fort Stanwix. His poetry includes "Clarel" and "Battle Pieces", but it is for his novels that he is remembered. His first novel, *Redburn: A First*

Voyage details his experiences as a cabin boy on a ship from New York to Liverpool. Creator of such characters as Tobias Green and Amaso Delano, this is, FTP, what author of *The Confidence Man* and *Billy Budd*?

Answer: Herman Melville

11. Despite being discharged early from the hospital from an intense illness, for which the doctor wrote the initials N.G. on his hands, he wrote about his victory over the illness in *Irritation and Folly*. After his marriage with Caroline Massine, he refused a job as a chemical engineer and made some money writing for the journal *Producteur*. He recognized a universal law in the sciences that he called the “law of three phases.” He became secretary and collaborator of Henri Saint-Simon and coined the word “altruism” and wrote *Système de Politique Positive*, but his magnum opus is *Cours de Philosophie Positive*. FTP name this man known as the “Father of Sociology.”

Answer: Auguste Comte

12. He was knighted by the near-death of Richard II, and in 1403 he assumed command against the rebels in Wales. After spending five years at war, he demanded a voice in government opposite his father and Thomas Arundel, Archbishop of Canterbury. A conspiracy to install Edmund Mortimer as king marred his accession to the throne. Under his reign, the doctrine of “dominion by grace” prompted him to sacrifice his old friend Sir John Newcastle because it was being promoted by the revolting Lollards. Although he died at the siege of Meaux, he is best remembered for a 1415 battle. FTP, name this English king, the victor at the battle of Agincourt.

Answer: Henry V

13. Signed on March 25th, 1802, it confirmed “peace, friendship, and good understanding.” Along with the Treaty of Luneville, it marked the end of the Second Coalition. It fixed the borders of French Guiana, saw France withdraw from the Papal States, and gave British control of Ceylon and Trinidad. The treaty was made possible after William Pitt stepped down, although he violated it again after seizing power. FTP, identify this “definitive treaty of peace” signed by Napoleon and Cornwallis that saw England finally recognize the French Republic.

Answer: Treaty of Amiens

14. A close associate of Ernst Bassermann, he started off his career in the National Liberal Party of Germany and was elected for the first time in 1907 into the Reichstag. His right-wing leanings lead to his exclusion from the nascent German Democratic Party, and he founded his own party, the German Peoples Party, D.V.P. He shared with Aristide Briand the Nobel Peace Prize in 1926 for the reconciliation between Germany and France, however short-lived it may have been. He heavily influenced the signing of the pact that led to Germany’s admittance to the League of Nations. A famed Weimar Republic politician, this is, FTP, what chief architect of the Locarno Pact?

Answer: Gustav Stresemann

15. The day started with Hooker’s men firing on Jackson’s, with the combined firepower of both sides neatly cutting down an entire cornfield, as well as about 8,000 men. James

McPherson wrote in his book *What If* an article called “If the Lost Order Hadn’t been Lost” regarding this battle. Robert E. Lee had been dealt a setback at South Mountain three days before, and this battle resulted in the deaths of six generals and 22,700 casualties on both sides, ending Lee’s invasion of Maryland. FTP name this September 1862 battle, the bloodiest of the Civil War.

Answer: Battle of Sharpsburg or Battle of Antietam

16. Its best-known character is the progenitor of Dogberry, Lady Froth, Mrs. Slipslop, and Tabitha Bramble. Faulkland convinces himself that his lover Julia is insufficiently amorous with him. The mischievous Sir Lucius O’Trigger’s Irishness and noxiousness had to be toned down after a disastrous opening night. It turns out that the protagonist is competing with himself for the hand of his beloved, whom he woos in the guise of a poor ensign. Indeed, Sir Anthony Absolute wants his son Captain Jack Absolute to marry Lydia Languish, too, who is desirous of a whirlwind romance. FTP, name this Richard Brinsley Sheridan play which introduced to the English language the word malapropism.

Answer: The Rivals

17. Hausdorff provided a metric which is now used in one definition of them, and one of the earliest papers on them famously claims that Britain’s coastline has an unbounded length. Many of the most famous ones are determined by iterative functions in the Complex plane, and they are frequently used in computer graphics to generate landscapes. Some definitions of them attempt to use the property of self-similarity at every scale, meaning that as you zoom in on extremely small parts they still resemble the whole. FTP, identify this type of graph, famous examples of which include the Julia Sets and the Mandelbrot Set.

Answer: fractals

18. In this city, which generates its power from a dam five miles east at Montmorency Falls, one can climb to Dufferin Terrace to gaze across the river at the town of Lévis. Its Château Frontenac is built on the alongside Cape Diamond and the Louise Basin, on top of Stadacona, a former village of the Huron. Its Place Royale is home to the Church of Notre-Dame des Victoires as well as the Cathedral of the Holy Trinity, the oldest Anglican cathedral in Canada. Its suburb of Saint-Foy hosts Laval University, and the city itself is on the confluence of the Saint-Charles and Saint-Lawrence rivers. For 10 points, name this capital city of a namesake French-speaking province.

Answer: Quebec City or Ville de Québec

19. In her memoir *One Writer’s Beginning*, she writes, “Photography taught me that to be able to capture transience...was the greatest need I had.” In her first published story, “Death of a Traveling Salesman,” the bachelor businessman Bowman understands both his loneliness and the relationship between his two rescuers from his wrecked car. Appearing first in the *New Yorker* in 1969 as a short story is her autobiographical work about the widow Laurel who returns to Mississippi when her father is ill and witnesses his death and funeral titled *The Optimist’s Daughter*. FTP name this Mississippi-born novelist whose most famous work is the story about Sister who leaves her home to escape her family entitled “Why I Live at the P.O.”

Answer: Eudora Welty

20. The allegedly earliest mention of it was made by Mo-Ti, a 5th century B.C. Chinese philosopher, who referred to one of its parts as a “locked treasure room.” The Islamic scientist Alhazen explained its governing principle with an experiment that employed five lanterns outside a room with a small hole. Image quality was improved by the addition of a convex lens into the aperture and later, the addition of a mirror. Della Porta recommended its most familiar use in *Magiae Naturalis* in 1558. It was used in the creation of *The Music Room* and *Office and Laughing Girl*, though perhaps not *Girl with a Red Hat*. FTP identify this artistic device used most famously by Vermeer, Latin for “dark room.”

Answer: Camera Obscura

2 Rutgers-Newark Bonuses, Round 6

1. Sure, the US government screwed over the Native Americans in the end. However, they still signed a bunch of treaties with them. FTSNOP, answer the following questions about Native American-US treaties.

5 The Treaty of Greenville was signed in 1795 was signed to make peace with 12 different Indian tribes and this “mad” commanding general of the United States military.

Answer: “Mad” Anthony Wayne

10 Name the Indian tribe which signed the 1868 Treaty of Fort Laramie.

Answer: Sioux

5,5,5 Name any three of the six tribes that signed the first Treaty With The Six Nations in 1784 FFPE.

Answer: Mohawks, Onondagas, Senecas, Oneidas, Cayugas, and Tuscaroras

2. One man’s Gospel is another man’s heresy. Answer these questions about situations where the second man won out.

10 With a name derived from the Greek for “knowledge,” this offshoot of Christianity, which some think actually derives from pre-Christian religions, counts a number of Gospels that are not considered part of the Bible by mainstream Christians, such as the Gospel of Thomas.

Answer: Gnosticism

10 These heretics condemned those who gave up their religion during the Persecution of Diocletian, calling them *traditores*. They caused a major split by refusing to accept sacraments from priests and bishops who were *traditores*.

Answer: Donatism or Donatists

10 Racine and Pascal apparently both went to hell, since Innocent X and Clement XI both condemned this movement, founded by a Dutch theologian who wrote a book *Augustinus* urging people to return to St. Augustine’s model.

Answer: Jansenism

3. Answer the following questions about an English painter FTPE.

10 His group of small sketches on mahogany veneer, painted directly on location at the Thames River in 1807, are thought to rival Constable’s work in their directness and freshness. He was greatly admired by the critic John Ruskin and he employed Goethe’s theory of color.

Answer: Joseph Mallord William Turner

10 In this painting, Turner contrasts the drama of nature with human invention. It depicts a train of the Great Western Railway speeding along the tracks, and the blurred details suggest downpour and the great velocity.

Answer: Rain, Steam, and Speed

10 Turner twice painted oils of this event, in the later of which the Achille can be seen burning in the background

Answer: The Battle of Trafalgar

4. Answer the following questions about an effing functional group, FTPE.

10 This functional group is the only carboxylic acid derivative that possesses a variety of fragrances.

Answer: Ester

10 Esters are most commonly prepared by this method, named for a Nobel-winning chemist, which is based on the combination of alcohols and carboxylic acids.

Answer: Fischer esterification

10 Reaction of an ester with an alcohol, using an acid catalyst and an excess of alcohol, results in this functional group.

Answer: Ester (Note: It's called transesterification; you learned something today.)

5. Never had the pleasure of taking microbiology? Too bad, cuz you gotta answer these questions about that field anyway FTPE.

10 This method of staining, named after its Dutch inventor, was first used to distinguish *Klebsiella pneumoniae* and *pneumococci*. It divides bacteria into either positive or negative classes based on cell wall properties.

Answer: Gram staining

10 Made of this substance, gram positive cell wall is considerably thicker than gram negative cell wall which allows it to hold the violet/iodine complex stains better. Penicillin works by preventing the formation of this substance.

Answer: peptidoglycan

10 Pencillin contains this ring structure that binds to the Serine₄₀₃ site of a pencillin-being protein which prevents crosslinking of the growing peptidoglycan layer.

Answer: Beta-lactam ring

6. He was Poet Laureate of England from 1850 till his death in 1892 and is buried at Westminster Abbey. FTPE:

10 Name this poet, author of "Ode to the Duke of Wellington", "Enoch Arden", and "Idylls of the King".

Answer: Alfred Lord Tennyson

- 10 A favorite of Queen Victoria, this epic Tennyson poem was written over a period of 17 years. As well as commenting on some of the problems facing the current Victorian society, it is a requiem for the sudden death of the author's closest friend.
Answer: In Memoriam A. H. H.
- 10 The title gray Magician of this poem follows the the title object, as it flashes from helmet to helmet at a jousting tournament, and at last rests on the forehead of Arthur the blameless.
Answer: Merlin and the Gleam
7. You will be given 3 handouts, each with a painting of a famous philosopher and a brief clue to guide you. Name both the philosopher depicted and the artist for five points each.
- 5,5 The man, not the bust.
Answer: Aristotle and Rembrandt van Rijn
- 5,5 The leftmost figure.
Answer: St. Thomas Aquinas and Bernardo Daddi
- 5,5 The figures in black and white and the background together form a “vanishing” bust of the philosopher.
Answer: Voltaire and Salvador Dali
8. Answer the following question about a Jewish novelist's work FTPE.
- 10 This collection of 11 Yiddish short stories appeared in English translation in 1949. The title story features the unlikely romance between Dr. Fichelson, a philosophy scholar, and Black Dobble, his illiterate, spinster neighbor.
Answer: Spinoza of Market Street
- 10 This Polish-born American novelist is well-known for works like *Spinoza of Market Street* and *Satan in Goray*. He won the Nobel prize in 1978.
Answer: Isaac Bashevis Singer
- 10 In this Singer short story published in the eponymous collection, the title character is gullible and teased and tricked throughout by his fellow villagers in his *shetl*. He maintains a strong faith by responding with childish innocence and goodness.
Answer: Gimpel the Fool or Gimpl Tam
9. Given a member of a European party who lost a recent election, name the party FTPE.
- 10 Angela Merkel
Answer: Christian Democrats or Christlich Demokratischen Union (prompt on “Christian Social Union” or “Christlich Soziale Union”)
- 10 Michael Howard
Answer: Tory or Tories
- 10 Charles Kennedy
Answer: Liberal Democrats

10. Church vs. state is an important notion in American history. Answer questions about cases that helped define how church and state should be treated in America, FTPE.

10 This case upheld a New Jersey Statute that provided for reimbursement for transportation to private, potentially Catholic parochial schools.

***Answer:* Everson v. Board of Education**

10 The three-pronged standard indicates that the purpose of the legislation must be secular, not religious, that its primary effect must neither advance nor inhibit religion, and that it must avoid an “excessive entanglement of government with religion.”

***Answer:* Lemon v. Kurtzman**

10 This decision struck down a New York State nondenominational prayer that started with the words “Almighty God, we acknowledge our dependence upon thee...”

***Answer:* Engel v. Vitale**

11. World War 2 was the shit. Name a WWII battle given its operation name FTPE.

10 Operation Overlord

***Answer:* D-Day (accept Allied Invasion of Normandy or equivalent)**

10 Operation Citadel

***Answer:* Kursk**

10 Operation Fall Weiss

***Answer:* German Invasion of Poland or equivalent**

12. Poetry rules. Really, it does. Given a line name the English poet on a 15-5 basis.

15 “The thirst that from the soul doth rise
doth ask a drink divine;
But might I of Jove’s nectar sup,
I would not change for thine.”

5 “Drink to me only with thine eyes,
And I will pledge with mine.”

***Answer:* Ben Jonson**

15 “Him great harmes had taught much care,
Her faire necke a foule yoke bare;
But her sight his cares did banish,
In his sight her yoke did vanish”

5 “Astrophel with Stella sweet
Did for mutual comfort meete,
Both within themselues oppressed,
But each in the other blessed.”

***Answer:* Sir Philip Sidney**

13. I haven't heard many questions about Polynesian geography in the past few tournaments. You can thank me later, but for now you should answers these questions about a certain French Polyneesian island FTPE.

10 This is the largest island in French Polynesia. Its current capital is at Papeete and it was the original destination for the doomed Bounty expedition.

Answer: Tahiti

10 Considered the second European to see the island, his published account in *Voyage autour du Monde* described Tahiti as an innocent, earthly paradise. He has an island named after him in the Solomons which held its first elections this year.

Answer: Louise Antoine de Bougainville

10 With a name meaning "First Born" in Tahitian, this island in the Leeward group of the Society Islands contains an extinct volcano consisting of two peaks named Mt. Pahia and Mount Otemanu.

Answer: Bora Bora

14. Name the Ibsen play given a brief description FTPE.

10 In this play, adapted by Arthur Miller, Dr. Stockman is prosecuted by his townsmen for reporting that the water in the local baths, from which the town derives its money, is contaminated.

Answer: An Enemy of the People or En Folkefiende

10 The idiot/idealist Gregers Werle tells his equally idiotic friend Helmar Ekdal that Ekdal's wife was formerly the mistress of Werle's father. Ekdal's daughter kills herself, not the titular animal as Werle recommends, to appease her father.

Answer: The Wild Duck or Vildanden

10 This Ibsen play concerns a world-traveling man who becomes a Bedouin prophet, then later the emperor of Cairo. He also meets the Strange Passenger, thought to be the ghost of Lord Byron, and the Lean One, thought to be the Devil, but all he really wants is to be back home with his beloved Solveig.

Answer: Peer Gynt

15. Answer these questions about a true philosopher's philosopher FTPE.

10 He used philosophy to argue for his intuitive notions of the world, notably using the Open Question argument to show the unanalyzability of "good" in one section of his magnum opus, *Principia Ethica*.

Answer: George Edward Moore

10 G. E. Moore famously argued by holding up one hand and saying "Here is one hand," then holding up his other hand and saying "And here is another," thus refuting both Skepticism and Idealism in this celebrated essay.

Answer: Proof of an External World

- 10 One of those Idealists whom Moore refuted and also a former teacher of his was this possibly insane Cambridge philosopher who argued that the very concept of time is incoherent in *The Unreality of Time*
Answer: John McTaggart Ellis McTaggart (note: the two McTaggarts there is not a typo)
16. Breathing and you, TPE.
- 10 These are the sacs in lungs where oxygen and carbon dioxide are exchanged with the pulmonary capillaries.
Answer: pulmonary alveoli or alveolus
- 10 This is the potential space between the lung and chest wall.
Answer: pleural cavity or pleural space
- 10 This condition results when the negative pressure that holds the lung in the expanded position is lost, and the lung collapses because the elastic tissue within the lung contracts. This may result from any injury or disease that allows air to escape from the lungs into the pleural cavity.
Answer: pneumothorax
17. Here's a bonus on fluid mechanics that the writer was unhappy to have to write, but that the editor actually found pretty good. FTPE:
- 10 $F = 6\pi nrv$ is the mathematical definition of what law, which describes a sphere moving through fluid?
Answer: Stokes' Law
- 10 In what type of fluid is the viscous force proportional to the strain rate?
Answer: Newtonian
- 10 Which famous French physician wrote an equation about volume flow rate in cylinders?
Answer: Jean Poiseuille
18. Like the Chinese man making a wall around South Park who said God DAMN Mongolians when they passed his wall, these nomadic invaders were pretty bitchin'. FTPE name these important facts about the Mongolian Empire.
- 10,10 After Genghis Khan united the Mongol tribes under his rule in 1206 he quickly came into conflict with these two empires in Northern China. Name both FTPE
Answer: Jin Empire (or Jurchen) and the Western Xia
- 10 Genghis Khan tried to be nice and sent envoys and trade ambassadors to this empire, but instead of receiving them with open arms, these assholes went and killed them all and stole the trade convoy's merchandise. Genghis then invaded this empire located in Central Asia.
Answer: Khwarezmid Empire

19. Answer some questions about ethnic minorities that dominate the economies of their adopted lands FTPE.

10 Though they make up less than 5% of the population of the Phillipines, Indonesia, and Southeast Asia, people from this country own a majority of the wealth in these countries.

Answer: China

10 This group is the owner of most small businesses in the country of Kenya. Kenya's first president was a member of this ethnic group.

Answer: Kikuyu

10 Peter the Great, after his tour of Europe, insisted that this country's fashion be adopted by the high-ups in Russian court life, and starting with him many later Czars would have wives from this country

Answer: Germany

20. Yeah, we all know about six degrees of Kevin Bacon, but did you know that Bacon acted with several supporting actor Oscar winners? FTPE I will give you the Bacon movie and you have to name which supporting-actor-Oscar winner he worked with. If you need the movie the supporting actor won the supporting actor Oscar for, you will get five points.

15 A Few Good Men

5 Terms of Endearment

Answer: Jack Nicholson

15 JFK

5 The Fugitive

Answer: Tommy Lee Jones