

DSHIT 2002 - Round 4. Questions by Princeton (Chris Frankel, Brad Klein, Phillip Hall, Skip Perry).

Tossups:

1. His short stories include "The Bear," "The Wedding," and "Gooseberries." However he is remembered more for his plays, with the 1887 work *Ivanov* being his first full drama. His second play, *The Wood Demon*, failed commercially, but he ultimately turned it into a success by revising the script and turning it into the successful *Uncle Vanya*. FTP, name this Russian writer of *The Cherry Orchard* and *The Seagull*.

ANSWER: Anton **Chekhov**

2. He was born in 1871 in New Zealand, and attended school in Canterbury, New Zealand before traveling to England. He observed that the intensity of radioactivity diminished in time, and devised the term "half-life." In 1906, Geiger and Marsden, under his tutelage, conducted the gold-foil alpha particle scattering experiment, which led him to propose the atom was "nuclear." FTP, identify this physicist, who was awarded the 1908 Nobel Prize in Chemistry.

ANSWER: Ernest **Rutherford**

3. His real name was Gaius, but as a joke by Roman soldiers, he was given this name, meaning "little boots." When he became emperor following the death of his great-uncle, he lived in incest with his sister Drusilla, and even treated her as his lawful wife. When she died, he mandated a period of public mourning, during which it was a capital offence to laugh or bathe. FTP, name this insane Roman emperor, the third of the Julio-Claudian line.

ANSWER: Gaius **Caligula**

4. A cozy vigil at a fireplace is symbolized by the violin melody as pizzicato from the string orchestra represents freezing winter rain falling outside. A brisk allegro movement in F major depicts a vigorous autumn day of hunting in the woods. A mournful violin solo sings the song of a turtledove languishing in the summer heat. These scenes all occur in FTP, what four part series of violin concertos, the best-known work of Antonio Vivaldi?

ANSWER: *The* **Four Seasons**

5. It begins with a dedication to Theophile Gautier and a message to the reader in verse form. From there, it is divided into six more sections, each comprised of numerous poems. A section sharing its name with the work's title follows *Le Vin* and *Révolte*, and the largest section is *Spleen et Idéal*, FTP, what is this 1857 poetry collection written by Charles Baudelaire?

ANSWER: **Les Fleurs Du Mal** (accept "The Flowers of Evil")

6. Located on the Hrazdan River, this city had changed hands between the Persian, Turkish, and Russian empires before finally becoming its independent country's capital in 1918. After rule as a Soviet Republic for 70 years, it became independent again and has since seen a devastating earthquake in 1989 and an attack on its Parliament in 1999. FTP name this city, the capital of Armenia.

ANSWER: **Yerevan** (or **Erevan**, or **Jerevan**)

7. On February 11, 2001, a team of British and American scientists announced that after six years of research, they had successfully sequenced the 25 million units of DNA in "plasmodium falciparum," a single-celled protozoan that causes this disease, which causes death by infecting red blood cells and making them lodge in the blood vessels of the brain. FTP, name this disease, which is responsible for the deaths of more than a million African children every year.

ANSWER: **malaria**

8. Possibly the inspiration for a modern slang term, this man's headquarters were described as resembling a brothel and a pub. He relieved Ambrose Burnside after the failure at Fredericksburg and stalemated at Antietam only to be thoroughly routed when O.O. Howard's troops were surprised by Stonewall Jackson. FTP, name this Union major general, the losing commander at the Battle of Chancellorsville.

ANSWER: Joseph **Hooker**

9. Its founder introduced his namesake product to the market in 1866 with the motto, "Each day we make it, we will make it the best we can." It has not always been on the market since then, as its production was made illegal from 1910-1937 and 1942-1947. Today the company's headquarters in Lynchburg produces new products, such as the slightly alcoholic, fruit-flavored "Country Cocktails" to complement its mainstay, the 86 proof drink nicknamed Old No. 7. FTP, name this popular brand of Tennessee whiskey.

ANSWER: **Jack Daniel's**

10. This author rarely left her home state, but left after a year at an in-state school to finish her education at the University of Wisconsin and Columbia. "Sir Rabbit," "Kin," "The Purple Hat," "Moon Lake," "The Whistle," "June Recital," "A Shower of Gold," "The Golden Apples," "A Curtain of Green," "The Wide Net" and "Why I Live at the P.O." are examples of short stories by what southern author, who, FTP, died at the age of 92 in her longtime home of Jackson, Mississippi, in July 2001?

ANSWER: Eudora Walt

11. Their basal diameters range from a few to few hundred kilometers, and the measure of their widths is invariably much greater than that of their heights. Belknap in Oregon is one, and you could actually find many of them on Mars, including the famous Olympus Mons. During eruptions, they produce long, flowing streams of basaltic lava and are not known for violent, explosive eruptions. FTP name this class of volcanoes, of which the Hawaiian volcanoes Kilauea and Mauna Loa are also examples.

ANSWER: shield volcanoes

12. Some versions of the myth link it to the moon goddess Selene, who created it and sent it to Earth to punish the residents of its namesake location. Another story lists it as one of the offspring of the monsters Echidna and Typhon. Nonetheless, this creature's supernatural origins explain why its skin could not be penetrated by spears or arrows, which is why, FTP, Heracles wore this monster's skin as armor after killing it to complete the first of his twelve labors.

ANSWER: Nemean Lion

13. On May 23, 1618, at a meeting of Bohemian nobles at the Hradcany castle, two Imperial governors, Wilhelm Slavata and Jaroslav Martinic were tried and found guilty of allowing Catholic officials to close Protestant chapels, violating guarantees of religious freedom. They then suffered this infamous event, though neither of them was severely injured as a result of it. FTP, what is this event, commonly considered to have touched off the Thirty Years War?

ANSWER: The Defenestration of Prague

14. A passage entitled "In the Spring, it is the Dawn" serves as the opening. Other interestingly titled sections include "A Preacher Ought to be Good-Looking" and "Men Really Have Strange Emotions." Lists like "Elegant Things," "Embarrassing Things," and "Hateful Things" also highlight this account of Japanese court life. FTP, identify this Sei Shonagon work whose title suggests that it would be a good piece of bedtime reading.

ANSWER: The Pillow Book.

15. After receiving a PhD from Harvard in 1931, he joined the University of Minnesota where he began to contemplate learning as a form of reinforcement. Able to study his theory because of a strictly controlled environment in which an animal's capacity for learning was measured, he wrote a book detailing a society where human problems and interactions are governed and solved through science. FTP who is this psychologist, the author of such works as *Verbal Behavior*, *The Behavior of Organisms*, and *Walden II*?

ANSWER: Burrhus Frederic Skinner

16. Derived from the Greek word for power, this unit is more commonly found in older textbooks and the work of some physicists than in most scientific work of today. Equal to ten to the negative fifth Newtons and defined as the force needed to move a mass of one gram one centimeter per second per second, name FTP, the CGS unit of force.

ANSWER: dyne

17. Thinking it was wine, he accidentally drank a bottle of nitric acid, which destroyed his singing voice. He met Beethoven for the first time while supervising a rehearsal of his *Euryanthe*. Despite his failing health, he traveled to England to oversee the performance of his *Oberon*, where he died of tuberculosis in 1826. FTP name this composer of *Der Freischutz*, who was in his youth a pupil of Michael Haydn.

ANSWER: Carl Maria von Weber

18. The end of this conflict in 1895 saw the so-called "Triple Intervention" of Russia, France, and Germany, which forced the victors to return some of their conquered territory. Taiwan, however, was still given to the Japanese. FTP, name this war, ended by the Treaty of Shimonoseki, which began over conflicts of interest in Korea in 1894.

ANSWER: First Sino-Japanese War

19. A variant of this way of thinking argues that only in the first person is knowledge of the mind possible, but most forms of it are derived from skepticism. Its proponents argue that the only things of which genuine knowledge is possible are the mind and its contents, and hence these alone may justifiably be said to exist. FTP name this philosophical view whose most strict

followers believe that all perceived objects and events are merely the products of personal consciousness and that this consciousness alone is genuinely real.

ANSWER: **Solipsism**

20. Rare for the composer's works, its first section doesn't quote any popular American tunes. Its second section refers to a park in Connecticut and describes a child wandering off from a July 4th picnic to the sound of revolutionary songs. Its third and final section, named after a Roberts Underwood Johnson poem, builds around an enormous central climax and conjures up dreamy images of an affectionately remembered landscape. FTP give the common name of Charles Ives' "First Orchestral Set," with movements titled "The 'St. Gardens' in Boston Common," "Putman's Camp," and "The Housatonic at Stockbridge."

ANSWER: **Three Places in New England** (accept **First Orchestral Set** before mentioned)

21. Amalia bears the shame of her family in silence, denies the advances of Sandini, an important official, and brings a curse to bear upon her family. Her sister Olga prostitutes herself to the clerks in a nearby inn, trying to gain information that might help their family's case. It is not until Josef K., the land surveyor, arrives in town that Barnabas, Amalia's brother, gets his first commission as a messenger, and gives hope to the family in, FTP, what work by Franz Kafka?

ANSWER: **The Castle** (accept "Das Schloss")

22. A possible treatment for AIDS patients, the synthetic version of this protein was developed ten years ago by the Chiron Corporation and has been approved by the FDA as a treatment for kidney cancer. Known as an immune modulator, it promotes the production of CD4 "positive" cells. FTP name this substance, which in normal biological function is produced by T-helper cells in response to an infection.

ANSWER: **Interleukin-2** (prompt on just interleukin)

23. Mary Queen of Scots complained when she was deprived of it during her imprisonment at Fotheringay Castle. Edmund Spenser called it a "thrifless game," and soon it was familiar enough in England that Shakespeare mentioned it in *Antony and Cleopatra*. Its popularity in recent years was partially due to two movies based on novels by Walter Tevis, the second of which featured Tom Cruise and his Balabushka. FTP name this game, subject of "The Hustler" and "The Color of Money" and whose most famous living player, Jeanette Lee, is named after a poisonous spider.

ANSWER: **Pool** (or **Billiards**)

24. Armed robbery convict Donald DeFreeze escaped from Vacaville Medical Facility in 1973 and formed this group. DeFreeze was joined by about ten comrades, such as his lover Mizmoon, second-in-command Fahizah, Teko, Cujo, Gabi, and Yolanda, after he himself had changed his name to Cinque. After deeming the bombing of a San Francisco Avis Rent-a-Car not "revolutionary" enough, their first "action" was the assassination of Oakland school superintendent Marcus Foster. FTP name this organization, which became a household name in 1974 after kidnapping newspaper magnate Patricia Hearst.

ANSWER: **Symbionese Liberation Army (SLA)**

Bonuses:

1. 30-20-10: Identify the musical instrument.

[30] Two of the most popular concertos written for this instrument are Antonin Dvorak's concerto in B minor and Sir Edward Elgar's concerto in E minor.

[20] Camille Saint-Saens' *Carnival of the Animals* contains a famous solo in which this instrument represents a swan.

[10] Pablo Casals and Yo-Yo Ma are two of this instrument's most renowned virtuosos.

ANSWER: **Cello**

2. FTPE Identify these British authors.

[10] He was immortalized by James Boswell's *Life of* <blank>, but his most famous work was his *Dictionary of the English Language*.

ANSWER: Samuel **Johnson**

[10] His epistolary novel, *Pamela*, held much popularity during his lifetime, although Henry Fielding disliked it immensely and wrote the satire *Shamela* as a response.

ANSWER: Samuel **Richardson**

[10] Though he was also a prominent public official and Britain's first secretary of the Admiralty, his fame comes from the extensive diary he kept from 1659-1669.

ANSWER: Samuel **Pepys**

3. Give the number of the Kepler Law of Planetary Motion from a description FTPE.

[10] An imaginary line drawn from the center of the sun to the center of the planet will sweep out equal areas in equal intervals of time.

ANSWER: **2** (do not accept Law of Equal Areas)

[10] The paths of the planets about the sun are elliptical in shape, with the center of the sun being located at one focus.

ANSWER: **1** (do not accept Law of Ellipses)

[10] Ok, it's not going to be *that* easy. Using Kepler's third law, the law of harmonies, which of his laws did Isaac Newton prove?

ANSWER: universal **law of gravitation** (prompt on **2nd Law of Motion** – not specific enough)

4. FTPE, name these things about the great state of Georgia.

[10] This Englishman envisaged Georgia as a charitable safe haven for debtors and a refuge for the unfortunate, and is generally credited with spurring its creation as an English colony.

ANSWER: James **Oglethorpe**

[10] Its site chosen in 1733 by Oglethorpe, this oldest city in Georgia is located about 20 miles from the Atlantic Ocean on its namesake river.

ANSWER: **Savannah**

[10] Savannah's most recognized tribute to Oglethorpe is a nine-foot bronze statue, designed by this sculptor whose most famous work is sitting inside the Lincoln Memorial.

ANSWER: Daniel Chester **French**

5. Given a list of tributaries, identify the river, ten points each.

[10] Negro, Xingu (pron: Shin-goo), Madeira

ANS: **Amazon**

[10] Main, Mosel, Ruhr

ANS: **Rhine**

[10] Cherwell, Medway, Mole, Windrush

ANS: **Thames**

6. FTPE, Given a quote from a Shakespeare play, identify the literary device being used.

[10] "Marry, our play is the most lamentable comedy."

ANSWER: **Oxymoron**

[10] "Frailty, thy name is woman!"

ANSWER: **Apoptrophe** (this is NOT personification... the speaker is not characterizing frailty as human, he is simply addressing it).

[10] "Yet Brutus says he was ambitious; and Brutus is an honorable man. You all did see that on the Lupercal I thrice presented him a kingly crown, which he did thrice refuse: was this ambition? Yet Brutus says he was ambitious; and, sure, he is an honorable man."

ANSWER: **Anaphora** (prompt on "repetition") (note: when reading, accent the repeated phrase "Yet Brutus... honorable man" to make the repetition more evident).

7. FTPE, identify the following Messier objects from descriptions.

[10] M1 is the nearest supernova remnant visible from Earth. Chinese records show that the parent of this object exploded July 4, 1054 and was visible during the day for three weeks.

ANSWER: The **Crab Nebula**

[10] The diffuse light from M31 is caused by hundreds of billions of stars. It is so distant that light takes over two million years to reach Earth.

ANSWER: The **Andromeda Galaxy**

[10] Six member stars of M45 are visible to the naked eye, though Johannes Kepler quotes observations of up to fourteen. According to Greek mythology, they represent the seven daughters of Atlas.

ANSWER: The **Pleiades**

8. FTPE, name these revolutionary arcade games:

[10] At the base of this 1996 Namco game's cabinet is a silver pedal, called the "action pedal," which introduced the element of dodging into the point-and-shoot genre.

ANSWER: Time Crisis

[10] This first arcade game designed by a woman and released in 1980, it is the basis for Ambrosia Software's update on the original, Apeiron.

ANSWER: Centipede

[10] In this centerpiece of Konami's Bemani series, four stationary arrows are at the top of a TV screen, with upward scrolling arrows. When scrolling arrows overlap the stationary arrows, the player must hit the corresponding arrow on the game platform with his feet.

ANSWER: Dance Dance Revolution

9. FTPE identify these wives of Henry VIII.

[10] Born in 1521, she was married to Henry in 1540 - only sixteen days after he was free of his previous wife. She was executed only two years later.

ANSWER: Catherine Howard

[10] Within twenty-four hours of Anne Boleyn's execution, Henry married this woman, who bore him Elizabeth.

ANSWER: Jane Seymour

[10] After Jane Seymour's death in 1537, Henry waited two years before marrying this woman, who was called the "King's Sister" after he divorced her.

ANSWER: Anne of Cleves

10. FTPE, Identify these German philosophers from works.

[10] *Perpetual Peace, Critique of Practical Reason, Critique of Pure Reason.*

ANSWER: Immanuel Kant

[10] *An Introduction to Metaphysics, What Is Philosophy?, Being and Time.*

ANSWER: Martin Heidegger

[10] *On the Freedom of the Will, The Two Fundamental Problems of Ethics, The World as Will and Representation.*

ANSWER: Arthur Schopenhauer

11. Identify these books from a plot description FTPE:

[10] Chester Arthur, Mark Twain, and Charles Nordhoff make cameo appearances in this Gore Vidal account of the presidential race between Rutherford B. Hayes and Samuel Tilden:

ANSWER: 1876

[10] Norman Mailer called this book, the second in John Dos Passos' U.S.A trilogy, "The single greatest novel any of us have written in this country in the last one hundred years."

ANSWER: 1919

[10 or 5] For ten points for all four, or five for two, name the years in the four titles of Arthur C. Clarke's Odyssey series:

ANSWER: 2001, 2010, 2061, 3001

12. For ten points each, answer the following anthropology questions:

[10] It states that all elements of society, such as beliefs, customs, religions, and rituals, all combine and work together to form a balanced system.

ANSWER: functionalism

[10] What Polish-born anthropologist was the founder of functionalism?

ANSWER: Bronislaw Malinowski

[10] Malinowski's most famous study involved New Guinean natives and their social interactions, including an annual Kula Ring exchange, from which island group?

ANSWER: Trobriand Islands

13. FTPE name the following enzymes involved in DNA replication.

[10] This enzyme enables replication to occur by breaking down the hydrogen bonds holding the complementary DNA strands together.

ANSWER: helicase

[10] After the helix is unwound and the DNA strands are separated, this enzyme, using an RNA primer, moves down a DNA strand and builds a new, complementary DNA strand.

ANSWER: DNA polymerase.

[10] This category of enzymes prevents tangles in the DNA structure by nicking the DNA strands and untwisting the helix so that helicase can separate the strands.

ANSWER: topoisomerase.

14. For fifteen points each, name the battle.

[15] In 279 BCE, Publius Decius Mus failed to fend off the attack of Pyrrhus, King of Epirus, and lost his life in the battle. Roman losses were approximately 6,000, while Pyrrhus lost 3,500 men, prompting his famous statement, "Another such victory and we are lost."

ANSWER: Asculum (Ausculum)

[15] 6,000 Spartan soldiers, led by Leonidas, defended a narrow mountain pass against an overwhelming Persian army. When a Spartan traitor, Ephialtes, informed the Persian commander of an alternate pass the remaining Spartans were surrounded and completely destroyed.

ANSWER: Thermopylae

15. Answer the following about Fyodor Dostoyevsky's novel, *The Brothers Karamazov*.

[5] For five points name this bastard son of Fyodor Karamazov who turns out to be his father's murderer.

ANSWER: Smerdyakov

[5,5,5] For five points each, list the three Karamazov brothers.

ANSWER: Aloysa, Dmitri, Ivan

[10] FTP, Ivan interrupts the course of the novel to tell Aloysha this heavily philosophical tale that depicts Jesus as a prisoner about to be executed.

ANSWER: The Grand Inquisitor

16. FTPE Identify the following emo bands.

[10] This band became well known among mainstream audiences after music videos for "Bleed American" and "The Middle" appeared on MTV in 2001.

ANSWER: Jimmy Eat World

[10] This band, whose newest album is called *Places You Have Come to Fear the Most*, is really a solo act by Chris Carrabba.

ANSWER: Dashboard Confessional

[10] It really isn't an emo band, but their album, *Dude Ranch*, has a song entitled "Emo". That album is better known for the song "Dammit," which catapulted them into fame.

ANSWER: Blink 182

17. Fun with chemicals! Given directions using ingredients you can find in your kitchen, identify what is being made by these classic examples of at-home chemistry, ten points each.

[10] Put baking soda, liquid dish soap, and red and yellow food coloring in an empty bottle. Add vinegar and the fun begins.

ANSWER: volcano

[10] Heat skim milk and vinegar until it curdles. Add water and baking soda or borax to dry curds and wait until bubbling stops.

ANSWER: glue (or equivalents)

[10] Soak small pieces of charcoal in water on a pie plate. Mix ammonia, bluing, and non-iodized salt and dampen charcoal with mixture. Add drops of food coloring. Add ammonia, water, and bluing for 2 more days. Wait 2 days to 2 weeks for final result.

ANSWER: crystal garden

18. Identify these events which all occurred in 1975, ten points each.

[10] This person became the first woman to lead a major British political party.

ANSWER: Margaret Thatcher

[10] This space mission, a huge success, involved the cooperation of the US and USSR and demonstrated docking and personnel transfer procedures.

ANSWER: Apollo-Soyuz

[10] This woman attempted to assassinate President Ford on September 22. Interestingly enough, she labeled herself an atheist in prison despite petitioning for kosher food.

ANSWER: Sara Jane Moore

19. Identify these economic schools of thought from clues, 5-10-15.

[5] Popularized in the mid 20th century by its namesake and his followers, such as Paul Samuelson, this movement advocates government intervention and spending to solve economic problems.

ANSWER: Keynesian economists

[10] The traditional rival of Keynesians, this school supports *laissez-faire* economics and began way back with Adam Smith.

ANSWER: **Classical** economists

[15] These non-mainstream economists, who include Friedrich von Hayek and Ludwig von Mises among their ranks, are libertarians who emphasize economic interests of the individual over that of society.

ANSWER: **Austrian** economists

20. When Florence is beset by plague, seven ladies and three young men leave the city to spend ten days in a nearby country villa, passing the time by telling stories.

[5,5] For five points each, name both the Italian Renaissance work and its author.

ANSWER: **Decameron** (accept Prince Galahalt or Prince Galeotto) by Giovanni **Boccaccio**

[5] For five more points, how many stories are included in the work?

ANSWER: **100**

[15] For fifteen points: In the first story of the first day, Panfilo relates the tale of what corrupt man, who deceives a holy friar and then dies, only to be declared a saint and given the name Saint Ciappelletto?

ANSWER: **Ser Cepperello**

21. [5 x 6] For five points each, name the rulers of these places at the beginning of the Crimean War: Great Britain, France, Russia, the Austrian Empire, the Ottoman Empire, and Serbia. You will have ten seconds to begin your answer.

ANSWERS: Queen **Victoria**, Emperor **Napoleon III** (Louis Napoleon Bonaparte), Tsar **Nicholas I**, Emperor **Franz Josef**, Sultan **Abdul-Mejid I**, Prince **Alexander** (Karageorgevich)

22. 30-20-10 name the prescription drug from descriptions.

[30] Besides its more common use, this drug, also called methylphenidate, can be prescribed for narcolepsy.

[20] It is a central nervous system stimulant, having effects similar to, but more potent than caffeine and less potent than amphetamines.

[10] It notably has a calming, or focusing effect, helpful for ADD.

ANSWER: **Ritalin**

23. Answer these questions about the Parthenon.

[10,10] FTPE, which two Greek architects supervised its construction?

ANSWER: **Ictinus** and **Callicrates**

[10] FTP, what Briton removed most of the frieze and brought it to England, where it may still be seen. These famous marbles are now named after him.

ANSWER: Thomas Bruce, 7th earl of **Elgin**

24. [5 x 6] For five points each, name six of the seven Catholic sacraments. You have 10 seconds.

ANSWERS: **Baptism**
Confirmation
 Holy **Orders**
Penance (accept **Confession**)
Matrimony (accept **Marriage**)
Extreme Unction (accept **Last Rites** or **Anointing of the Sick**)
Eucharist (accept **Communion**)

25. Given a college, name its mascot and the conference to which it belongs; 5 points for one, 10 for both.

[5,5] University of Florida

ANSWER: **Gators** / **Southeastern Conference** or **SEC**

[5,5] Texas Tech

ANSWER: **Red Raiders** / **Big 12**

[5,5] Louisiana Tech

ANSWER: **Bulldogs** / **Western Athletic Conference** or **WAC**