

DACQ

Dynasty Academic Competition
Questions

October 2007
Packet 1:
Tossups

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1. This man discussed Plato's concept of *anamnesis* in his treatise *On Memory and Reminiscence*, and in another work uses chapter titles like “Pleasure and Politics” and identifies *eudaimonia*, or ultimate happiness. That work postulates the golden mean in an attempt to explain *arete*, or virtue, and was (*) edited by this thinker's son. The coiner of the terms “hamartia” and “catharsis,” FTP, identify this author of the *Poetics*, *Metaphysics*, and *Nichomachean Ethics*, a Greek philosopher who tutored Alexander the Great.

ANSWER: Aristotle

2. This man's experiments with gold colloids may have anticipated nanoparticle science. One of his early papers discussed the chlorine clathrate hydrate, and his discovery that charge redistribution occurred only on the exterior of a conductor led to the creation of his namesake (*) cage. He designed a machine that uses a commutator to convert mechanical rotation into electric current, the dynamo, and discovered diamagnetism and electrolysis. FTP, identify this British scientist namesake of the SI unit of capacitance, famous for his experiments with electromagnetic induction.

ANSWER: Michael Faraday

3. The home to the world's largest Sapodilla forest, this land mass is the probable source of tektites on the shores of Haiti. A scientific theory involving iridium concentrations at the K-T boundary, the (*) Alvarez hypothesis, speculates that an asteroid impact at this area's Chixulub Crater wiped out the dinosaurs. The site of Chichen Itza and Cancun, FTP, identify this center of Mayan civilization, a Mexican peninsula extending into the Gulf of Mexico.

ANSWER: Yucatan Peninsula

4. Chinese writer Lu Xun wrote a famous essay about the dire fate that awaited this work's protagonist, who is often referred to as a “squirrel.” It begins as Bobby, Emmy, and Ivar are celebrating Christmas Eve, and ends after Christine Linde's mission fails, leading to the protagonist (*) slamming a door. Earlier, that protagonist had borrowed money from Krogstad in order to save her husband's life, but is horrified at his reaction to her blackmail. FTP, name this play about Torvald and Nora Helmer, who lives in the titular toy abode, written by Henrik Ibsen.

ANSWER: A Doll's House or A Doll House

5. One main participant in this event had already drawn heavy criticism over his handling of action at Fort Fisher and the Bermuda Hundred Campaign. The issues of this event were resolved in the case *Myers v. US*, and a decision by David Carter led to an angry confrontation involving Lorenzo (*) Thomas. Lyman Trumbull and Edmund Ross cast deciding votes after the sitting president tried to replace Edwin Stanton, violating the Tenure of Office Act. FTP, identify this 1865 trial that almost removed the 17th US president from office.

ANSWER: Impeachment of Andrew Johnson (accept equivalents as long as they involve Johnson)

6. One painting with this title depicts one figure in a brown cloak with a black-feathered cap, and was created by Francesco Hayez. Another work by this name is meant to emulate the Venus of Willendorf, while another shows figures in flowers and black and white checkered attire surrounded by (*) gold. The best-known example does not depict a noted author's muse, but rather Francesca di Rimini, and appears in the Gates of Hell series. Brancusi, Klimt, and Rodin all created works titled for, FTP, what simple act of love?

ANSWER: **The Kiss**

7. Opponents to the DMCA argue that program code can be represented as these, and therefore cannot be copyrighted. Solovay-Strassen, Miller-Rabin, Lucas-Lehmer, and AKS tests can be used to classify a number as this. They can be computed using the Sieve of (*) Eratosthenes, and Euclid determined that there are an infinite amount of them. Perfect numbers have a correlation with the Mersenne variety of, FTP, what numbers, which possess only two factors, themselves and one?

ANSWER: **Prime Numbers**

8. This man wrote *Juvenalia*, a discussion of obstacles encountered when composing poetry, which he published in Latin like his earlier depiction of the Jesuit founder in hell, *Ignatius his Conclave*. The term most associated with him was coined in Johnson's *Life of Cowley*, and his poem "Song" instructs "go and (*) catch a falling star." His *Meditation XVII* produced the phrases "no man is an island" and "for whom the bell tolls." FTP, identify this author of *Valediction: Forbidding Mourning*, a British metaphysical poet.

ANSWER: **John Donne**

9. *Pollock v. Farmers Loan & Trust Co.* struck down the income tax provision associated with the Wilson-Gorman example of one of these. The specific variety is determined by the volume or dimensions of (*) goods, while the *ad valorem* variety is most commonly used and involves a specific percentage. The Dingley, Payne-Aldrich, Underwood, and Hawley-Smoot acts are all examples of, FTP, what kind of tax on foreign imported goods, one of which Calhoun called an "abomination?"

ANSWER: **Tariff (accept Wilson-Gorman Tariff Act before the *)**

10. The lover of Claudia Acte, this man appointed Tigranes as governor of Armenia following a campaign against Parthia. His adoption was celebrated by the production of a coin showing both this figure and his uncle, and helped popularize him over the younger (*) Britannicus, whom this emperor would later poison. Advised by Burrus and Seneca, he is better known for the murder of his mother, Agrippina the Younger. FTP, identify this successor to Claudius who may have fiddled while Rome burned.

ANSWER: **Nero Claudius Caesar Augustus (or Drusus) Germanicus or Lucius Ahenobarbus**

11. Surikov depicted this action being carried out by Alexander Suvorov, in a location that is either Maddalena or Simplon. *The Fallacies of Hope* accompanies a painting alternatively called *Snow Storm* by JMW Turner depicting a North African performing this act, while Paul Delaroche was commissioned to create a realistic version of its most famous (*) performer. Most famously, it is depicted as occurring on a gray mare through St. Bernard's Pass by Jacques-Louis David FTP, identify this action carried out by Hannibal and Napoleon, the passage through a certain Swiss-Italian mountain range.

ANSWER: **Crossing the Alps (accept any equivalents that mention motion and the Alps)**

12. Ibn Kathir challenged their veracity because they were not heard by any of the *sahaba*, meaning that their *isnad*, or chain of transmission, was inferior. Delivered during the revelation of *Al-Najm*, they mentioned Uzza and Manat, usually referred to as the (*) “daughters” of a certain deity. Their namesake either tempted their deliverance or changed his voice to resemble Mohammed's. FTP, identify these controversial statements of Islam, used to title a major work by Salman Rushdie.
ANSWER: The Satanic Verses

13. This group had its inception in the Everlasting League, and had a notable victory against Leopold of Austria near Lake Aegeri at the Battle of Mortgarten. The German Landsknecht was an attempt to imitate this group, one hundred of whom served as Francis I's honor guard at Pavia in 1525. Securing their most famous (*) post under Sixtus IV, commander Jules Repon, and not Michaelangelo, created their blue, orange, and red uniforms. FTP, identify this mercenary force from a certain country best known for providing security for the Vatican.
ANSWER: Swiss Guard or Mercenaries (accept anything that mentions Swiss people who fight)

14. This author of *The Four Ages of Man* addressed Phoebus, bidding him to “make haste” and noting that “all our loves conjure him not to stay” in the poem, *Another*. Self-criticism is the focus of a poem which describes an “irksome visage,” *The Author to Her Book*, while (*) she discussed events in her life in *Verses upon the Burning of our House* and *A Dialogue between Old England and New*. FTP, identify this early female poet from New England, author of *The Tenth Muse Lately Sprung Up in America*.
ANSWER: Anne Bradstreet

15. This figure uses social Darwinism to defend his favorite sport, pushing people into the lake in the park. He often appears as the patron saint of technology and runs a corporate headhunting service, which he explains does not behead current (*) employees to the Pointy-Haired boss. Such services are usually performed by his nemesis, the feline evil director of human resources. FTP, identify this white, furry Scott Adams character, the pet and companion of Dilbert.
ANSWER: Dogbert

16. Schrodinger's *What is Life?* uses this to comment on the theory of abiogenesis, while the problems of using it to examine other statements is called Loschmidt's Paradox. First discussed in Carnot's *Reflections on the Motive Power of Fire* as a consequence of the relationship between (*) work and decreasing heat, Claudius stated its simplest form, that heat cannot spontaneously flow from a colder body to a hotter one. FTP, identify this numbered law of thermodynamics which states that entropy is always increasing.
ANSWER: Second Law of Thermodynamics

17. Ngugi's *Devil on a Cross* is set in one of these, and examples include Gouffre Martel from *The Stars My Destination*. Soyinka's *The Man Died* is an autobiographical account of one, and is subtitled “notes” of one of these places. Oscar Wilde proclaimed that each man kills the thing he loves in a (*) “ballad” of one called Reading, while Richard Lovelace wrote to Althea from one and stated that they are not made by stone walls. Martin Luther King wrote a “Letter from a Birmingham” example of, FTP, what kind of institution, generally used to house inmates?
ANSWER: Prisons or Jails (accept equivalents)

18. This work employs the castenets in a similar style to the composer's earlier *The Fiery Angel* and *Lieutenant Kije Suite*, while some performances choose the somewhat morbid option of playing the stifled oboe in this piece's closing scene. Woodwinds introduce a (*) theme of timpani and bass drum used to represent the hunters, while the clarinet, flute, and bassoon are used for the cat, bird, and grandfather. FTP, identify this Prokofiev piece about a boy's encounter with the titular carnivore.

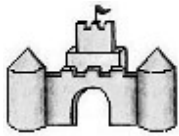
ANSWER: **Peter and the Wolf**

19. This man's opponents called him “the Donkey” as a reference to his naivete, at least until he executed them as part of his Corrective Revolution. He was imprisoned for asking for aide from Hitler, and later joined Muhammad Naguib and his own predecessor to form the (*) Free Officers Movement. This leader directed his forces to cross the Bar Lev Line during the Yom Kippur War, and met with Carter and Menachem Begin to sign the Camp David Accords. FTP, identify this successor of Gamal Nasser, an Egyptian president assassinated in 1981 by Khalid Islambouli.

ANSWER: **Anwar al-Sadat**

20. Krakatoa created a high sulfuric acid concentration in these specific objects, and one variety can display very faint crystal-produced halos. “Fall Streaks” in these clouds are referred to as *uncinus*, or “sky hooks,” and they are classified in the 'A' family. The size of the ice (*) crystals that compose them can also produce the “stratus” or “cumulus” variety of, FTP, what clouds, characterized by their high altitude and thin, wispy appearance.

ANSWER: **Cirrus Clouds**



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Bonuses

1. Bonus: Answer these questions about prominent Spanish philosopher Jose Ortega y Gasset, FTPE:
[10] In *History as a System*, Ortega y Gasset advocates a concept he calls “vital reason,” largely an attempt to complete what he views as the inadequate “cogito ergo sum” philosophy of this French thinker.

ANSWER: **Rene Descartes**

[10] In addition to *The Revolt of the Masses* and *Invertebrate Spain*, Ortega y Gasset wrote a tract about the history of deductive reasoning in which he discussed this philosopher, who himself wrote *A Philosopher's Creed* and believed in entities called Monads.

ANSWER: **Gottfried Leibniz**

[10] Ortega y Gasset's last published work compared discussed bullfighting and this activity. A famous thought experiment involving a stag and this activity was put forth by Rousseau.

ANSWER: **Hunting (accept equivalents)**

2. Bonus: This author of *The Experimental Novel* authored a cycle of twenty novels, *Les Rougon-Macquart*. FTPE:

[10] Identify this French naturalist who wrote *Nana*.

ANSWER: **Emile Zola**

[10] Zola published the letter *J'Accuse* alleging antisemitism and stupidity as the primary motivations behind the conviction of this French captain, whose namesake “affair” was due to the actions Ferdinand Esterhazy.

ANSWER: **Alfred Dreyfus**

[10] Maheu's daughter Catherine is loved both by Chaval and Etienne in this Zola novel, often considered his best and set during a miner's strike.

ANSWER: **Germinal**

3. Bonus: Answer these questions about the recent activity of the US legislature, FTPE:

[10] The unfortunately abbreviated Financial Anti-Terrorism Act, later combined into the PATRIOT act, passed the house in 2001 with a 412-1 vote. The lone dissenter was this Texas representative and current presidential candidate, who usually identifies himself as a Liberterian.

ANSWER: **Ron Paul**

[10] Randy Forbes, a congressman from this state, accidentally included his recommendation in the first draft of 2005's Gangbuster Bill to award funding to police stations based on numbers of blacks and Hispanics in their jurisdictions. This state is also home child-choking Jim Moran

ANSWER: **Virginia or VA**

[10] The Animal Enterprise Terrorism Act, passed in 2006, was primarily meant to target this radical environmental group, usually considered by the FBI to be the top domestic terror threat.

ANSWER: **Earth Liberation Front**

4. Bonus: Answer the following about acids and bases, FTPE:

[10] This definition states that bases are substances which increase the concentration of hydroxide ions in water, while acids increase the concentration of hydrogen ions. It was developed by a Swedish chemist.

ANSWER: **Arrhenius Theory**

[10] The hydrogen ions bond to lone-pair electrons in water to form the H_3O^+ ion, which is also known by this name.

ANSWER: **Hydronium or Oxonium ion**

[10] The Henderson-Hasselbalch equation relates concentrations of conjugate bases to acidity and governs these substances, which resist change in pH.

ANSWER: **Buffer(s) Solutions**

5. Bonus: This building once had massive, ornate bronze doors and bronze and gold-filled coffers lining its interior. FTPE:

[10] Identify this home to a decaying Raphael and “temple to all the gods,” which had its bronze – and anything else worth selling – looted repeatedly during various attacks on Rome.

ANSWER: **The Pantheon**

[10] The pantheon's portico features sixteen of these columns, which notably feature Acanthus leaves.

ANSWER: **Corinthian Columns**

[10] The Pantheon is famous for this feature, a circular opening at the apex of its dome. Mantegna painted one into his ceiling at Castello di San Giorgio.

ANSWER: **Oculus or Oculi**

6. Bonus: This work describes the death of the poet's friend, Gaius Gallus, as well as the coming of a golden age heralded by a messianic figure, probably an allusion to Octavian. FTPE:

[10] Identify this set of pastoral poems which includes the famous “Hymn to Italy.”

ANSWER: **Bucolics or Eclogues**

[10] This Roman poet created the *Bucolics* as well as the *Georgics* and *The Aeneid*.

ANSWER: **Virgil or Publius Vergilius Maro**

[10] Virgil serves as a guide during this first entry in Dante's *Divine Comedy*.

ANSWER: **The Inferno**

7. Bonus: The phrase “NOTUVY” is useful in remembering them. FTSNOP:

[10] NOTUVY represents the shapes, not the first letters, of what set of six basic mechanical devices, which include levers and pulleys?

ANSWER: **Simple Machines**

[10] This simple machine is represented by the Y in NOTUVY. Archimedes devised a famous one which acted as a water pump.

ANSWER: **Screw**

[5,5] Aside from the screw, lever, and pulley, name any two of the remaining three simple machines, F5PE. Hint: They are represented by the N, O, and V.

ANSWER: **Incline Plane, Wheel and Axle, Wedge**

8. Bonus: Identify the individual responsible for shooting these television characters, FTPE:

[10] Mr. Smithers on *The Simpsons*.

ANSWER: **Maggie Simpson** (prompt on Simpson, obviously)

[10] J. R. Ewing on *Dallas*.

ANSWER: **Kristin Shepard** (either name)

[10] Terry Crowley on *The Shield*.

ANSWER: **Vic Mackey** (either name)

9. Bonus: Given a list of gods, identify the common area over which they hold dominion. For example, "Hephaestus, Loki, and Agni" would be "fire."

[10] Indra, Raiden, Thor.

ANSWER: **Thunderbolts or Lightning or Storms**

[10] Ares, Huitzilopochtli (Hweet-zee-low-poke-tee), Tyr

ANSWER: **War** (accept equivalents like **Battle**)

[10] Kali, Yama, Ereshkigal

ANSWER: **Death**

10. Bonus: This 1962 novel is told in a futuristic slang called Nadsat, which draws from Cockney English and Russian words. FTPE:

[10] Identify this novel about the extremely violent Alex, who terrorizes London with his droogs before undergoing the Ludovico technique.

ANSWER: **A Clockwork Orange**

[10] This author of *A Clockwork Orange* and the verse novel *Byrne* said that the title refers to someone who "has the appearance of an organism lovely with color and juice, but is in fact a toy to be wound up by the almighty state."

ANSWER: **Anthony Burgess**

[10] Burgess wrote an early trilogy, *The Long Day Wanes*, during his time as an education officer in the British Colonial Service while stationed in this Asian country with capital at Kuala Lumpur.

ANSWER: **Malaysia**

11. Bonus: Name these data structures from computer science, FTPE:

[10] This data structure is used by an operating system to store context for function calls. Common operations on it include push, pop, and peek.

ANSWER: **Stack**

[10] Unlike stacks, which are First-In First-Out, these data structures are First-In, Last-Out. Variations of them include circular ones, with a pointer indicating the head.

ANSWER: **Queue**

[10] This "min" version of this type of tree stores the minimum value at its root and maintains that all nodes are smaller than their children. The depth of the tree at any two leaf nodes never differs by more than one.

ANSWER: **Heap**

12. Bonus: Answer these questions about political theorist Kenneth Waltz, FTPE:

[10] In his seminal work *Theory of International Politics*, Waltz put forth the major tenets of the structural or “neo” form of this political philosophy. This term is also associated with the styles of Edward Hopper and Gustave Flaubert.

ANSWER: **Realism**

[10] Waltz is currently on the faculty at this Ivy League school, which recently hosted Iranian President Mahmoud Ahmedinejad.

ANSWER: **Columbia University**

[10] Waltz's theory of international anarchy comments upon this thinker's evaluation of the state as an entity which holds a monopoly on the legitimate use of force. He is better known for author *Politics as Vocation* and describing the link between Calvinism and economics.

ANSWER: **Max Weber**

13. Bonus: Identify these Nobel Laureates who drew inspiration from India despite not actually being Indian, FTPE:

[10] Born in Bombay, this British winner of the 1907 Nobel Prize for Literature wrote numerous works about India, including *The Jungle Book*, *Kim*, and *Gunga Din*.

ANSWER: **Rudyard Kipling**

[10] This Irish author of *The Second Coming* and *Sailing to Byzantium* helped popularize actual Indian author Rabindranath Tagore's *Gitanjali*, leading the latter to win the 1913 Nobel. He himself won in 1923.

ANSWER: **William Butler Yeats**

[10] This man's love for India led to his appointment as Mexican ambassador to the country, and inspired his novel *The Monkey Grammarian*. He's better known for works like *Eastern Slope*, *The Bow and the Lyre*, and *Labyrinth of Solitude*, and for winning the 1990 prize.

ANSWER: **Octavio Paz**

14. Bonus: FTPE, identify the following about electromagnetism

[10] This law states that charge enclosed by a surface divided by the permittivity of free space gives the electric flux through that surface.

ANSWER: **Gauss' Law**

[10] This law states that the line integral over a closed path of a magnetic field yields the current passing through a loop. It was later modified to include the term for displacement current.

ANSWER: **Ampere's Law**

[10] Gauss' law and Ampere's law are two parts of this set of four equations relating electricity and magnetism, named for a Scottish physicist.

ANSWER: **Maxwell's Equations**

15. Bonus: Name these insurgents, FTPE:

[10] This Italian independence fighter spent time on the River Tyne and in Uruguay before leading the Expedition of the Thousand, better known as the Red Shirts, through southern Italy.

ANSWER: **Guiseppe Garibaldi**

[10] This Revolutionary War hero served under Nathaniel Greene at Eutaw Springs and paired with Henry Lee to attack Georgetown, but was more successful leading his militia in various raids on British supply lines, earning the title "Swamp Fox."

ANSWER: **Francis Marion**

[10] Taking his name from the last ruler of the Inca, this man led a revolt against the Spanish in Peru in the 1700s, winning at Sangarara before being captured and executed.

ANSWER: **Tupac Amaru II (or Jose Gabriel Condorcanqui Noguera)**

16. Bonus: Answer the following about French tolerance, or lack thereof, FTPE:

[10] Issued in 1598, this statement gave Huguenots the right to practice their religion and established military strongholds like La Rochelle.

ANSWER: **Edict of Nantes**

[10] This King issued the Edict of Nantes. He also founded the Bourbon Dynasty after winning the War of the Three Henrys.

ANSWER: **Henry of Navarre or Henry IV of France or Henry IV Bourbon (prompt on partial answer)**

[10] Louis XIV revoked the Edict of Nantes through this proclamation, which shares its name with forest around which the Barbizon artistic school was centered.

ANSWER: **Edict of Fontainebleau**

17. Bonus: They differ from ctenophores in that they do not possess certain structures that characterize members of this phylum. FTPE:

[10] Identify this marine phylum which contains jellyfish.

ANSWER: **Cnidaria**

[10] Organisms in phylum Cnidaria are characterized by the presence of these structures, which are responsible for the characteristic jellyfish "sting."

ANSWER: **Nematocyst or Cnida or Cnidocyst (accept Cnidocyte, Cnidoblast, or Nematocyte)**

[10] Cnidaria's class hydrozoa contains this organism, not actually a jellyfish but rather a siphonophore. It is named either for its characteristically tinted tentacles as or its unique sail-like air bladder.

ANSWER: **Portuguese Man o' War or Bluebottle or Bluebubble**

18. Bonus: It ends with Leonora married to Rodney Bayham, while the narrator takes care of the comatose Nancy Rufford. FTPE:

[10] Identify this Ford Maddox Ford novel in which John Dowell tells of Edward Ashburnham's numerous extramarital affairs, declaring "This is the saddest story I have ever heard."

ANSWER: **The Good Soldier**

[10] Ford Maddox Ford helped publish the early poems of this writer, including the collection *Touch and Go*. He also told of Paul Morel in *Sons and Lovers*.

ANSWER: **David Herbert Lawrence**

[10] Ford was a friend and frequent collaborator of this author, with whom he co-wrote *The Nature of a Crime*, *The Inheritors*, and *Romance*. This writer is better known for author *Lord Jim* and *Heart of Darkness*.

ANSWER: **Joseph Conrad**

19. Bonus: Answer the following questions about important historical thrones, FTPE:

[10] This Persian king and successor to Darius I set up a massive throne on the shore to observe the 480 BC Battle of Salamis, only to watch the Greeks under Themistocles smash his fleet.

ANSWER: **Xerxes I**

[10] The Persians would later capture the Peacock Throne from this Islamic Indian kingdom, whose rulers included Babur, Shah Jahan, and Akbar.

ANSWER: **Mughal Empire**

[10] This African kingdom, which lasted from 1701 to the late nineteenth century, featured a legend centering on a Golden Stool which descended from the sky thanks to Okomfo Anokye. It lends its name to a major Ghanan ethnic group.

ANSWER: **Ashanti or Asante**

20. Bonus: This city saw the 1893 World's Fair, during which serial killer H.H. Holmes opened a hotel at which he may have murdered over one hundred people. FTPE:

[10] Identify this Illinois "Windy City," home of the John Hancock Center and Sears Tower.

ANSWER: **Chicago**

[10] Bobby Seale, Abbie Hoffman, and six other men were tried following the riots that occurred in Chicago following the Democratic Convention in this year, which saw Hubert Humphrey lose a close race.

ANSWER: **1968**

[10] Five men were executed before John Altgeld signed pardons in the wake of this 1886 event in Chicago, which saw the death of police officer Mathias Degan.

ANSWER: **Haymarket Square Riot or Bombing**