

DACQ

*Dynasty Academic Competition
Questions*

*September 2007
Packet 1:
Tossups*

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1. The term *oppida* was first applied to this area in the most famous work regarding it, and major settlements in this region included Avaricum, Lugdunum, and Alesia. Narbonensis, including modern-day (*) Languedoc, is not discussed in that work, which describes victories over Vercingetorix. The subject of a famous commentary and military expedition by Julius Caesar, FTP, identify this term which in Roman times referred to most of modern-day France.

ANSWER: Gaul

2. A man is being sliced in half in this painter's *What More can One Do?*, and other works include *Procession of the Holy Office*. He depicted a group of women surrounded by a shadowy goat-like figure in *The Witches Sabbath* and also created (*) nude and clothed version of a subject called the "Maja." The painter of the "Horrors of War" series and the Black Paintings, FTP, identify this Spanish artist of *Saturn Devouring his Son* and *Third of May, 1808*.

ANSWER: Francisco Goya

3. The number of nodes produced equals two times the separation between sources divided by the wavelength. The Michelson-Morley experiment was founded on this property, which is also seen in Newton's Rings and Thomas (*) Young's double-slit experiment. FTP, identify this phenomenon that comes in "constructive" and "destructive" varieties and which results in a new wave pattern obtained by summing two or more waves undergoing the namesake conflicting interaction.

ANSWER: Interference

4. A yellow figure on a teal background can often be seen on this individual's door, and he owns a cat named Mr. Kitty and was once videotaped dressed as Britney Spears dancing with a cut-out of Justin Timberlake. His more horrendous acts include feeding a teen's parents to him in chili and using the popularity of (*) Mel Gibson's *Passion* to implement a "final solution." FTP, identify this rotund sociopath usually seen along with Stan, Kyle, and Kenny on *South Park*.

ANSWER: Eric Cartman (either name)

5. He wrote of the homeless Vercueil who befriends cancer patient Mrs. Curren in *Age of Iron*, published the year of his son's death, an event he fictionalizes using events from Dostoyevsky's life in *The Master of Petersburg*. He told of the downfall of Professor David Lurie in *Disgrace*, though this author of *Waiting for the (*) Barbarians* is most famous for the tale of a gardener dealing with his mother's death and apartheid. FTP, identify this South African Nobel Laureate author of *The Life and Times of Michael K*.

ANSWER: John Maxwell Coetzee

6. This land mass borders Disko Bay, and in 2002 an analysis of one of its key features, the world's second largest, suggested that it might actually consist of three smaller bodies. It contains the Jacobshavn, Helheim, and Kangerlussuaq glaciers, and its northernmost point is (*) Cape Morris Jesup. Bounded on the south by Cape Farewell off Egger Island, it has its capital at sparsely-populated Nuuk. FTP, identify this possession of Denmark that lies near Canada, the largest island in the world.

ANSWER: **Greenland**

7. Pencil and paper ready. Lindsay just celebrated her 21st birthday. She wants to know how many total birthday candles she has blown out in her life, given that on each birthday her cake contained the same number of candles as her age. (*) You may want to use the equation for summing an arithmetic series: multiplying the term by the average of the first and last terms. FTP, after turning 21, how many candles has Lindsay blown out? You have ten seconds.

ANSWER: **231 candles** [Shortcut: average=(1+21)/2=11, 11*21=231]

8. These creatures supply the tale to the Germanic Alphy, while in Arthurian myth, the questing beast had the haunches of this animal. In Gilgamesh, the demon Humbaba has the face of one, and they are heavily associated with the Egyptian Sekhmet. Manticores have the body of (*) red ones, and along with a goat and a snake, one of these creatures forms a chimera. FTP, identify these African big cats, parts of which can also be seen in griffins and sphinxes.

ANSWER: **Lions** (prompt on “cat” or equivalents)

9. Wilhelm Wassmuss's capture was essential to its fate, due to the efforts of Nigel de Gray and William Hall. Walter Page temporarily had possession of it, and among its contents was a request to act as mediator with Japan. Venustiano (*) Carranza decided the plan it advocated was logistically impossible, but by the time of his refusal the US had entered the conflict. FTP, identify this coded message sent to Mexico by a namesake German foreign Secretary during World War I.

ANSWER: **Zimmerman Telegram**

10. Its upper region contains a curious amount of cosmic radiation, and its namesake “detergent” is said to be the hydroxyl radical. From the Greek for “mixing,” this region appropriately contains the Polar, Ferrel, and Hadley cells, which guide (*) winds. A namesake “pause” separates it from the Stratosphere, and despite its shallow depth it contains almost all of Earth's water vapor. FTP, identify this first layer of the atmosphere in which all weather occurs.

ANSWER: **Troposphere**

11. This phenomenon, studied by John Darley, prompted an allegorical article analyzing the actions of twelve imaginary police officers. Compassion fatigue and pluralistic ignorance help produce this situation, famously precipitated by Winston Mosley. The 1964 murder of (*) Kitty Genovese in which neighbors stood by despite her cries is the most famous example of, FTP, what psychological phenomenon in which the namesake onlookers sit idly by as something really bad happens?

ANSWER: **Bystander Effect** (accept “Genovese Syndrome” early)

12. He reflected on his poor depiction of females in *The Legend of Good Women* and told of an Armenian queen in *Anelida and Arcite*. One of his works meditates on men of renown, while another was created for the wife of his patron John of Gaunt. In addition to *The House of Fame* and *The Book of the Duchess*, he told of a gathering of (*) birds in *The Parliament of Fowls* and created characters like the Wife of Bath, the Nun's Priest, and the Miller. FTP, identify this early English writer who wrote *The Canterbury Tales*.

ANSWER: **Geoffrey Chaucer**

13. This member of the 38th battalion discussed terrorism in "On Three Fronts" and he broke with Levi Eshkol following the Lavon affair. The founder of National List and overseer of Operation Magic Carpet, this man, whose name means (*) "lion cub," helped create *Mapai* and presided over the Suez crisis, years after leading his country to victory in 1948. FTP, identify this Zionist, the first Prime Minister of Israel.

ANSWER: **David Ben-Gurion (or David Grun)**

14. It begins with two sudden chords, and this piece's development, much longer than its exposition, is keyed in C major. Composed the same year as a namesake set of Piano Concertos, op. 35, the second movement is the lone Adagio. Eventually (*) rededicated to Charles XIV of Sweden after the composer became disillusioned with Napoleon, FTP, identify this symphony "for a great man," Beethoven's third.

ANSWER: **Beethoven's Eroica Symphony (accept Beethoven's Third before mentioned)**

15. Poisoning and denaturing of certain molecules by heavy metals like manganese is theorized as a possible source of these bodies, which are famously resistant to nucleases. HET-S is one of the non-infectious "fungal" variety, though more dangerous ones cause Alpers Syndrome, Kuru, (*) Creutzfeldt-Jakob Disease, and Mad Cow. FTP, identify these infectious agents which consist only of protein.

ANSWER: **Prions**

16. This man was trained as an officer in Louisville after dropping out of Saint Olaf's due to his disgust with his janitorial position. One of the first observations about him involves the "pyramid of pulpless halves" of oranges and lemons, as well as the unopened books (*) Owl Eyes examines in his library. He is shot in his pool by George Wilson after this character's love interest runs over Myrtle. Nick Carraway relates the story of, FTP, what bootlegger whose obsession with Daisy Buchanan dominates a famous F. Scott Fitzgerald novel?

ANSWER: **Jay (The Great) Gatsby (or Jay Gatz, accept any name)**

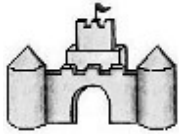
17. One member of this empire won the Battle of Chitor and sought to establish a universal faith, the Din-i-Ilahi, and also abolished the *jizya* tax. Another usurped his father after the defeat of Khusrau, and was in turn usurped by the murderous Aurangzeb. Other rulers include (*) Humayun, the father of Akbar, and Shah Jahan, who built the Taj Mahal. FTP, identify this Islamic Indian dynasty founded after Babur won the battle of Panipat.

ANSWER: **Mughal(s) Empire**

18. “The Commentator” cited in this work refers to Averroes, and other non-Christian influences include Maimonides and Aristotle, who is referred to reverently as “The Philosopher.” It is constructed as a series of arguments and challenges, and claims the Beatic Vision as the ultimate good. Influenced by the author's studies of Peter (*) Lombard, it claims that logic is eminent but lacking without faith. A major work of Scholasticism, FTP, identify this treatise by Thomas Aquinas.
ANSWER: Summa Theologica

19. He invented a precursor to the modern dialysis machine by studying the filtering of crystalloids across a membrane and conducting extensive research on colloids. He is perhaps best known for his work investigating the flow of (*) individual gas molecules through holes. FTP, identify this Scottish chemist, whose namesake law relates the square root of two gases' molar masses and their effusion rates.
ANSWER: Thomas Graham

20. The speaker addresses the subject of this work with the lines “make me thy lyre, even as the forest is” and “thou, O uncontrollable,” and also references a “pumice isle in Baiae's Bay.” This *terza rima* poem describes “yellow, and black, and pale, and hectic red” and describes the titular entity as (*) “breath of Autumn's being.” Closing with “If winter comes, can spring be far behind,” FTP, identify this Zephyrus-inspired Percy Shelley work about a certain meteorological phenomenon.
ANSWER: Ode to the West Wind



DACQ

Dynasty Academic Competition Questions

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Packet 1:
Bonuses

1. Bonus: Answer these questions about Carl Orff, FTPE:

[10] Orff is probably best known for this Cantata that was adapted from John Symond's *Wine, Women, and Song* by Michel Hoffman.

ANSWER: **Camina Burana**

[10] Camina Burana features this notable movement dedicated to the Roman counterpart of Tyche, the goddess of wealth and good luck.

ANSWER: **O Fortuna**

[10] Camina Burana is the first part of a three-work series fittingly dedicated to the “triumph” of this Olympian deity.

ANSWER: **Aphrodite**

2. Bonus: Answer the following questions about government-mandated environmental protection, FTPE:

[10] Both the United States and Australia have notably failed to ratify this amendment to the international treaty on climate changed, named for a Japanese city.

ANSWER: **Kyoto Protocols**

[10] The presence of CFCs and the status of the ozone layer were the inspiration behind this 1989 treaty, named for a Canadian city.

ANSWER: **Montreal Protocols**

[10] Reorganization Plan No. 3 created the Environmental Protection agency under the term of this president, who appointed William Ruckelshaus to run it. Ruckelshaus would go on to resign along with Elliot Richardson in the Saturday Night Massacre.

ANSWER: **Richard Milhous Nixon**

3. Bonus: This title character of a Lawrence Durrell play has a namesake stanza involving alternating trochees and dactyls. FTPE:

[10] Identify this Greek poet known for works like *An Old Age*, *Hymn to Aphrodite* and *Ode to Anectoria*.

ANSWER: **Sappho**

[10] Sappho's home was this island, which possesses the second largest petrified forest on earth and is sometimes referred to as the “Emerald Island.”

ANSWER: **Lesbos**

[10] Sappho is described as “dark” in this poet's *Childe Harold's Pilgrimage*. He also wrote “She Walks in Beauty” and *Don Juan*.

ANSWER: **George Gordon or Lord Byron**

4. Bonus: Kobayakawa's defection turned the tide at this battle. FTPE:

[10] Identify this 1600 AD battle, lost by the forces loyal to Toyotomi Hideyoshi, one of the most influential clashes in Japanese history.

ANSWER: **Battle of Sekigahara**

[10] This man, who lends his name to the group that would rule Japan until the Meiji restoration, was the victor at Sekigahara.

ANSWER: **Tokugawa Iyeasu**

[10] After gaining power, Tokugawa adopted this formal title of supreme military ruler, which had not been held since the days of Ashikaga rule.

ANSWER: **Shogun**

5. Bonus: Pencil and paper ready. You have 50 liters of an ideal gas at a temperature of 200 Kelvin.

FTPE:

[10] If the temperature is increased to 300 Kelvin, what will be the new volume in Liters?

ANSWER: **75 Liters**

[10] At 300 K, if the volume is increased to 85 Liters, what will the new temperature be in Kelvin?

ANSWER: **340 Kelvin**

[10] What gas law governs this relationship between the temperature and volume of an ideal gas?

ANSWER: **Charles's Law**

6. Bonus: Identify these influential economic texts, FTPE:

[10] The division of labor in the pin manufacturing industry is among topics discussed in this 1776 Adam Smith work, which introduced the concept of the "invisible hand."

ANSWER: **The Wealth of Nation**

[10] In addition to *How to Control the Military* and *The New Industrial State*, John Kenneth Galbraith penned this work about the growing income disparity between classes in America.

ANSWER: **The Affluent Society**

[10] *Theories of Surplus Value*, fittingly edited by Friedrich Engles, was the fourth update of this work by a German philosopher which introduced the term "commodity fetishism."

ANSWER: **Das Kapital**

7. Bonus: Masters of this movement included Rembrandt Peale and Angelica Kauffman. FTPE:

[10] Identify this artistic movement, famous examples of which include *Napoleon Crossing the Alps* and *La Grande Odalisque*.

ANSWER: **Neoclassicism**

[5,5] FFPE, these two artists painted *Napoleon Crossing the Alps* and *La Grande Odalisque*.

ANSWER: **Jacques Louis David and Jean-Dominique Ingres**

[10] A famous Ingres painting depicts the apotheosis of this blind Greek, who wrote *The Iliad* and *The Odyssey*.

ANSWER: **Homer**

8. Bonus: This author wrote *The Tower* and the poetry collection *The Winding Stair*, and won the Nobel Prize for Literature in 1923. FTPE:

[10] Identify this Irish writer responsible for *The Wild Swans at Coole* and *Easter 1916*.

ANSWER: **William Butler Yeats**

[10] Yeats references “Grecian goldsmiths” and declares “there is no country for old men” in a poem about “sailing to” this city, which at various times has also been known as Constantinople and Istanbul.

ANSWER: **Byzantium**

[10] This pessimistic Yeats poem laments that “the falcon cannot hear the falconer” and “the centre cannot hold.” One of its lines inspired the title of Achebe's *Things Fall Apart*.

ANSWER: **The Second Coming**

9. Bonus: It is a measure of the power given off by a light source in a certain direction. FTPE:

[10] Identify this term from photometry, a wavelength-dependent property.

ANSWER: **Luminous Intensity (Prompt on just “intensity”)**

[10] Name this unit for measuring luminous intensity, an SI base unit abbreviated cd.

ANSWER: **Candela**

[10] Luminous intensity is sometimes defined by the glow of the molten form of this element, a precious, silvery transition metal commonly used in jewelry and catalysts.

ANSWER: **Platinum or Pt**

10. Bonus: Identify the following figures from early American religious history, FTPE:

[10] Massachusetts didn't really appreciate this man's tolerance of the Native Americans, so they kicked him out. He went on to found Rhode Island.

ANSWER: **Roger Williams**

[10] This complete nut, who wrote works like *The Negro Christianized* and *The Wonders of the Invisible World*, claimed “expertise” on the matters of witchcraft and helped ferment the hysteria that led to the Salem witch trials.

ANSWER: **Cotton Mather**

[10] This Great Awakening figure who wrote *Original Sin* and *Freedom of the Will* is best known for his fire and brimstone speech, “Sinners in the Hands of an Angry God.”

ANSWER: **Jonathan Edwards**

11. Bonus: Identify these characters that stand in the way of rescuing Princess Toadstool in various incarnations of the Mario franchise, FTPE:

[10] Most commonly possessing red or green shells, these turtles serve as the shock troops of Bowser's army. If that isn't enough, Bowser is usually referred to as the “king” of this species.

ANSWER: **Koopa (Troopa)**

[10] These brown, mushroom shaped creatures have prominent eyebrows and fangs but lack legs. Their Japanese name is the far more descriptive “little chestnut,” while their poorly-chosen American name is somewhat suggestive of an ethnic slur.

ANSWER: **Goombas**

[10] These bothersome creatures look like rejects from a Japanese Noh play, and take their name from the fact that they run and hide if their masks are removed.

ANSWER: **Shy Guys**

12. Bonus: Identify these Hindu deities, FTPE:

[10] This mother goddess of wealth and light is usually depicted on a lotus flower. She is the consort of Vishnu, and on her celebration night during Diwali the conch is sometimes not blown due to her association with the ocean.

ANSWER: **Lakshmi**

[10] Hanuman and Adi Shankara may be avatars of this figure, the destroyer god who sports a notably blue throat.

ANSWER: **Vishnu**

[10] Only one temple currently exists to this figure, a creator god born from a golden egg. He is a member of the trimurti along with Vishnu and Shiva.

ANSWER: **Brahma**

13. Bonus: Identify the following trigonometric functions from clues, FTPE:

[10] It can be expressed as sine/cosine, and in a right triangle this function of an angle is equal to the ratio of the lengths of the lines opposite and adjacent to that angle.

ANSWER: **Tangent**

[10] Its square plus cosine squared equals one, and it can be expressed as 1/cosecant.

ANSWER: **Sine**

[10] It can be expressed as the tangent of ($\pi/2 - \text{the angle}$), or cosine/sine.

ANSWER: **Cotangent**

14. Bonus: Works of this writer include *Through the Black Curtain* and *Tripmaster Monkey: His Fake Book*. FTPE:

[10] Identify this author whose most famous work is subtitled "Memoirs of a Girlhood among Ghosts."

ANSWER: **Maxine Hong Kingston**

[10] Kingston's most famous work is this 1975 piece that includes chapter like "Shaman" and "White Tigers," and centers around the psyche of women in Chinese culture.

ANSWER: **The Woman Warrior**

[10] Kingston's influence is readily visible in the work of this other Chinese-American female writer, who wrote *The Hundred Secret Senses* and *The Joy Luck Club*.

ANSWER: **Amy Tan**

15. Bonus: This student of Macropedius got his start working with Gaspar Myrica and Gemma Frisius. FTPE:

[10] Identify this Flemish cartographer, namesake of a famous map projection.

ANSWER: **Gerardus Mercator (or Gheert Cremer)**

[10] Mercator was a key influence in convincing his colleague Ortelius to publish the *Theatrum Orbis Terrarum*, the first modern example of this collection of maps and geopolitical documentation.

ANSWER: **Atlas**

[10] For a time Mercator served as Court Cosmographer to Duke William III of this German Duchy, which would later send a notably unattractive woman to serve as Henry VIII's fourth wife.

ANSWER: **Cleves**

16. Bonus: Oenomaus, Demetrius, and Demonax were Roman thinkers associated with this group.

FTPE:

[10] Identify this philosophical school, possibly taking their name from the derisive “dog-like” label applied to them, whose Greek representatives include Crates and Antisthenes.

ANSWER: **Cynics or Cynicism**

[10] Perhaps the most famous Cynic was this completely insane philosopher who performed lewd feats of endurance in public, lived in a tub, and wandered the streets with a lantern during the day searching for an honest man.

ANSWER: **Diogenes of Sinope**

[10] Cynicism is often seen as a key precursor to this philosophy of indifference to pleasure or pain, espoused by Zeno of Citium and Epictetus and discussed in the *Meditations* of Marcus Aurelius.

ANSWER: **Stoicism**

17. Bonus: Identify the following about neurotransmitters, FTPE:

[10] As a hormone, this neurotransmitter releases prolactin from the pituitary. It is usually produced in the *substantia nigra* and is heavily related to motivation and reward as well as the brain's pleasure center.

ANSWER: **Dopamine**

[10] Sodium channels are opened when this neurotransmitter, released from ganglionic neurons, binds to receptor sites on skeletal muscles. Consequently, many nerve agents work by inhibiting its reuptake, causing severe spasms.

ANSWER: **Acetylcholine**

[10] Shikimic acid and anthranilate are used to synthesize this amino acid, a precursor to niacin, melatonin, and serotonin. It's better known for causing drowsiness after the consumption of thanksgiving turkeys.

ANSWER: **Tryptophan**

18. Bonus: Identify the following classic works of science fiction, FTPE:

[10] *Equality* is the sequel to this Edward Bellamy story in which Julian West takes a nap in 1887 and wakes up in the year 2000.

ANSWER: **Looking Backward: 2000-1887**

[10] Dr. Mahmoud and Joe Douglas appear in this Robert Heinlein classic about Valentine Michael Smith, a martian who introduces earth to the term *grok*.

ANSWER: **Stranger in a Strange Land**

[10] Alquist and Helena provide the seed for a fresh society in this three-act play about the namesake automatons taking over the world, written by Karel Capek (Tcha-peck).

ANSWER: **R.U.R. (Rossum's Universal Robots) (accept either underline portion, or both)**

19. Bonus: Andre Massena's invasion sparked the second phase of this conflict. FTPE:

[10] Identify this conflict, named for the geographic land mass on which it took place, which saw British victories at Salamanca and Vitoria.

ANSWER: **Peninsular War**

[10] The peninsula on which the war was fought is this peninsula, which is home to the Cantabrian Mountains and the Sierra Nevada. Another mountain range separates it from its larger continent.

ANSWER: **Iberian Peninsula**

[10] This man's construction of the Lines of Torres Vedras and coordination with William Beresford made him a hero of the Peninsular War. He would go on to defeat Napoleon at Waterloo.

ANSWER: **Arthur Wellesley, First Duke of Wellington**

20. Bonus: How much attention do you pay to your browser while surfing the Internet? FTPE:

[10] This syndication format is used for feeds or channels. As of Internet Explorer 7 or Firefox 2.0, you can click the orange broadcast icon to automatically subscribe to see updates on your favorite sites.

ANSWER: **Really Simple Syndication or Rich Site Summary**

[10] A yellow address bar and a closed padlock indicate the use of either of these two encryption technologies that ensure privacy during online purchases.

ANSWER: **SSL or TLS**

[10] If you use Firefox, common search terms in the address bar will default to this type of Google search which returns the first site found instead of the full results page. Clicking this button for search terms like "WMD" or "failure" used to do something funny.

ANSWER: **I'm Feeling Lucky**