



2007-2008 Fake ICT Packet 14

Tossups

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- The sons of this group, such as Promachus and Biantes, later caused the Battle of Glisas and installed Thersander as a king. Those sons are known as the (*) Epigoni.** One of these people ate Melanippus's brain, causing Athena to withhold immortality from him. They were led by a man who possessed the robe and necklace of Harmonia. For 10 points— name this group commanded by Polynices which fought for the throne once held by Oedipus.

answer: the Seven Against Thebes
- Two attempts by this man to become prime minister were thwarted by the noted political strategist K. Kamaraj, and he held many provincial-level posts in his native Bombay. Future PM Chandra Shekhar was the actual head of his party during the term of this man, who was (*) imprisoned by Indira Gandhi before joining the Janata Party.** For 10 points— name this noted consumer of his own urine, the first Indian prime minister not to come from the Congress Party.

answer: Morarji Desai
- This character visits a priestess of Oxossi to conjur a spirit, and later falls in love with a member of the Sons of Orpheus orchestra who is also the head of the Scientific Pharmacy. She is widowed when a man with the lucky number seventeen, (*) Waldomiro, sambas himself to death, and she runs a popular cooking school in Bahia.** For 10 points—name this woman who has "two husbands" in an Jorge Amado novel.

answer: Dona Flor dos Guimares
- This book compares blowguns, baskets, and the invention of zero to show coincidences across cultures. Its last chapter applies its conclusions to politics and is entitled "Race Problems in the United States" and proved useful in opposing (*) nativist movements after this book's 1911 publication.** For 10 points— name this work which asserts a fundamental sameness in intellectual capacity across cultures, written by Franz Boas.

answer: *The Mind of Primitive Man*
- An easy solution to it is made possible by the Beltrami identity, which can be applied to the Euler-Lagrange equations. It is analogous to the problem of a ray of light(*) passing through a medium in which the index of refraction varies continuously. A problem of the calculus of variations with a solution given by a cycloid, for ten points, identify this problem of finding the curve that minimizes an object's falling time.**

answer: brachistochrone problem

6. **The current Secretary General of this group is a member of the Christian Democratic Alliance who formerly served as Minister of Foreign Affairs under Jan Peter Balkenende. In addition to Jaap de Hoop Scheffer, this group's leaders include John Craddock, a (*) U.S. Army general, who serves as SACEUR or Supreme Allied Commander, Europe. For 10 points— name this military alliance.**

answer: NATO or North Atlantic Treaty Organization

7. **They are the only people who can enjoy the sixth abincha power. They are often depicted artistically in groups of sixteen, and they are equivalent to the lohans often painted by Guanxiu. This (*) status is the culmination of a path which begins with a stream-enterer and proceeds through the once-returner and the non-returner. For 10 points— name these achievers of nirvana in Theravada Buddhism.**

answer: arhats

8. **The first one is designed as a scherzo for a small group, despite its title, and was composed at the same time as *Les Djinns*. Usually counted among these works is an F major piece known as the "Urbs Roma." The third one was written against the (*) "pope and emperor" position on the place of a certain instrument. For 10 points— name this group of works with two unnumbered and three numbered members, the last of which is the *Organ*.**

answer: symphonies by Camille Saint-Saens

9. **A *Tom the Dancing Bug* comic alleged that Alan Greenspan said this when accused of promoting adjustable-rate mortgages. It was first uttered shortly after holding up a copy of *Armed Madhouse* by Greg Palast, and Clarissa Jessup filmed (*) Andrew Meyer shouting it after a question about Skull & Bones led police to try to remove Meyer from a John Kerry speech in Florida. For 10 points— name this catchphrase of fall 2007.**

answer: "don't tase me, bro"

10. **Structurally based on ceramide, they include neutral globosides with multiple sugars, and single-galactose cerebroside. They determine blood groups and recognize cellular signals. Phosphocholine is found in the namesake (*) myelins, while oligosaccharides with sialic acid are found in gangliosides, which are not affected in Tay-Sachs. Degraded in lysosomes along with phospholipids, for 10 points— name these enigmatic components.**

answer: sphingolipids

11. **This city is found near the Toiyabe National Forest and forms a metropolitan area with the city of Sparks. It is the third-largest city in its state, trailing Henderson. The Mackay School of Mines Museum is found in this city, because this (*) Washoe County metropolis is home to the main campus of the University of Nevada. For 10 points— name this city found to the north of Carson City.**

answer: Reno

12. **In Auger spectroscopy, this term is applied to changes in peak energies due to changing electron binding energy. In a better-known case, it is caused by such phenomena as diamagnetic shielding(*) and proximity to electronegative atoms. Often measured relative to tetramethylsilane, for ten points, identify this quantity which measures the dependence of resonance frequency on the magnetic environment in NMR.**

answer: chemical shift

13. **During one tumultuous year, this man converted to Anabaptism, then became a Seeker. This student of Edward Coke argued that kingly patents could not deprive Indians of land against their will, and he responded to official suppression of his religious ideas with the pamphlet (*) *The Bloody Tenent of Persecution*. After he finally had enough of the Bay Colony government, he went to Narragansett and founded his own community. For 10 points— name this religious freedom advocate, the father of Rhode Island.**

answer: Roger Williams

14. **This man collaborated with his twin brother on the novels *Withered Murder* and *How Doth the Little Crocodile?* One of his plays is narrated by Old Martin, who sees (*) Pizarro interact with Atahualpa, and this author of *The Royal Hunt of the Sun* also described Constanze Weber's adoration for a composer. For 10 points— name this author of *Mozart and Salieri* who created the deranged stablehand Alan Strang in *Equus*.**

answer: Peter Shaffer

15. **These animals lend their name to an area where the Winisk River is at its lowest, the largest provincial park in Ontario. While their flesh is pleasant, their livers contain poisonous concentrations of (*) Vitamin A. Known scientifically as *Ursus Maritimus*, a notable one found in Berlin is Knut. For 10 points— name these animals threatened by global warming, known for being large and white.**

answer: polar bears

16. **In one of this man's roles, Joan Allen played his hypochondriac wife and Patricia Arquette the distant relative he falls in love with. In addition to starring in John Madden's version of (*) *Ethan Frome*, he played the leader of a band trying to capture Pierce Brosnan's character Gideon in *Seraphim Falls* and voiced Aslan in the 2005 *The Lion, The Witch, and the Wardrobe*. For 10 points— name this Irish actor who starred in *Schindler's List*.**

answer: Liam Neeson

17. **The theta rule is used in formulating the Crank-Nicholson scheme for solving them. Those that are subject to the initial value constraints have local solutions whose existence is guaranteed by the Cauchy-Kovalevski(*) theorem. A familiar examples of this type of equation is the diffusion equation, which sets the gradient of a field to its time variation. For ten points, identify these types of equations which involve derivatives of a function of several variables.**

answer: partial differential equations

18. **This document refers to "dissolute persons" who join with "soldiers or mariners" to commit crimes and then claim exemption from the laws. Much of it refers back to the *Stratutum de Tellagio non Concedendo* of Edward I as well as Edward III's decree that forced (*) loans would no longer be required by the king. Arising out of an attempt to curtail spending on an unpopular war with Spain, for 10 points— name this 1628 document given to Charles I by Parliament to complain about abuses of the English constitution.**

answer: the Petition of Right

19. **The American Association for the Advancement of Science was involved in documenting incidents in this country in 2007 such as the firing of mortars into crop fields and the harassment of villagers in areas where the (*) Karen ethnicity dominates. The National Convention, a purported forum for compromise set up by Than Shwe, has thusfar been boycotted here. For 10 points— name this Southeast Asian military dictatorship.**

answer: Burma or Myanmar

20. **Some critics have noted the pubic hair and a phallic trident in this man's portrait of Andrea Doria as Neptune, and he put much more weight into the Christ in his *Deposition* than his contemporary (*) Pontormo did. A mask and a left hand holding fruit are at the bottom right corner of another of his paintings, with a bearded man at the top and a man shrieking at the left. For 10 points— name this creator of *Venus, Cupid, Folly, and Time*.**

answer: Agnolo Bronzino or Agnolo di Cosimo

21. **One of this dynasty's first actions upon coming to power was to sign the Treaty of Windsor with England. A member of this royal house married Philip the Good of Burgundy, and this dynasty's rule was ensured by the victory of the "holy constable" at (*) Aljubarrota. Including John II or "The Perfect Prince" and Edward Duarte, it reigned from 1385 to 1580. For 10 points— name this royal line, including Henry the Navigator, that ruled Portugal before the Braganzas.**

answer: House of Aviz

22. **One game in this event saw big performances from Bryan Bouchie, Urule Igbavboa, and Brandon McPherson for a team that knocked out Washington only to lose to (*) Houston in the next round, Valparaiso. Created by the Gazelle Group, its final saw Tulsa meet Bradley in a best-of-three series. For 10 points— name this third postseason tournament for Division I college basketball, which debuted in 2008.**
 answer: the CBI or College Basketball Invitational
23. **Containing the image of "dense commuters" moving "from the conservative dark into the ethical life," this poem from the collection *Another Time* appeals to "exiled Thucydides" and "mad Nijinsky" to decry "the (*) international wrong." It opens by setting the scene at "one of the dives/On fifty-second street." For 10 points— name this poem which decries "the windiest militant trash," written by W.H. Auden and titled with a date.**
 answer: "September 1, 1939"
24. **This proponent of increased consumer good manufacture died in 1988, having spent thirty years running a power plant in Kazakhstan after Bulganin took his highest post and he was labeled a member of the (*) Anti-Party Group. He worked with Beria to perpetrate the Leningrad Affair, which purged the supporters of Zhdanov, and in 1953 he became prime minister and was briefly the true power in the USSR. For 10 points— name this man whose ambitions were curtailed by Nikita Krushchev.**
 answer: Georgy Malenkov
25. **This author of *The Column of Infamy* wrote the religious poems *The Sacred Hymns* and the elegy "The Napoleonic Ode." He is better known for a novel in which the priest Abbondio is bossed around and the Capuchin Cristoforo tells a character that nunnery (*) vows are not the most binding. Rodrigo attempts to stop the marriage of Lucia and Lorenzo in, for 10 points— what Italian author's *The Betrothed*?**
 answer: Alessandro Manzoni
26. **This region's current sheet can be modeled by the Ballerina model and is inclined relative to the radial direction by the Parker angle. It exhibits regions of compressed plasma(*) known as corotating interaction regions. It is believed to extend from its source for about 100 AU before ending in a termination shock, which should be seen by Voyagers I and II. For ten points, identify this bubble within the interstellar medium that arises from solar wind.**
 answer: heliosphere

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Bonuses

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1. Answer some questions about quantum algorithms, for ten points each.
- A. According to Shor's algorithm, this process can be performed in big-O of log of N, cubed time. A classical algorithm to do this would run in exponential time.
answer: integer factorization (accept logical equivalents)
- B. This rather useless algorithm decides if a function from n logical inputs to the set {0,1} is constant or balanced.
answer: Deutsch-Jozsa algorithm
- C. The quantum version of this procedure can be used to perform phase estimation. It is more commonly used to decompose a signal into frequencies, for instance.
answer: Fourier transform
2. Marcella gets smallbox and Virgilia marries Lobo Neves in this novel. For 10 points each—
- A. Name this favorite novel of freestyle rap artist Chip the Ripper, which follows a man who writes his autobiography from beyond the grave.
answer: Epitaph of a Small Winner or The Posthumous Memories of Brás Cubas or Memórias póstumas de Brás Cubas
- B. This author of *Hand and Glove* and *Counselor Ayres' Memorial* wrote *Epitaph of a Small Winner*.
answer: Joaquim Maria Machado de Assis
- C. In this Machado novel, Rubião adopts an animal in order to inherit a fortune and also loves Sophia.
answer: Philosopher or Dog? or Quincas Borba
3. He was installed as commander of Allied French forces in North Africa by the U.S. For 10 points each—
- A. Name this general who was co-president with de Gaulle of the French Committee of National Liberation.
answer: Henri Giraud
- B. Giraud and de Gaulle fought against the collaborationist Vichy government led by Henri Petain and this prime minister.
answer: Pierre Laval
- C. While put in charge of North Africa, Giraud declined to reinstate this 1870 law making Algerian Jews citizens, which the Vichy government had repealed.
answer: Cremieux decree
4. It was founded in 1980 by Candy Lightner after the death of her daughter. For 10 points each—
- A. Name this group, which Lightner now accuses of being "neo-prohibitionist."
answer: MADD or Mothers Against Drunk Driving
- B. In 2000, MADD secured the passage of a federal law requiring all states to lower the allowable BAC for drunk drivers to this level.
answer: .08
- C. Headed by Nicole Nason, this Department of Transportation agency is responsible for tracking drunk-driving fatalities and performing tests on car models.
answer: NHTSA or National Highway Traffic Safety Administration

5. In 1674, he was made governor of New York and New Jersey. For 10 points each—
- A. Name this crown loyalist and frequent governor of various colonies, whose actions caused the hiding of papers in the Charter Oak.
 answer: Edmund Andros
- B. Andros and his assistant Francis Nicholson were thrown out of New York in 1689 by this movement, which controlled the state until 1691.
 answer: Jacob Leisler's rebellion
- C. Andros attempted to incorporate all colonies north of Delaware into this entity in 1686, but no one went along with his shenanigans.
 answer: the Dominion of New England
6. They were born when Diti attempted to stay pregnant for a hundred years. For 10 points each—
- A. Name these attendant storm gods in Vedic myths, born when a thunderbolt was hurled at Diti.
 answer: Maruts
- B. The Maruts were the sons of this Diti and this god, who wielded arrows of sickness.
 answer: Rudra
- C. The Maruts were groupies for this major Vedic figure, the defeater of Vritra, who wielded the bolt Vajra and cruised around on Airavata drinking soma.
 answer: Indra
7. Found in chapter 13 of Matthew, the parable of this object involves a man selling all his other possessions to get it. For 10 points each—
- A. What kind of gem was involved in that story?
 answer: a pearl
- B. A text named after the story, *The Pearl of Great Price*, is a holy scripture in this religion.
 answer: Mormonism or LDS or Church of Jesus Christ of Latter-Day Saints, etc.
- C. The Pearl of Great Price is often printed with this Mormon hymn by John Jacobs which answers the title question with "the fairest gem that the riches of the worlds can produce."
 answer: "Oh, say, what is truth?"
8. It shows a man wearing only pants, hanging out on a listing boat while sharks and blood circle around. For 10 points each—
- A. Name this painting.
 answer: *The Gulf Stream*
- B. This painter of *Eight Bells* and *On the Trail* created *The Gulf Stream*.
 answer: Winslow Homer
- C. A man with black pants and a cool haircut is collapsed, with remnants of his boat, on a beach as grey clouds still linger in the background of this Homer painting.
 answer: *After the Hurricane*
9. It opens with Niki's visit to Etsuko. For 10 points each—
- A. Name this novel, in which the suicide of Keiko after moving from Japan to Manchester is remembered.
 answer: *A Pale View of Hills*
- B. This author of *When We Were Orphans* and *The Remains of the Day* wrote *A Pale View of Hills*.
 answer: Kazuo Ishiguro
- C. The amnesiac pianist Ryder is constantly given "agendas" by his management during a European tour in this Ishiguro novel.
 answer: *The Unconsoled*
10. He instituted the official religion of devaraja, or king-worship, and moved the capital closer to Angkor. For 10 points each—
- A. Name this king who founded an independent empire in Southeast Asia after being installed as a viceroy of the Javanese state.
 answer: Jayavarman II
- B. This empire was founded by Jayavarman and was known for its Wats.
 answer: Khmer

C. This king of Khmer in the 880s built the Hariharalaya reservoir as well as Bakong, the first wat in the style that Angkor adopted.

answer: Indravarman

11. They are the result of variations in climate as a result of periodic variation of parameters like eccentricity and axial tilt. For ten points each:

A. Identify these cycles named for a Serbian scientist.

answer: Milankovich cycles

B. Milankovich cycles also arise from this effect in the Earth's orbit, in which the axis of rotation wobbles with a 26,000 year period relative to the stars.

answer: precession

C. Much of the data that shows the link between the Milankovich cycles and climate comes from the ice core at this Russian station in Antarctica.

answer: Vostok

12. In fluid mechanics it is used to generate such quantities as the Grashof and Knudsen numbers. For ten points each:

A. Identify this theorem which provides a way of rewriting physical equations in terms of dimensionless parameters.

answer: Buckingham's Pi theorem

B. This number is produced from the Pi theorem; it gives the characteristic size of boundary layers and the ratio of viscous to thermal diffusion rates.

answer: Prandtl number

A. This man's namesake dimensionless number is the ratio of sensible to latent heat. He is more famous for being the namesake with Boltzmann of a law for energy radiated by a black body.

answer: Jozef Stefan

13. "Noe from the waters" and "Rescue him, O Lord" are some of the pieces from this oratorio. For 10 points each—

A. Name this work, adapted from a Cardinal Newman poem about the vision of a dying elderly man.

answer: The Dream of Gerontius

B. This creator of the *Pomp and Circumstance* marches wrote *The Dream of Gerontius*.

answer: Edward Elgar

C. This Elgar oratorio forms a trilogy with *The Apostles* and *The Kingdom* and tells of a blind beggar who gets his sight back from Jesus.

answer: Lux Christi or The Light of Life

14. Ainsley Tewe gets pregnant by Len Slank in this novel, but wants to marry someone else. For 10 points each—

A. Name this 1969 novel about Marian MacAlpin, who breaks up with Peter.

answer: The Edible Woman

B. This author of *The Blind Assassin* and *The Handmaid's Tale* wrote *The Edible Woman*.

answer: Margaret Atwood

C. This Atwood novel is about the artist Elaine Risley, who remembers how Cordelia's sadistic behavior made her as unfeeling as the title object.

answer: Cat's Eye

15. For 10 points— name these nonstandard amino acid derivatives.

A. A CH₂ sequence fewer than lysine, this positively charged amino acid is an I intermediate in the urea cycle, and in synthesis of arginine along with citrulline.

answer: ornithine

B. Derived from serine, this amino acid found in redox reaction proteins contains element 34 instead of sulfur on the sulfhydryl group of cysteine.

answer: selenocysteine

C. Found in elastin and intermediate filaments, this is a complex of four lysine residues joined by an aromatic ring containing nitrogen.

answer: desmosine

16. It guest-stars Snoop Dogg in one of his earliest hit performances, and proclaims “its like this and like that and like this and uh.” For 10 points each—

A. Name this 1993 song, which requests that the listener “just chill til the next episode.”

answer: “Nuthin But a G Thang”

B. The lead performer on “Nuthin But a G Thang” was this former NWA member, also known for “Let Me Ride” and his mentorship of Eminem.

answer: Dr. Dre or André Romelle Young

C. Also including “Lil Ghetto Boy” “Rat Tat Tat Tat,” this drug-named solo debut for Dre featured “Nothing But a G Thang.”

answer: The Chronic

17. It saw Napoleon and Kutusov fight to a draw. For 10 points each—

A. Name this 1812 battle fought seventy miles west of Moscow.

answer: Borodino

B. This man was to supervise the Grand Army's retreat out of Russia, but instead fled to Naples, where he had been installed as king in 1808.

answer: Joachim Murat

C. This prince and Second Army commander was the highest-profile Russian casualty at Borodino.

answer: Pyotr Ivanovich Bagration

18. For 10 points each— name these economists who have ideas about poverty:

A. This UN Millenium Project director helped bring Poland and Bolivia into the post-Cold War economy in the early 1990s.

answer: Jeffrey D. Sachs

B. This former World Bank chief economist studied assymetric information in the insurance industry and wrote *Globalization and its Discontents*.

answer: Joseph Stiglitz

C. Tht Grameen Bank founder has made over seven million microloans, largely in his native Bangladesh.

answer: Mohammad Yunis

19. It was formed in 1508 and aimed against Venice and Turkey. For 10 points each—

A. Name this group including Ferdinand of Aragon and Pope Julius II, which won the Battle of Agnadello.

answer: the League of Cambrai

B. This member of the League of Cambrai was the king of France who soon found himself targeted by the similar Holy League.

answer: Louis XII

C. Also in the League was this Hapsburg Holy Roman Emperor, who was succeeded by his grandson Charles V.

answer: Maximilian I

20. Their capital, which sits on Berkeley Sound, is Stanley. For 10 points each—

A. Name this archipelago, including the Weddell Island and Jason Islands, a British-controlled South Atlantic territory also known as the Islas Malvinas.

answer: Falkland(s) Islands

B. Joined by a small isthmus to Wickham Heights, this southern section of East Falkland includes the cities of Walker Creek and North Arm.

answer: Lafonia

C. This city, located near Goose Neck on the isthmus, shares its name with the capital of the Northern Territory in Australia.

answer: Darwin

21. It may fail for such large ringed systems as taxol. For ten points each:

A. Identify this rule which holds that a double bond cannot form at a bridgehead.

answer: Bredt's rule

- B. Bredt's rule can be used to predict which isomer will form during this type of reaction in a bridged ring system, examples of which include the Cope and the Hoffman.
 answer: elimination reactions
- C. In this elimination reaction, a tosylhydrazone is treated with a strong base to produce an alkene. A variation of it using an organolithium base is called the Shapiro reaction.
 answer: Bamford-Stevens
-
22. For 10 points each— answer the following about "Four Horsemen:"
- A. The name is given to the founders of this three-million-member denomination, which originally protested segregation in white Philadelphia congregations.
 answer: AME Church or African Methodist Episcopal Church
- B. This creator of *Melancolia I* and *Knight, Death, and the Devil* made a notable woodcut of the Four Horsemen of the Apocalypse.
 answer: Albrecht Durer
- C. This former Wilson attorney general was a bulwark of the anti-FDR Four Horsemen and retired from the Supreme Court in 1941 in a fit of pique.
 answer: James Clark McReynolds
-
23. For 10 points each— name these things in Louisiana:
- A. Originating in New Mexico, this river flows through Shreveport before joining the Atchafalaya.
 answer: Red River of the South
- B. This Vermillion river metropolis is home to the Heymann Oil Center and to the original campus of the University of Louisiana.
 answer: Lafayette
- C. This city is found where its namesake body of water forms the Calcasieu river near Sulphur in southwestern Louisiana.
 answer: Lake Charles
-
24. For 10 points each— name these commissioners of Major League Baseball.
- A. This present commissioner enjoys handing out contracts for field supplies to companies he has financial stakes in.
 answer: Bud Selig
- B. This first commissioner banned the Black Sox players and was a huge racist.
 answer: Judge Kenesaw Mountain Landis
- C. This former Air Force general presided over the realignment of baseball into divisional play in his 1965 to 1969 term.
 answer: William Eckert
-
25. Alec Guinness, Jack Hawkins, and Sessue Hayakawa were among the cast of this movie. For 10 points each —
- A. Name this 1957 David Lean film about British prisoners being forced to build the title structure.
 answer: *The Bridge on the River Kwai*
- B. This man, also known for his roles in *Network*, *Picnic*, and *Stalag 17*, played Shears, the American commander trying to destroy the bridge.
 answer: William Holden
- C. Lean's last film before *The Bridge on the River Kwai* was this one, in which Katherine Hepburn falls for Rossano Brazzi in Venice.
 answer: Summertime
-
26. For 10 points each— name these plays of Maxim Gorky:
- A. Satine, Luka, and Vaska hang out at a crappy lodging-house run by Mikhail Kostilyoff in this play.
 answer: *The Lower Depths* or *Na dne*
- B. The title owner of boats lives with Liuboff after spending time in an insane asylum.
 answer: *Foma Gordayev*
- C. The former monk Nikita hangs out with Vialov, a revolutionary, in this play about a family that runs a

factory in Dromov.

answer: *The Artamanov Business or Delo Artamonovykh*