

Les Enfants Terribles
Academic Quiz Bowl Tournament
Packet #7 by Iowa State University
18-19 April 1997

Toss-Ups

1. When his true love begs him not to marry Isabella just for revenge, this main character says, "The tyrant grinds down his slaves and they don't turn against him, they crush those beneath them." He does just that, neglecting his nephew Hareton to spite Hindley, his once-abusive foster brother. FTP, name this figure, who dies hallucinating about Catherine in Emily Brontë's *Wuthering Heights*.

Answer: Heathcliff

2. Find the product of all of the prime numbers and add one. No number less than the largest prime can be a factor, so the smallest prime in its factorization must be bigger than the largest one. Hence, there is no largest prime. FTP, what famous Greek mathematician's name is usually attached to this proof of the infinitude of prime numbers?

Answer: Euclid's proof of the infinitude of prime numbers
Prompt: proof of the infinitude of prime numbers

3. He believed that culture evolved from the Pure Being of China to the Absolute Idea of Prussia. This occurred analogously to the way that "The Absolute is pure being" combined with "The Absolute is nothing" to produce the "The Absolute is becoming". FTP, who is this German philosopher whose dialectic produced ever truer syntheses from theses and anti-theses?

Answer: Georg Hegel

4. Danglars coveted his appointment as captain of the *Pharaon* while Mondego coveted his fiancée Mercédès. Together they had him framed as a Bonapartist in 1815. He escaped from the Château d'If and returned to wreak vengeance upon Danglars, Mondego, and others who had betrayed him. FTP, who is this Frenchman who titled himself the Count of the island on which Alexandre Dumas told of his discovering a vast treasure?

Answer: Edmond Dantès, the Count of Monte-Cristo (accept any underlined portion)

5. It was founded by Benjamin Stephenson in 1866. One member, Sarah Edmonds, was notable for starting the celebration of Memorial Day and for disguising herself as a man and being this organization's only female member. It disbanded in 1956 upon the death of its last member, Albert Woolson. FTP, identify this organization formed to provide fellowship for ex-Union soldiers, honor their fallen comrades, and care for their dependents.

Answer: Grand Army of the Republic
Prompt: G.A.R.

6. Maxwell realized that changing electric fields could also affect the curl of the magnetic field and modified this law to include such "displacement currents" before making it part of his famous equations. It states that the line integral of the magnetic field is equal to the sum of the enclosed currents. FTP, what is this law, named for the French physicist who also gave his name to the unit of current?

Answer: Ampère's Law

7. The first was an anti-pope born Baldassare Cossa who ascended to the papacy in 1410. He called the Council of Constance, which then condemned and deposed him in 1415. The second was born Angelo Giuseppe Roncalli and was elected as a compromise candidate in 1958, but surprised the world by calling the Second Vatican Council. FTP, give the taken name shared by these two popes.

Answer: Pope John XXIII

8. This band, formed at the University of North Texas in Denton in 1992, was originally known as Leper Messiah. They debuted on September 29, 1995 on "Late Night with Conan O'Brien," who referred to them as, "a force for good in the world if ever I've heard one." FTP, identify this band, fronted by the Pipes brothers, whose debut album, *Home*, was originally released on the independent Rainmaker label, and whose breakthrough single is *Breakfast at Tiffany's*.

Answer: Deep Blue Something

9. His specialty was discovering and tracking comets; while searching for them, he noticed hazy objects that did not change position. He correctly deduced that they were not comets and recorded their position so others would not be confused. The result was 1784's *Catalogue of Nebulae and of Star Clusters*. FTP, identify this astronomer, whose name lives on in every classification number for non-stellar objects.

Answer: Charles Messier

10. A rainbow, a ladder, an hourglass, a bell, a geometric solid, a cow, a compass, a sphere, several needles, scales, and a magic square. FTP, in what somber 1514 engraving by Albrecht Dürer do all these elements appear?

Answer: Melancholia I

11. This work states that "He who destroys a good Book, kills reason itself," and argues against the Inquisition and Index, praises the Spenserian hero Sir Guyon, and deems censorship to be futile since books are not the only way in which destructive ideas are propagated. FTP, name this John Milton pamphlet, a plea for unlicensed printing that is titled for the Athenian Areopagus.

Answer: Areopagitica

12. He served as ambassador to Outer Mongolia, delegate to the International Atomic Energy Agency, and a stint as foreign minister, during which he helped shaped the Soviet policy of hostility towards the U.S. He also replaced Litvinov in an earlier stint as Foreign Minister during which he negotiated the Nazi-Soviet non-aggression pact of 1939. FTP, name this man whose cocktails are favorite drink of terrorists everywhere.

Answer: Vyacheslav Mikhailovich Molotov

13. It was first synthesized in 1898 in Bayer's German labs by Heinrich Dreser. Once used as a pain reliever and a cure for morphine addiction, it is no longer legal in the U.S., though it can still be prescribed in Great Britain. FTP, give the common name of the drug diacetylmorphine known on the street as horse, skag, junk, and smack.

Answer: Heroin

Accept: diacetylmorphine before "diacetylmorphine"

Prompt: skag, junk, smack, or other putative slang

14. The presence of polyaromatic hydrocarbons, the presence and morphology of the magnetite, the close presence of oxidation and reduction products, and the presence of microscopic tubular structures that appear

like maggots are all, FTP, possible evidence found in an Antarctic meteorite of what earth-shaking discovery?

Answer: life on Mars (accept equivalents)

15. This Englishman served with the American army during the Revolution, but lost his position as secretary to the Committee of Foreign Affairs for divulging state secrets. He went to Paris and was elected to the National Convention as a Girondist, but was imprisoned in 1794. Just before his arrest, he wrote *The Age of Reason*. FTP, name this inflammatory pamphleteer of *The Rights of Man* and *Common Sense*.

Answer: Thomas Paine

16. He was appointed court composer to Emperor Joseph II in 1774 and is known for teaching Beethoven, Schubert, and Liszt. With his own works, including the opera *Tarare*, he dominated the Viennese and Parisian scene until the appearance of an *enfant terrible*. FTP, name this man best known as the villain of a Rimsky-Korsakov opera, a Peter Schaffer play, and a Milos [mee-LOSH] Forman movie suggesting--on flimsy evidence--that he killed Mozart.

Answer: Antonio Salieri

17. It opens with the labor theory of value and describes how labor makes goods commensurable and thus allows the existence of money. It goes on to describe the methods (including specialization and mechanization) by which capital attempts to lower production costs without lowering selling price. It concludes that struggle is inevitable between the labor and capital classes. FTP, name this 19th century economic treatise by Karl Marx and Friedrich Engels, one of the foundations of Communist theory.

Answer: *Das Kapital*

18. During it, the nuclear membrane disappears, the mitotic spindle begins to form, the DNA condenses into distinct chromosomes consisting of two chromatids held together by a centromere, and a kinetochore forms near the centromere. FTP, in which stage of mitosis, the successor of interphase, does this occur?

Answer: prophase

Prompt: mitosis before "stage"

19. The people of African descent live primarily on the coast and have much of the political power. The Merina, of Indonesian descent, live inland and, being better educated, resent their lack of power. The major languages are French and a combination of Indonesian and Malay known as Malagasy. FTP, name this country just off the southeast coast of Africa.

Answer: Democratic Republic of Madagascar

20. It began at Sabarmati on March 12, 1930, and ended at Dandi on April 6 of the same year. Its ultimate aim, however, was not served until its participants reached a government depot on May 5, whereupon their leader was arrested. It was a non-violent protest organized by Mohandas Gandhi against a British tax on the good for which it was named. FTP, identify this march whose participants peppered the British with complaints.

Answer: Salt March

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Bonuses

1. Given the technical name for a common condition, identify that condition for ten points apiece.

a. alopecia

Answer: baldness (accept equivalents)

b. halitosis

Answer: bad breath (accept equivalents)

c. nocturnal enuresis

Answer: bedwetting (accept equivalents)

2. Answer the following questions about magnesium for ten points apiece.

a. By what name is a magnesium ion surrounded by a porphyrin ring better known?

Answer: chlorophyll

b. Most magnesium is refined using the Dow process which has two sources of the metal. For five points each, identify these raw materials.

Answer: dolomite lime; seawater

c. Who won a Nobel prize in chemistry for devising (and giving his name to) a versatile reaction in which magnesium is used to combine organic molecules?

Answer: Victor Grignard [GREEN-yard]

3. Identify the following military theoreticians for ten points apiece.

a. This man's *The Influence of Sea Power upon History* stimulated both Teddy Roosevelt and Kaiser Wilhelm II to enlarge their navies.

Answer: Alfred Thayer Mahan

b. This man is most famous for discussing war as a "natural continuation of foreign policy."

Answer: Karl von (?) Clausewitz

c. This man organized the militia of Florence and discussed his strategic ideas in 1520's *The Art of War*.

Answer: Niccoló Machiavelli

4. Identify the following science fiction novels from brief plot descriptions for ten points apiece.

a. A monopoly on the substance which makes space travel possible is about to pass from the Harkonnen family to the Atrides.

Answer: Dune

b. In post-nuclear holocaust earth, a young monk painstakingly copies the blueprints of a beatified engineer.

Answer: A Canticle of Leibowitz

c. Hari Seldon founds a scientific cult on the fringes of the Empire which seeks to predict and control the future through psychohistory.

Answer: Foundation

5. Identify the following James Bond films from the villain's basic plot.

a. SPECTRE tries to induce nuclear war between the U.S. and the U.S.S.R. by capturing their space capsules.

Answer: You Only Live Twice

b. Hugo Drax attempts to found a colony on the moon and then dump nerve gas on the rest of the world.

Answer: Moonraker

c. Max Zorin tries to corner the world semiconductor market by inducing an earthquake under Silicon Valley.

Answer: A View to a Kill

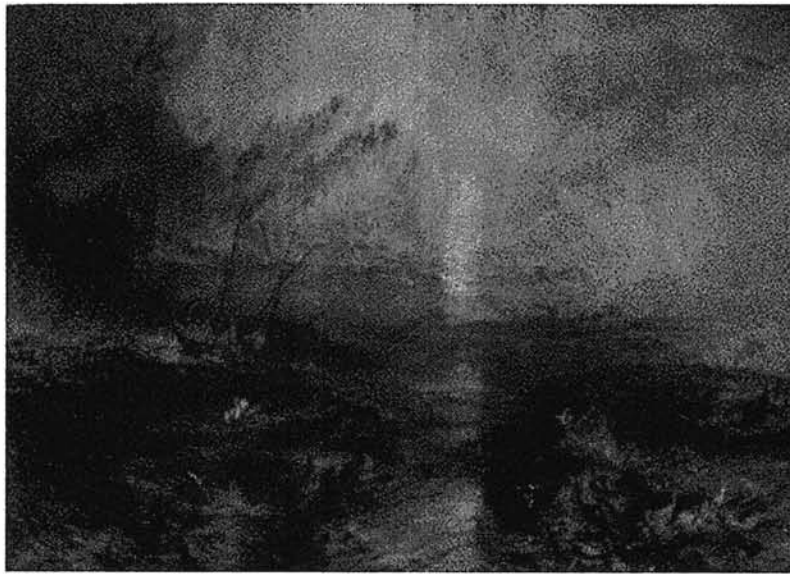
Visual Bonus LET-10



A



B



C

6. The moderator will hand you reproductions of three works by romantic painters. Identify them for ten points apiece.

Answer: A. *The Executions of the Third of May, 1808*
B. *The Raft of the "Medusa"*
C. *The Slave Ship*

7. Identify the following terms from quantum mechanics for ten points apiece.

a. Because the wavefunction is not zero in classically forbidden regions, it--and therefore the particle--can appear beyond potential barriers. Name this phenomenon.

Answer: tunneling

b. When an observation of a particle is made, the wavefunction is instantly transformed into an eigenstate of the observable. What name is given to this transformation?

Answer: wavefunction collapse

c. What name is given to the principle that linear combinations of solutions of Schrödinger's equation are still solutions?

Answer: Principle of superposition

8. Answer the following questions about the history of Zaïre for ten points apiece.

a. At what 1960 conference was the form of an independent Congo (later Zaïre) decided upon?

answer: Brussels Conference

b. What copper- and uranium-rich province was the center of a fierce secessionist movement only months after independence?

answer: Katanga (Shaba)

c. What man violently replaced President Kasavubu in 1965 in the wake of the Katanga crisis and continues to hold that office into 1997?

answer: Mobutu Sese Seko

9. Identify the following from the works of Gabriel García Márquez for ten points apiece.

a. In *One Hundred Years of Solitude*, what town is isolated for those 100 years?

Answer: Macondo

b. In *The General in his Labyrinth*, who is the general?

Answer: Simon de Bolívar

c. In *The Autumn of the Patriarch*, what is the patriarch's deformity?

Answer: He has an enlarged testicle

10. Answer the following questions relating to the heresiarch Martin Luther. Just kidding.

a. Luther was originally motivated by Johann Tetzel's sale of these abstract goods which reduced the time sinners had to spend in purgatory.

Answer: indulgences

b. In 1519 Luther was drawn into a debate in this Germany city with Johann Eck in which he was accused of holding Hussite doctrines; after learning some history, Luther accepted this charge to the surprise and horror of many.

Answer: Leipzig

c. While hiding at Wartburg, Luther produced a literary work that altered the German language and made his High German dialect the principle literary medium. Name it.

Answer: translation of the Bible

11. The moderator will play three excerpts from works by Modest Mussorgsky. Identify them for ten points apiece.

Answer: 1. *Boris Godunov*,
2. *Night on Bald (Bare) Mountain*.

3. Pictures at an Exhibition (or From)

12. Identify the following works, each of which takes place completely during a single day.

a. The title character plans a lavish dinner party to which an old lover shows up. The novel is by Virginia Woolf.

Answer: Mrs. Dalloway

b. The Tyrone family bickers endlessly about James' miserliness, Mary's ^{addiction} ~~addition~~, Edmund's tuberculosis, and Jamie's dissipation.

Answer: Long Day's Journey into Night

c. Ivan Shukov rejoices at his extra meal, his gift from Cesar, and the work crew's successful start on a new project.

Answer: One Day in the Life of Ivan Denisovich

13. Answer the following question about Theodore Dreiser's *An American Tragedy* for ten points apiece.

a. He is the book's main character; he drowns his pregnant girlfriend because she stands as an impediment to his rise.

Answer: Clyde Griffiths (accept either)

b. She is Clyde's pregnant girlfriend.

Answer: Roberta Alden (accept either)

c. She is Clyde's richer, classier love interest, more useful to him than Roberta had been.

Answer: Sondra Finchley

14. Name the following arms control treaties for ten points apiece.

a. It was convened in 1921; England, France, Japan, and Italy met with the United States to limit naval tonnage. Name this only significant non-scandalous action of the Harding administration.

Answer: Washington Naval Conference

b. Signed in 1963 by the United States, Great Britain, and the Soviet

Union, it prohibited atmospheric, underwater, and outer space explosion of atomic devices.

Answer: Nuclear Test Ban Treaty

c. On November 24, 1970 this United Nations agreement attempted to limit the spread of atomic weapons.

Answer: Nuclear Non-Proliferation Treaty

15. Three Balkan heads of state attended the Peace Accords held at Wright-Patterson Air Force Base in 1995. For ten points apiece, name the presidents of Bosnia, Croatia, and Serbia in that order.

Answer: Alija Izetbegovic, Franjo Tudiman, Slobodan Milosevic

16. Given the acronym relevant to cryptology, identify it is a public key cipher, a symmetric cipher, a hash function, or none of the above for ten points apiece. The moderator will not reveal answers until the end of the question.

a. RSA

Answer: public key cipher

b. SHA

Answer: hash function

c. OTP

Answer: symmetric cipher

17. Given a description, name the body of water within the Mediterranean Sea, for ten points per part.

a. It separates Greece from the foot of Italy

Answer: Ionian Sea

b. It separates Spain from Africa

Answer: Straits of Gibraltar

c. It separates Sardinia from Italy

Answer: Tyrrhenian Sea

18. In a 1941 speech, President Roosevelt mentioned four kinds of freedom worth fighting for. Name these freedoms for five points apiece and then, for ten more, the American artist who depicted them in a series of paintings.

Answer: 1. Freedom of Speech and Expression,
2. Freedom of Worship,
3. Freedom from Want,
4. Freedom from Fear;
Normal Rockwell

19. Identify the following from Norse myth for ten points apiece.

a. Two of the Norse gods are actually giants whom Odin befriended; one is the trickster of the gods while the other is a wise man who controlled the draught of knowledge. For five points each, name them.

Answer: Loki and Mimir

b. The collective name for the Norse gods with the exception of Frey, Freya, and Njord is this.

Answer: Aesir

c. Frey, Freya, and Njord came from another group of gods and live with the Aesir as hostages, albeit well treated ones. What name refers to the group of gods from which Frey, Freya, and Njord come?

Answer: Vanir

20. Given the book of the Bible, identify its supposed author, for ten points apiece.

a. Lamentation

Answer: Jeremiah

b. Leviticus

Answer: Moses

c. Acts of the Apostles

Answer: Luke