

## JCV 8 - February 2, 2002 round 2

### Duke packet

#### Tossups

1. Unable to come up with an impressive exhortation in his dying breath, he said "Don't let it end like this. Tell them I said something." Born Doroteo Arambula, he was a farmer and a banker before killing one of his ranch hands in 1910. He joined a rebellion against President Francisco Madero six years later, leading a famous raid on Columbus, New Mexico. FTP, name this Mexican outlaw.

Answer: Pancho **Villa**

2. Recorded in New York City in 1939, after its performer returned from several years in Europe, this jazz ballad features one of the most famous solos in the genre. The solo duplicated the popularity of its performers' earlier "Hawk's Blues," but the dynamic phrasing of the lead tenor sax proved revolutionary: its success led to the abandonment of "hot jazz" for the new bebop style. FTP, name this jazz classic by Coleman Hawkins.

Answer: **Body and Soul**

3. Formed in response to the "massacre of Marquetalia" by Manuel Marulanda, they merged with the ELN and M19 in the late 1980s. Recently ordered out of the "safe zone" by President Andreas Pastrana after repeatedly skirmishing with right-wing paramilitaries and occasionally attacking government outposts, the peace negotiations between this group and the government seem shaky at best. FTP, give the name of this Marxist Colombian rebel group.

Answer: **FARC** or **Revolutionary Armed Forces of Colombia** or **Fuerces Armadas Revolucionarias de Colombia**

4. In 1917, Austrian scientist Wagner von Jauregg found a unique way to treat the paralysis caused by the later stages of this disease (technically known as tabes dorsalis) -- by injecting patients with malaria. Other symptoms of the disease include hard lumps known as "gummas" and festering sores called "chancres," which were once treated by baths of mercury. FTP, name this unpleasant illness, characterized by two treatable stages and a third degenerative one, an STD caused by a spirochete.

Answer: **syphilis**

5. If existing technology would permit a firm of optimum efficiency to produce and sell product A for \$1.00 per unit, including a normal return, and established firms in the industry are in fact charging \$1.15, this value is 15%. Its effect of its relative "height" is commonly referred to be the terms "easy," "ineffectively impeded," "effectively impeded," and "barricaded." FTP, give the term for the how much a company can raise prices without inducing new competitors to come into the marketplace.

Answer: **barrier to entry**

6. This element is obtained from the ore ilmenite by treating the ore with chlorine, then treating it with chlorine baths in the presence of coke. Its most stable oxidation state is 4+, which it arrives at by losing both 4s electrons and two 3d electrons, but it can form any oxidation state from 1+ to 8+, leading to the many colors it exhibits in jewelry. Usually found paired with two oxygen molecules, it has generally replaced lead as a white pigment. Possessing many industrial and aeronautical uses because of its strength and low density, FTP, what is element 22, named for children of Cronus?

Answer: **titanium**

7. The "Lakers beat the Supersonics" and I "got a call from a girl I wanna dig out, Hooked it up for later." I played some ball, then I "saw the police and they rolled right past me" and I got laid. Better yet, "I didn't even have to use my A.K" and "nobody I know got killed in South Central L.A." FTP, express your satisfaction and name this Ice Cube hit.

Answer: **Today Was a Good Day**

8. On the left side of the boat rests a cute little black cat that is attached to a leash. On the right side is a sad-faced man in a red shirt and red striped clown-like hat who is paddling. In the middle, a hopeful-looking youth in a green shirt slouches over a covered hump in the long, flat boat. Everywhere else in the painting the sky and the reflection on the titular namesake river is yellowish, save for a patch of greenish brown leaves. For ten points, name this 1845 painting about merchants sailing down a river by George Caleb Bingham.

Answer: **Fur Traders Descending the Missouri**

9. You might think this creature was very heavy, since its stomping about opened a rift in Mount Helicon that became the spring Hippocrene, an event which occurred soon after it sprang to life, fully formed, from the neck of Medusa. However, the beast was light enough to carry its rider part-ways up Mt. Olympus, as well as to carry away Andromeda. FTP, what steed was ridden by first Perseus, then Bellerophon?

Answer: **Pegasus**

10. While this species is rather unstable and not easily formed, its resultant reactivity can be exploited for the synthesis of other unstable groups. The dibromo-substituted version can be formed by reacting bromoform (CHBr<sub>3</sub>) with potassium tert-butoxide. Iodomethylzinc iodide, used in Simmons-Smith cyclopropane synthesis, has a similar reactivity. FTP, what species is characterized by a carbon atom with six electrons and no formal charge?

Answer: **carbenes**

11. Arguing with philosopher William Paley, this tract expresses anger about state-sponsored churches, the Mexican-American War, political conventions, poll taxes, and slavery. It encourages Abolitionists to "withdraw their support... from the government of Massachusetts". Opening with the line "I heartily accept the motto, 'That government is best which governs least'," FTP, name this 1849 essay by Henry David Thoreau.

Answer: **Civil Disobedience**

12. His cult of personality was parodied in Wole Soyinka's *Kongi's Harvest*. This leader's political career began when he was elected secretary general of the progressive, bi-racial United Gold Coast Convention. As head of the Convention People's Party, he led his country to independence and embarked on ambitious projects like the Akosombo Dam on the Volta River. FTP, name this long-time president of Ghana.

Answer: Kwame **Nkrumah**

13. Functioning as a hormone, this peptide increases blood pressure and volume in several ways. Examples include constricting arterioles to raise blood pressure and stimulating the proximal tubules of the nephrons to reabsorb more sodium chloride and water to reduce its amount excreted in urine to raise blood pressure and volume. Another effect is its stimulation of the adrenal glands to release aldosterone. When the blood pressure or blood volume in the different arteriole drops, the enzyme renin initiates chemical reactions that, FTP, convert the plasma protein called angiotensinogen I into this peptide.

Answer: **Angiotensin II**

14. The Foresaken Merman loses his land-locked lover, The Scholar-Gipsy was only "seen by rare glimpses, pensive and tongue-tied," and the Strayed Reveller was a "spare, dark-featured, Quick-eyed stranger." FTP, name the English poet and schoolmaster who described all these men, most famous for "Stanzas from the Grand Chartreuse" and "Dover Beach."

Answer: Matthew **Arnold**

15. Born at Casatico near Mantua, after receiving his education at Milan, he held positions in the courts of Ludovico il Moro, Francesco Gonzaga, Guidobaldo da Montefeltro, Francesco Maria della Rovere, and Pope Clement the 7<sup>th</sup> as special envoy to Charles the 5<sup>th</sup>, who referred to him as "one of the best knights in the world." For ten points, name this man whose dictums of the proper etiquette and behavior of the nobility were influential in Renaissance Europe as the four-volume work *The Book of the Courtier (Il Cortegiano)*.

Answer: Baldassare **Castiglione**

16. Rare is the opera with a motto, but he began one with the aphorism "in every creature a spark of God", providing an interpretive key for the brutal scenes of prison life in this composer's Dostoevsky-inspired *From the House of the Dead*. He focused on having his operas mirror the sounds of spoken language, and had unusually strong female leads in works like *Jenufa*, *The Cunning Little Vixen*, and *Katia Kabanova*. Best known for the operatic mystery *The Makropulous Case*, FTP, name this 20<sup>th</sup> century Czech composer.

Answer: Leos **Janacek**

17. The Supreme Court case *Luther v. Borden* dealt with a civil war in this state that

arose when Thomas Dorr tried to set up an alternative, progressive government in the 1840s. Long-dominated by anti-federalists, the state decided to skip the Constitutional Convention, and was the last of the original 13 to ratify that document. More recently, its politics have been typified by the UFO-obsessed Clayborn Pell and old-money Lincoln Chaffee. FTP, what contrarian state was founded by William Blackstone and Roger Williams?

Answer: **Rhode Island**

18. A widow facing her fading youth and beauty becomes involved with a younger man in *The Roman Spring of Mrs. Stone*, this writer's first novel. Based on a real-life incident, the first play he wrote focuses on convicts in a Pennsylvania prison who, while engaged in a hunger strike, were roasted to death in a steam-heated cell, but its compassionate portrayal of blacks and homosexuals caused *Not About Nightingales* to be produced 60 years after it was written. For ten points, name this Southern playwright who found success with *Summer and Smoke*, *Sweet Bird of Youth*, *The Night of the Iguana*, and *The Glass Menagerie*.

Answer: Tennessee **Williams**

19. This catchall term includes such disparate biomes as the frigid, stony abyssopelagic zone and the relatively well lighted, sandy mesopelagic zone. Most creatures living in this zone are filter feeders, like sea corals, or fishes like halibut. FTP, name this oceanic zone, composed of the continental slope and deeper areas, and generally referring to the ocean floor.

Answer: **benthic** zone (accept **benthos**)

20. Criticized by Nobel-Prize winner James Meade because it only holds when there are no transaction costs - certainly untrue of the real world - it is nevertheless one of the most important insights in modern economics. Presented in an article entitled "The Problem of Social Cost," it posits that an efficient outcome will always result in the absence of transaction costs. Often cited by conservatives opposed to such supposed "inefficiencies" as environmental regulation, FTP, identify this theorem, named after the 1991 Nobel Prize winner in economics.

Answer: **Coase** theorem (after Ronald Coase)

21. A Mayan temple podium served as inspiration for its design, but it was considered too dangerous to build until the "spherical solution" was proposed to create the curved ribs needed to support the roof. Originally estimated to cost \$7 million in 4 years, this complex at Bennelong Point was built in 14 years with \$102 million and consists of five different venues. For ten points, name this theatrical center originally designed by Danish architect Joern Utzon, the architectural icon of Australia.

Answer: **Sydney Opera House**

22. Based on Hermann Goedsche's novel *Biarritz*, it is divided into chapters like "Economic War" and "Annihilation of the privileges of the Goy-Aristocracy." Created by Tsarist secret police, it was supposedly the minutes of a meeting of in the Prague Cemetery of high rabbis, led by Theodor Herzl. FTP, name this anti-Semitic forgery

promulgated in the US by Henry Ford's *Dearborn Independent*.

Answer: **Protocols of the Elders of Zion**

23. All of the dialogue in this author's play *The Investigation* was drawn from testimony about Auschwitz. Other works, like *Holderlin* and *Trotsky in Exile*, also focused on important cultural or historical events. FTP, what German is best known for the creepy depictions of the insane in *The Persecution and Assassination of Jean-Paul Marat as Performed by Inmates of the Asylum of Charenton Under the Direction of the Marquis de Sade*?

Answer: Peter **Weiss**

24. Its highest authority is the Universal House of Justice, located in Haifa, Israel, and practitioners fast for nineteen days over the course of a year. In the 1840s, Mirza 'Ali Mohammad predicted the coming of a savior and took a title which meant "Gateway." FTP, the writings of the Bab, 'Abd ol-Baha, and Baha' Ullah comprise the major texts of what religion?

Answer: **Baha'i**

25. Created by an Italian monk in the 7<sup>th</sup> century, its name is the Latin for "little reward." German immigrants brought the product to America, and the first American to produce them commercially was Julius Sturgis. The Sturgis bakery still churns out what product, whose symbolic use in Swiss nuptials, FTP, led to the phrase "tying the knot?"

Answer: **pretzels**

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Boni

1. Name the American author from works, for ten points each.

*War and Remembrance, The Winds of War*

Answer: Herman **Wouk**

*John Barleycorn, The Sea Wolf*

Answer: Jack **London**

*The Red Rover, The Sea Lions*

Answer: James Fenimore **Cooper**

2. Answer these related chemistry questions FTP each.

These substances changes the rate of a reaction without being used up

Answer: **catalyst(s)**

Iron is used as a catalyst in this famous reaction, which produces ammonia.

Answer: **Haber** Process

Catalysts work by adding new lower energy pathways, effectively lowering this value, which must be overcome for a chemical reaction to proceed.

Answer: **activation energy**

3. Name the following things that happened in 1516 FTPE:

This blue dye was first introduced to European consumers.

Answer: **indigo**

The Treaty of Freiburg bound France to a “perpetual peace” with this nation. Of course, Napoleon still invaded.

Answer: **Switzerland**

This Ottoman sultan, known as “the Grim,” conquered Syria after winning the Battle of Aleppo. Later, he would die of a carbuncle, and be succeeded by his son Suleiman - the only one of his sons he left alive, in a brutal but effective way to ensure a smooth line of succession.

Answer: **Selim I**

4. Name these moon deities FTP each:

According to Japanese myth, this moon god’s misbehavior forced his sister, sun goddess Amaterasu, into hiding.

Answer: **Susano**

The Norse god of the moon and brother of the sun goddess Sol, he drove the moon chariot through the sky after Borghild, the goddess of the evening mist, had slain the sun.

Answer: **Mani**

In Babylonian myth, this moon god was the earliest of the major gods, and gave birth to the sun-god Shamash. He is often depicted with a bull.

Answer: **Sin** or **Nanna**

5. Given a piece of music, name its composer for five points each:

- a. *The Emperor Concerto*  
Answer: Ludwig von **Beethoven**
- b. *The Emperor Waltz*  
Answer: **Johann Strauss, Jr.**
- c. *The Emperor's Hymn*  
Answer: Franz Joseph **Haydn**
- d. *Entrance of the Emperor and his Court*, from *Hary Janos*  
Answer: Zoltan **Kodaly**
- e. The organ piece *The Emperor's Fanfare*  
Answer: Antonio **Soler**
- f. The opera *The Emperor Jones*  
Answer: Louis **Gruenberg**

6. FTP, given two nations, identify the strait that separates them both.

- a. Australia and Tasmania  
Answer: **Bass Strait**
- b. Italy and Sicily  
Answer: Strait of **Messina**
- c. Corsica and Sardinia  
Answer: Strait of **Bonifacio**

7. Answer these questions about an invention FTP each.

- a. William Einthoven's "string galvanometer" was the precursor to these modern devices, used to create a record of the electric pulses of the heart.  
Answer: **ECG** or **EKG** or **electrocardiograph**
- b. The electrical signals tracked by an EKG pass through this group of muscle fibers in the heart, in between the AV node and the ventricles.  
Answer: **bundle of His**
- c. Once the signal is in the ventricles, it is conducted outward through the thick ventricular walls through these fibers.  
Answer: **Punkinje** fibers

8. Given a term used in the "study" of sociology, name it FTP each:

- a. This theory posits that social changes are most likely to occur when a period of rising expectations is followed by sharp and rapidly worsening conditions.  
Answer: **j-curve** theory
- b. This term, created by German Ferdinand Tonnies, means a sense of community and tradition.  
Answer: **Gemeinschaft**
- c. This ancient doctrine says that a landowner adjacent to a stream has the right to the water in that stream, but cannot prevent the same enjoyment for a user downriver.  
Answer: **riparian** rights

9. FTP each, identify these philosophers who participated in a raucous Cambridge University Moral Science Club meeting in 1946.

- a. The lecturer on that night was this philosopher, who was explaining his new book *The*

*Open Society and Its Enemies.*

Answer: Karl **Popper**

b. This philosopher, who focused on linguistics in his *Tractatus Logico-Philosophicus*, engaged in a heated argument with Popper, eventually threatening Popper with a hot poker.

Answer: Ludwig **Wittgenstein**

c. This elderly pacifist, co-author of *Principia Mathematica*, looked on with some degree of shock.

Answer: Bertrand **Russell**

10. Name the actor who utters the following lines as James Bond, FTP each.

a. "What's the story with you and Elektra?"

Answer: Pierce **Brosnan** (from *The World is Not Enough*)

b. "My name is Pussy Galore."

Answer: Sean **Connery** (from *Goldfinger*)

c. "A duel between titans. My golden gun against your Walther PPK."

Answer: Roger **Moore** (from *The Man With the Golden Gun*)

11. FTP each, given a major work of 20<sup>th</sup> century residential architecture, say where it is located.

a. Frank Lloyd Wright's "Falling Water" was located in this state.

Answer: **Pennsylvania**

b. Known as La Pedrera - 'the quarry' to its residents, but as the Casa Mila to everyone else, Antoine Gaudi's complex, Mediterranean-style apartment building is located in this city.

Answer: **Barcelona**

c. Victor Horta's Art Nouveau masterpiece at 25 *Rue Americaine* in this city was his own home in addition to a showpiece of his ornate design skill.

Answer: **Brussels**

12. Answer these questions about the 1732 War of Polish Succession.

a. This Pole, twice King of Poland, was the rightful heir to the throne, but was forced to abdicate by Russian and German forces.

Answer: **Stanislaw** I Leszczyński

b. Stanislaw fled to this "free city" during the conflict. It would again serve as a "free city" under the auspices of the League of Nations between 1919 and its capture by Nazis in 1939.

Answer: **Gdansk** or **Danzig**

c. As part of the Treaty of Vienna, settling the war, Holy Roman Emperor Charles VI secured recognition of this agreement, by which Maria Theresa would inherit the Hapsburg dynastic lands.

Answer: **Pragmatic Sanction**

13. FTP each, answer these related literary questions.

a. This Cuban author's works include *Explosion in a Cathedral*, *Music in Cuba*, and *The Kingdom of This World*.

Answer: Alejo **Carpentier**

b. Carpentier's last novel, *The Harp and the Shadow*, was a fictionalized diary of this explorer, whose life was also fictionalized in Pam Conrad's *Pedro's Journal* and Jane Yolen's *Encounter*.

Answer: Christopher **Columbus**

c. Carpentier is one of the winners of this prestigious Spanish-language literary award.

Answer: **Cervantes** Prize

14. Name these metamorphic rocks for 10 points each:

a. Pressure caused mineral crystals to form in thin layers perpendicular to the direction of the pressure, giving this rock a definite layered structure. It is shale metamorphosed.

Answer: **slate**

b. More metamorphosed than slate, its crystals can grow quite large in thin layers so that the whole rock is banded. Mica is a prime example.

Answer: **schist**

c. It is metamorphosed from granite, conglomerate, or other kinds of rocks. It has wide bands, usually of quartz. It also has a complacent name.

Answer: **gneiss**

15. Given a brief description of a battle from world history, name it for ten points each.

a. This World War I battle fought in Belgium in 1915 saw the first use of poison gas by the Germans.

Answer: **First** Battle of **Ypres**

This victorious 732 A.D. battle of Charles "the Hammer" Martel helped stave off the invasion of Western Europe by the Muslim Moors.

Answer: Battle of **Tours** (or **Poitiers**)

Fought on St. Bartholomew's Day in 1485, this battle saw the defeat of forces led by Richard III at the hands of Henry Tudor from the House of Lancaster, thus bringing an end to the protracted War of the Roses.

Answer: Battle of **Bosworth Field**

16. Answer these questions about Jewish funeral rites FTP each.

This is the 7-day mourning period

Answer: **Shiva**

This is the period between death and the funeral

Answer: **Aninut**

This is the prayer recited for the dead

Answer: **Kaddish**

17. FTP each:

a. This American author wrote *The Sketchbook of Geoffrey Crayon* and occasionally used the pseudonym Diedrich Knickerbocker.

Answer: Washington **Irving**

b. In Irving's *The Legend of Sleepy Hollow*, this itinerant schoolteacher - who looked like a "scarecrow eloped from a cornfield" - comes to a bad end.

Answer: Ichabod **Crane**

c. Irving worked with James Paulding to create this satirical literary journal, which took

its name from a thick, peppery Indian soup.

Answer: **Salmagundi**

18. Name these related paintings FTP each:

a. The painting by Francisco Goya, famous for its yellowish lighting, commemorates the Spanish street fighters who resisted French invasion.

Answer: The **Third of May, 1808**

b. Scenes of pillage take up the background of this Delacroix painting, whose foreground is filled with dead and dying women and children.

Answer: **Massacre at Chios**

c. The title character stands on the left of this Max Ernst painting. A column rises out of the ocean in the center, and a fantastic figure balances out the right side of the canvas.

Answer: **Napoleon in the Wilderness**

19. 30, 20, 10 name the set of events.

30 - A series of summertime bombings prompted these events, which resulted in the arrests of over 1,000 people - arrests defended by their principal instigator in the essay "The Case Against the Reds."

20 - Their climax came when the ship *Buford* deported 249 leftists, including Emma Goldman, to the USSR.

10 - This series of 1919 "raids" is named for a U.S. Attorney General.

Answer: **Palmer** raids

20. FTP each, answer these related chemistry questions.

This is the ratio of moles of substance to moles of solute.

Answer: **molarity**

You have a  $\text{KMnO}_4$  solution with a molarity of 0.0380. You want to transfer 0.760 millimoles of  $\text{KMnO}_4$  to a new container. How many milliliters of solution do you need to transfer to the new container?

Answer: **20 mL**

What is the normality of a 3 molar  $\text{H}_2\text{SO}_4$  solution?

Answer: **6**

21. Name these New York neighborhoods FTP each.

Charles Dickens and Davey Crockett commented on the amazing crime rate and powerful gangs of this lower Manhattan Park Street neighborhood, the most notorious slum of the 19<sup>th</sup> century. However, Irish immigrants there invented tap dancing and the political primary!

Answer: **Five Points**

This uptown neighborhood, primarily Hispanic and African-American in ethnicity, but up against Columbia University. It is home to President Clinton's current NYC offices.

Answer: **Harlem**

Near NYU, this lower Manhattan neighborhood has long been a harbor for musicians, authors, and other arty types.

Answer: **Greenwich Village**

22. 30-20-10 name the author.

30 - The son of a general, his first literary success was the 1830 drama *Christine*, while his historical drama *Caligula* raised a furor for its hints of homosexuality.

20 - The economic and political intrigues of the de Wittes were the center of *The Black Tulip*.

10 - Left-leaning critics accused him of being associated with the feuilletons, a monarchist group, after he introduced royalist characters like Edmond Dantes and d'Artagnan.

Answer: Alexandre **Dumas pere**

23. FTP each, answer these questions about a big change in Japanese history.

At the Battle of Sekigahara in 1600 AD, this leader defeated the armies of Ishida Mitsunari and Toyotomi Hideyori to assume control of Japan and begin a long dynasty.

Answer: Tokugawa **Ieyasu** (accept Matsudaira **Takechiyo**)

Tokugawa Ieyasu was appointed to this position, which roughly translates to "barbarian-defeating warlord," by Emperor Goyōzei.

Answer: **shogun**

The Tokugawa line of shoguns moved the capital to Tokyo, kicking off this historical period of Japanese history, named after Tokyo's old appellation.

Answer: **Edo**

24. As you probably know, Argentina is royally screwed up. FTP each, identify these economic problems they've been having.

Like many nations, Argentina can't keep up with the interest on the \$22 billion in payments it owes to this loaning body, which often imposes strict free-market conditions on its loans.

Answer: **International Monetary Fund** or **IMF**

The IMF suggested in the early 1990s linking the Argentine currency to the US currency at a 1-1 exchange rate. What is the Argentine currency, recently devalued by President Eduardo Duhalde?

Answer: **peso**

Many Argentines blame political corruption for their economic problems. Duhalde's party, established by a charismatic 20<sup>th</sup> century leader, has been no exception. Name that party.

Answer: **Peronist** party

25. 30, 20, 10 name the scientist.

30 - The introductory speech for his Nobel Prize praised this scientist's "(Masterly) technique... [which lets the] animals remain in good health, without any injury to the function of their digestive tract, permitting observation and systematic investigation over an almost unlimited period."

20 - Such vivisections allowed him to understand the physiological workings of the gastric system, and disprove the idea of "specific excitability."

10 - He's better remembered for work about the conditions before the digestive process begins, positing "conditioned response" after noting that dogs would eventually associate a bell with food, and begin to salivate?

Answer: Ivan **Pavlov**