# 8th Annual Juan Carlos Viscerra tournament 

## Round 15

Packet by Matt Weiner

## Toss-Up Questions

1. In Dostoyevsky's The Possessed, the character of Karmazinov is based on this man, whose first three novels were Rudin, Home of the Gentry, and On the Eve. He expressed his philosophy of the "positive hero" through the character of Vassily Solomin in Virgin Soil but is better remembered for creating the archetypical nihilist. FTP, name this author of a tale about Bazarov called Fathers and Sons.
ANSWER: Ivan Sergeyevich Turgenev
2. Depictions of it were classified into three types by J.C.Younger. The least understood kind shows the human moving off of the animal sideways. One of the more common types indicates the use of an elevated platform and a single point of contact, while the other starts with a grasping of horns. FTP, name this practice involving a sacred animal, shown in frescoes from Minoan Crete.
ANSWER: bull-leaping [accept bull-dancing]
3. It was first invoked in July 1958, when Camille Chamoun requested a Marine presence in Lebanon. Applying only to armed foreign aggression, not to civil insurrections, it was formulated in response to the Soviet role in the Suez crisis. FTP, name this policy, announced in January 1957, which committed the United States to protecting Middle Eastern countries from Communist invasion.

## ANSWER: Eisenhower doctrine

4. The main character of this novel married Yasuko after the death of his first wife, Yasuko's sister. The title sensation occurs only once, triggering fears of death near the start of the story. After the protagonist is accused of harming his daughter in childhood by failing to show enough affection, he grows senile while reflecting on his attraction to Kikukko, wife of his son Shuichi. FTP, name this novel about Ogata Shingo by Kawabata Yasunari.
ANSWER: The Sound of the Mountain [or Yama no Oto]
5. He rose from early jobs as a singer in a cruise ship show and a vacuum cleaner salesman to become the wealthiest person in his country by founding Edilnord, a real estate company, and Fininvest, a media concern which runs the most popular newspaper and television network in the country. The political party which he chairs is named for the cheer uttered by fans of AC Milan, which he also owns. FTP, name this man who is currently serving his second stint as Prime Minister of Italy.
ANSWER: Silvio Berlusconi
6. The polynomial of this name can approximated by the first-kind Chebyshev polynomials. This word is more commonly attached to a theorem which states that the
existence of multiple optimal mixed strategies implies an infinite number. This theorem's core proposition is that optimal mixed strategies exist for every finite, zero-sumo, twoperson game. FTP, name this theorem, the central idea of game theory.
ANSWER: minimax
7. The concrete of its rotunda uses heavy aggregate, while that of the upper part of its dome uses pumice. It once had a portico whose bronze roof beams were melted down by the Barberinis, but its bronze doors remain. Its coffered ceiling receives natural light from a 27 -foot oculus in the middle of the 141 -foot dome. FTP, name this structure, dedicated and probably designed by Hadrian, a temple to all the gods.

Answer: The Pantheon
8. His conception occurred under mysterious circumstances, so his sister urged his four hundred siblings to kill his mother. As the murder was to take place, he was born fully armed and saved his mother Coatlicue, killing his sister Coyolzauhqui. He is depicted carrying the xiuhcoatl serpent, a five-feathered shield, and a flag. FTP, name this Aztec god of war and the sun, also shown with a helmet shaped as a hummingbird's head.
ANSWER: Huitzilopochtli
9. He provided the voice for Mr. Clapper on Pepper Ann, War Machine on Iron Man, and Shredder on Teenage Mutant Ninja Turtles. His film roles include Mr. Yeager in The Brady Bunch Movie and Eldon in Dr. Doolittle 2, and he hosted "Going Places" on PBS. FTP, name this actor, probably best known for portraying Philip Banks on The Fresh Prince of Bel-Air.
ANSWER: James L. Avery
10. He believed that matter was composed of compounds called primordia and that motion originated in an organizing nous, a mind manifested as a thin liquid. He proposed that the moon reflects light from the sun, a giant ball of glowing iron, and he was accused of heresy after denying that the moon and sun were gods. FTP, name this man, an acquaintance of Pericles who became the first to philosophize in Athens.
ANSWER: Anaxagoras of Clazomenae
11. The description of the courthouse in this work was later put on a plaque in front of the actual courthouse in Oxford, Mississippi. It contains the much-interpreted line "The past is never dead. It's not even past" in a discussion over the fate of Nancy, who is condemned to die for murdering Gowan Stevens's child. Taking place eight years after Sanctuary, it continues the story of Temple Drake. FTP, identify this heavily narrated play by William Faulkner.

## ANSWER: Requiem for a Nun

12. After the original substances are mixed as beams of molecules, an ultrafast laser injects two pulses, known as the pump and probe pulses. Varying the time between the two beams, down to the range of 10 to the minus $15^{\text {th }}$ seconds, shows how fast a chemical reaction takes place. FTP, this describes what recent procedure, for which Ahmed Zewail won the 1999 Nobel Prize for Chemistry?

Answer: femtosecond spectroscopy (prompt on "femtochemistry" or early
"Zewail")
13. "We have been up all night, my friends and I, beneath mosque lamps whose brass cupolas are bright as our souls, because like them they were illuminated by the internal glow of electric hearts," begins this screed. It goes on to the promise to "glorify war," praise the "beauty of speed" and "demolish museums and libraries." FTP, name this document, authored by Filippo Marinetti, which set forth the doctrine of an artistic movement that also included Giacomo Balla and Umberto Boccioni.
ANSWER: The Futurist Manifesto
14. Of its sixteen khoueng provincial divisions, Champasak contains the notoriously rainy Bolovens Plateau while Xiangkhoang is the location of the mysterious Plain of Jars. This country's flag depicts a white circle on a blue stripe in between two red stripes. The world's number three producer of opium, it shares the Golden Triangle with Myanmar and Thailand. FTP, name this country on the Mekong River with capital at Vientiane. ANSWER: Laos [or Lao People's Democratic Republic; or Saathiaranagroat Prachhathippatay Prachhachhon Lao]
15. They included Ezzelino da Romano, Castruccio Castracani, Della Scala, and the families of Colonna, Visconti, and Montefeltro. They originated as supporters of Frederick II of Hohenstaufen, taking their name from one of that house's estates. FTP, name this Italian political group which supported the authority of the Holy Roman Emperor over that of the Pope, in opposition to the Guelphs.
ANSWER: Ghibbelines [or Ghibbelinos]
16. Zhang Qian is often called the "father" of this entity, which the state of Wulei was organized in order to protect. Coming into use around 150 BCE , it ran from Xian through Samarkand and Damascus to Antioch. FTP, name this trade route which brought wool and precious metals to China and the namesake material to the Roman Empire. ANSWER: Silk Road
17. The ideas behind this school can be traced to the Book of Formation, which introduced the concept of sephiroth. Central concepts include the En Sof, the infinite, pure form of God, and movement through the sefrot, the ten levels of the world. Believed by some to have been founded by Isaac the Blind, its most important document is the Book of Splendor or Sefer ha-zohar. FTP, name this tradition of mysticism in Judaism. ANSWER: Kabbalah
18. For supply, it is equal to zero during the market period. For the demand of a given good, this property increases with substitutability, with the proportion of income occupied by the good, with the good's luxury or necessity status, and with the length of time over which a purchase is considered. FTP, identify this property which quantifies the possibility of change in the cost of an item.
ANSWER: price elasticity [or cost elasticity]
19. First catalogued by Longo, his works are now referenced by Kirpatrick numbers.

Cardinal Ottoboni arranged a contest between him and Handel in which Handel won the organ-playing portion but this man was judged superior at the harpsichord. L'errore innocente was his first opera, and he created the distinction between aria and recitative. FTP, name this inventor of Neapolitan opera, the composer of six hundred cantatas and the opera Pompeo.
ANSWER: Giuseppe Domenico $\underline{\text { Scarlatti }[p r o m p t ~ o n ~} \underline{\text { Scarlatti; }}$ accept $\underline{\text { Giuseppe }}$ Scarlatti]
20. Methyl acetoacetate produces 3 spikes and acetic acid produces 2, while an isopropyl group produces a 7 -spike sequence because of spin-spin splitting. Unlike IR spectroscopy, this technique produces narrow spikes, indicating how many different "types" of protons are present. The machine consists of a stable magnet with a sensitive controller, a radio-frequency transmitter, a detector, and a recorder. FTP, name this type of spectroscopy, similar to a medical imaging technique.

## Answer: NMR or nuclear magnetic resonance (prompt on "MRI")

21. This novel begins with a walk in the company of the minister Campbell, who gives four gifts. Help comes from Alan, an army deserter and Jacobite, who is related to Macrob the ferry driver; eventually the protagonist foils Hoseason, who was hired to prevent transfer of the Shaws from Ebenezer. FTP, name this novel which follows the adventures of David Balfour, written by Robert Louis Stevenson.
ANSWER: Kidnapped
22. The ones occurring in American English can be voiced stops, as in "gap," or voiceless stops, as in "cap." The voiced nasal one is found at the end of "sing." The voiceless fricative one can be heard at the end of the Scottish word for "lake." In modern English, they have the most rearward place of articulation of any consonants. FTP, name this place of articulation to which the back of the tongue is raised.
ANSWER: velars [accept velum]
23. The first one was delivered in 351 BCE during a discussion of Rhodes, and three more came before the subject was continued in the Olynthiacs. They disputed the arguments of Aeschines and proposed a defensive Hellenic league. Their name was later invoked by Cicero for fourteen orations against Antony. FTP, name this series of speeches by Demosthenes which so harshly condemned the king of Macedon that their name now refers to any scathing denunciation.

## ANSWER: Philippics

24. Its low, flat skull had heavy brow ridges, and its jutting but chinless jaw had very large teeth. They were able to use stone tools, and their body was much like that of modern humans, with a barrel chest and long legs. Examples of this species include Java Man, Peking Man, and Turkana Boy. FTP, name this species which, as its name indicates, stood upright.

Answer: Homo erectus (accept Homo ergaster)

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## Bonus Questions

1. Name these Sanskrit terms used in Hinduism for 10 points each.
a. The cycle of worldly reincarnation is known by this name.

ANSWER: samsara
b. This is the release from samsara.

## ANSWER: moksha

c. One of the four ends of man, it is the pursuit of economic prosperity. ANSWER: artha
2. Identify the following regarding relations between two countries at the turn of the twentieth century for 10 points per part.
a. By creative mistranslation between the Italian and Amharic versions of the 1889 treaty of Uccialli, this country was deceived into proclaiming itself an Italian protectorate.
ANSWER: Ethiopia
b. The emperor of Ethiopia from 1889 to 1909 , he renounced the treaty upon learning of the discrepancy in wording.
ANSWER: Menelik II [prompt on Menelik]
c. This March 1, 1896 battle saw Ethiopia defeat the Italians under Oreste Baratieri, securing independence.
ANSWER: Adwa [or Adowa]
3. Give the scientific term, 30-20-10.

30: Occurring at a wavelength between 440 and 479 nanometers, it is triggered by noradrenaline in some fish and glutamate in some insects.
20: In dinoflagellates, pressure greater than a dyne per square centimeter causes an action potential which lets acid from the vacuole trigger a chemical reaction, leading to the production of a luciferase.
10: It is the emission of light by animals.
ANSWER: bioluminescence
4. Name these Friederich Nietszche works for 10 points each.
a. This work, with divisions such as "European Nihilism" and "Principles of a New Valuation," describes the title concept, explained as the motive due to which "every specific body strives to become master over all space and to extend its force."
ANSWER: The Will to Power [or Der Wille zur Macht]
b. Subtitled "A Book for Free Spirits," its chapters include "The Signs of Higher and Lower Culture" and "A Glance at the State." A collection of aphorisms, it marked the beginning of Nietzsche's "scientific period."
ANSWER: The Human, All too Human [or Menschliches, Allzumenschliches]
c. This book analyses the origin of guilt, skewering Christianity and the "ascetic ideal"
while praising the "Dionysian tragic artist."
ANSWER: On the Genealogy of Morals [or On the Genealogv of Morality; or Zur Genealogie der Moral]
5. Answer the following about an anthropologist and his work for 10 points each. a. The nephew of Emile Durkheim, this author of Sacrifice: Its Nature and Function cofounded the University of Paris's Ethnology Institute.
ANSWER: Marcel Mauss
b. Mauss's major work is this 1925 book which examines a certain kind of exchange in various cultures, concluding that it is obligatory even when presented as voluntary.
ANSWER: The Gift [or Essai sur le don]
c. One form of gift-giving discussed by Mauss is this practice among Native Americans of the Pacific Northwest which, in its most lavish form, saw the giving and destruction of valuable items.
ANSWER: potlach
6. Name these Brazilian authors for 15 points each.
a. This best-selling author of Gabriela, Clove, and Cinnamon; Shepherds of the Night;

Dona Flor and Her Two Husbands; and The Great Ambush died in August 2001.
ANSWER: Jorge Amado
b. Almost universally considered the greatest Brazilian novelist, his works include

Philosopher or Dog?, the popular Dom Casmurro, and Epitaph of a Small Winner.
ANSWER: Joacuim Maria Machado de Assis
7. Give these terms from computer graphics for 10 points each.
a. This kind of graphics creates images directly from an array of pixels.

ANSWER: raster graphics
b. This kind of graphics uses the position, length, and direction of lines to create images. ANSWER: vector graphics
c. When rendering three-dimensional objects, one might use this technique which calculates the path of light from the viewing angle to the light source to create shadows and unidirectional reflection.
ANSWER: ray tracing
8. Name these Robert Browning poems for 10 points each.
a. A multi-volume blank verse poem, it describes the various scandals surrounding the 1698 murder trial of Guido Franceschini.
ANSWER: The Ring and the Book
b. Dirck, Joris, and the narrator eventually depend on the horse Roland to perform the title action of this poem.
ANSWER: "How They Brought the Good News from Ghent to Aix"
c. In this poetic statement on the role of art, the title character argues for naturalistic depiction of commonplace objects, ending his missive with "Don't fear me. There's the grey beginning. Zooks!"
ANSWER: "Fra Lippo Lippi"
9. Name these plays by Lillian Hellman from plots for 10 points apiece.
a. Later spawning a prequel, "Another Part of the Forest," it follows the family treachery spawned by Ben and Oscar Hubbard's seeking of a loan.
ANSWER: "The Little Foxes"
b. Mrs. Wright and Mrs. Dobie are accused of lesbian activity by spiteful students.

ANSWER: "The Children's Hour"
c. The Washington-area Farrellys hear of the rise of Nazism as family members return to the U.S. after time in the German underground.
ANSWER: "Watch on the Rhine"
10. Name the state from which the given individuals are seeking election or re-election to the U.S. Senate in 2002 for 10 points each.
a. Erskine Bowles and Elizabeth Dole

ANSWER: North Carolina
b. Tim Hutchinson and Mark Pryor

ANSWER: Arkansas
c. Tim Johnson and John Thune

## ANSWER: South Dakota

11. Name these works by B.F. Skinner for 10 points each.
a. In this didactic novel, Rodgers, Steve, Barbara, Mary, and Castle visit the titular utopian community established by Frazier.
ANSWER: Walden Two
b. In this treatise, Skinner writes that "man does not act upon the world, the world acts upon him" and the two title concepts "are the possessions of the autonomous man of traditional theory" and must be discarded for social progress.
ANSWER: Bevond Freedom and Dignity
c. In this 1952 book, which contains no references or bibliography, Skinner explains his opposition to "mentalist" analysis and first elucidates the idea that individualism and responsibility are impediments to progress.
ANSWER: Science and Human Behavior
12. Name these frauds whose names begin with "M" for 10 points each.
a. His childhood neighbors in Limerick say that this author's family was never poor, casting doubt on the validity of his memoirs Angela's Ashes and 'Tis.
ANSWER: Frank McCourt
b. This Guatemalan won the 1992 Nobel Peace Prize as a result of her autobiography. Investigation has since revealed that she didn't write the book, she was attending a prestigious boarding school during times when she claimed to have been forced into farm labor, and the brother whom she describes as starving to death never existed.
ANSWER: Rigoberta Menchú Túm
c. The founder of the International Church of the Forsquare Gospel, she claimed to have escaped from kidnappers after disappearing for a month in 1926, but the little existing evidence suggests she was having a tryst with a male employee.
ANSWER: Aimee Semple McPherson
13. Answer the following about two 1849 paintings and the artist who created them for

10 points each.
a. This work depicts the funeral of an anonymous peasant. The left side features a group in white to the left of the priest in black and a group in red to the priest's right, while black-clad peasants are behind the animal on the right.
ANSWER: A Burial at Ornans
b. Destroyed in the firebombing of Dresden, this painting shows a man on the left carrying a heavy basket and another on the right raising a pickaxe.
ANSWER: The Stone Breakers
c. This creator of A Burial at Ornans and The Stone Breakers also painted The Peasants at Flagey and The Painter's Studio.
ANSWER: Gustave Courbet
14. FTP each, name these bankruptcy-related "chapters."
A. Also called rehabilitation, a federal bankruptcy court supervises a person or small business which agrees to repay a portion of its debt.

Answer: Chapter Thirteen
B. The federal court supervises the sale of a person's or business's assets and property and disburses the proceeds to creditors.

Answer: Chapter Seven
C. The reorganization of an insolvent corporation, which is supervised by the federal bankruptcy court. It's the one you've probably heard of.

Answer: Chapter Eleven
15. Name these groups of females from Greek myth for 10 points each.
a. Composed of Clotho, Lachesis, and Atropos, they control the duration of life.

## ANSWER: Fates [or Moirae]

b. The three sisters Pemphredo, Enyo, and Deino made up this group, which guarded the home of the Gorgons and shared a single eye and tooth.
ANSWER: Graeae
c. Snatchers of food and corpses, they included Aiello, Celaeno, Ocypete, and Podarge.

ANSWER: Harpies
16. Name these processes which use semipermeable membranes for 10 points each.
a. This process is defined as the separation of two or more substances of differing molecular size by passage through a semipermeable membrane.
ANSWER: dialysis
b. Pressure is applied to a solution to force the solvent to flow through the membrane to a more diluted solution in this process, commonly used in desalination.
ANSWER: reverse osmosis [or exosmosis]
c. This process separates gasses of different densities using a semipermeable membrane.

ANSWER: atmolysis
17. Name these Supreme Court decisions from 1967 for 10 points each.
a. The decision in this case found that a state law against interracial marriage violated the Fourteenth Amendment.
ANSWER: Loving et $u x$. v. Virginia
b. Arising from a tapped telephone booth, this case was a turning point in Fourth Amendment jurisprudence, moving from a property to a privacy standard by declaring that "the Fourth Amendment protects people, rather than places" and overturning the "trespass doctrine."
ANSWER: $\underline{\text { Katz }}$ v. United States
c. This case found that a 15 -year-old Arizonian detained for making obscene phone calls had been denied certain rights of due process, rejecting the Arizona courts' finding that no constitutional guarantees apply to minors.
ANSWER: In re Gault
18. Answer the following about a faction in the Democratic-Republican Party for 10 points apiece.
a. This group broke with mainstream Republicans over the Yazoo incident, the Embargo Act, and the purchase of Louisiana and Florida. They viewed themselves as a "third something" apart from the Federalists and Republicans.
ANSWER: Tertium Quids
b. The Quids were led by this politician, known for his Roanoke home. A cousin of Jefferson, he chaired the House Ways and Means Committee and later became a Senator and ambassador to Russia.
ANSWER: John Randolph
c. In 1808, the Quids lost a battle with Jefferson over the Presidential nominee of the Democratic-Republican Party. Jefferson's candidate, James Madison, won out over this favorite of the Quids, who in 1811 became Secretary of State under Madison.
ANSWER: James Monroe
19. Answer the following about a song for 10 points per part.
a." Baby, baby it looks like it's gonna hail," but "Mama's in the backyard learning how to" perform the title actions in this song.

## ANSWER: "Jump, Jive, and Wail"

b. The composer of "Jump, Jive, and Wail" and first to record it was this man, who also voiced King Louie in the Disney version of The Jungle Book.
ANSWER: Louis Prima
c. "Jump, Jive, and Wail" was covered on the 1998 album The Dirty Boogie by this group whose other records include Ignition and Guitar Slinger.
ANSWER: The Brian Setzer Orchestra
20. Answer the following about rules involving double bonds in organic chemistry, F15P each:
A. According to this rule, a stabled bridged bicyclic compound cannot have a double bond at a bridgehead carbon unless one ring has at least 8 carbons.

Answer: Bredt's rule
B. The Satzyeff rule, which says that an elimination usually gives the most stable product, applied to this class of compounds.

Answer: alkenes
Answer the following about British history in the 1830s and 40s for 10 points each.
a. John Bright and Richard Cobden led a league opposed to these economic restrictions, which were effectively ended in 1846.
ANSWER: Corn Laws
b. As a result of the creation of additional Whig peers in the House of Lords, this 1832 bill which expanded the franchise and eliminated some rotten boroughs was passed.
ANSWER: First Reform Act [accept First Reform Bill]
c. Opposition to the half-heartedness of the First Reform Act became one of the principles of this group, led by William Lovett and Francis Place. They demanded fully equal boroughs, universal male suffrage, and a salaried, annually elected Parliament.
ANSWER: Chartists [accept Chartism]
21. Name the Irish authors from works for 10 points each.
a. The plays "The Silver Tassie," "The Plough and the Stars," "Juno and the Paycock," and "Purple Dust"
ANSWER: Sean O'Casey [or John Casey]
b. The short story collections Midsummer Night Madness and The Man Who Invented Sin, as well as the novels A Nest of Simple Folk and Come Back to Erin
ANSWER: Sean O'Faolain
c. The short stories "Guests of the Nation," "My Oedipus Complex," "First Confession," and "The Long Road to Ummera"
ANSWER: Frank O'Connor [or Michael O'Donovan]
22. Name these politicians from tsarist Russia for 10 points each.
a. This secretary to Alexander I's Council of State commissioned the forty-five volume Digest of the Laws of the Russian Empire, but, as a result of his Napoleonic sympathies, he was replaced by Shishkov in 1812.
ANSWER: Mikhail Speransky
b. A German-born leader of the Duma in the early twentieth century, he dissolved the legislature and ruled by decree after his plan to privatize peasant land was rejected. In 1911, Dmitri Bogrov fatally shot him at a Kiev theater.
ANSWER: Pietr Arkadevich Stolypin
c. Like most Russian men of his time, he had an affair with Catherine the Great. He also built the Sevastopol harbor as part of his plan to strengthen the Russian naval presence on the Black Sea. Things named for him include sham "villages" and a certain battleship. ANSWER: Grigory Aleksandrovich Potemkin

