

Cardinal Classic XI
Packet by Chicago
Round 5

TOSSUPS

1. His first collection of poems includes "Xenophanes," "Bacchus," and "The Sphinx." (*) His only other collection, May-Day and Other Poems, appeared in 1867 and includes "Terminus" and "Brahma." FTP, name this American poet of "Uriel" and the "Concord Hymn," better known for his essays.

Answer: Ralph Waldo Emerson

2. As with the Proca and Maxwell equations, it is an extension of the Klein-Gordon equation involving the coupling of a SU(2) space to the U(1) space spanned by Klein-Gordon. (*) In doing so, it utilizes gamma matrices to construct the spinors representing the fields associated with spin one-half particles. FTP, name this generalization of Schroedinger's equation to relativistic fields, the development of which led to its namesake's prediction of the positron.

Answer: Dirac equation

3. Although this man was a friend of the dauphin Louis XI when they were children, they became bitter enemies later in life. Coming to power after the death (*) of Duke Phillip the Good, he wished to carve out an independent territory to the Rhine, and despite his French upbringing, he allied with the English in 1468. FTP, name this man who nearly became king of Burgundy.

Answer: Charles the Bold

4. He attended college at the University of South Carolina and he ended his career with the Toronto Blue Jays in 1991. He was never a very effective (*) fielder, but he was always renowned for his speed, at one point being declared the fastest runner in baseball over thirty. For ten points, name this long time New York Met, best known for hitting the ground ball between the legs of Bill Buckner to win Game Six of the World Series.

Answer: Mookie Wilson

5. This Novel tells the story of sixteen year old Portia Quayne, (*) who is sent to live with her brother in London after their mother passes away. There she meets Eddie, a young assistant to her brother with whom she falls in love, but her world is crushed when it is discovered that he has been holding hands with other girls in public. For ten points, name this novel, the best know of Irish novelist Elizabeth Bowen.

Answer: The Death of the Heart

6. His letters to the poet Hildegard Jone set forth his compositional principles, and he set her verse to music in two cantatas that were published posthumously. His Symphony of 1929 (*) is in two short movements, a double canon and a palindromic set of variations, while his earlier atonal pieces include the Three Little Pieces. FTP, name this composer who was accidentally killed by American troops in 1945, one of the first students of Schoenberg.

Answer: Anton von Webern

7. Its development in 1840 marked the first significant work in chemical thermodynamics since Lavoisier's work eighty years prior. Measuring the heat developed by a wide variety of chemical reactions, this law's namesake (*) generalized the earlier conclusions drawn from study of steam engines by Carnot in 1824. FTP, name this thermodynamic law stating that the heat realized by a reaction is dependent only on the starting and ending points and independent of the path taken.

Answer: Hess's Law

8. He eloped in 1833 with Countess Marie d'Agoult, and kept a low profile for 6 years. After 1847, it was the Princess Sayn-Wittgenstein who kept him away (*) from performing. In between, he was perhaps the first international superstar, playing 1000 concerts to hysterical crowds. FTP, name this virtuoso pianist and composer, who set new standards for performance.

Answer: Franz Liszt

9. It is controlled by a sassy computer named Loquatia, and it shuttles its two pilots, Morris Clay and Tyberius Walker, around the galaxy on missions order by their leader (*) Vashti. It resembles a 1975 Buick with wings, and is often used to outrun the bounty hunter Amma. For ten points, name this intergalactic vehicle featured on the short-lived UPN series, starring Darryl M. Bell and Flex, titled "Homeboys From Outer Space."

Answer: The Space Hoopty

10. His early works examined labor leaders and the new middle class with methods derived from Lazarsfeld, while his collaboration with Gerth, Character and Social Structure, was (*) indebted to Mead. After joining the faculty of Columbia in 1945, he turned to more outspoken social criticism, and attacked Parsons in The Sociological Imagination. FTP, identify this sociologist, best known for a 1956 study of the oligarchy that really runs America, The Power Elite.

Answer: Charles Wright Mills

11. His work on stellar structure in the 1940's disproved Chamberlain's earlier planetesimal theory and his staunch opposition to (*) Chandrasekhar's theories concerning white dwarfs led to the latter's expulsion to Chicago.

Work on stellar formation led to his eponymous limit relating the maximum level of accretion to the resultant radiation pressure. FTP, name this astrophysicist, leader of the 1919 expeditions to Brazil and Principe which first measured Einstein's predicted solar gravitational lensing.

Answer: Sir Arthur Stanley _Eddington_

12. The son of Amaziah, he ruled over Judah from 783 BCE to 742 BCE, at the height of its power. He rebuilt the walls of Jerusalem, (*) irrigated the desert, and gained territory, until stricken with leprosy. FTP, name this biblical king, in the year of whose death Isaiah began his calling.

Answer: _Uzziah_ (or _Azariah_)

13. He studied mathematics at Oberlin College and did graduate work with Rudolph Carnap in Prague. He is notable for applying mathematical logic to epistemological problems, such as in his 1951 paper "Two Dogmas of Empiricism," (*) where he denies the existence of analytic-synthetic distinction and urges a move towards pragmatism. For ten points, name this recently deceased, long-time Harvard philosophy professor, whose best known work on the philosophy of language is 1960's "Word and Object."

Answer: Willard Van Orman _Quine_

14. The events of the novel end when Clytie burns down the house to prevent Rosa Coldfield from getting at Henry. 44 years earlier, Henry had shot (*) Charles Bon before he could marry Judith, which would have been incestuous and miscegenetic. FTP, identify this book, in which Quentin Compson tells the story of Thomas Sutpen, a work of William Faulkner.

Answer: _Absalom, Absalom!_

15. His first two victories left him with brands on his palms and a never-healing wound in his side that was later crossed with a slash from (*) Padan Fain's dagger. The remainder of his markings came after passing through the crystal columns at Rhuidean, proclaiming him the Dragon Reborn. FTP, name this increasingly insane martyr-hero, the main protagonist in Robert Jordan's _Wheel of Time_ series.

Answer: _Rand_ al'Thor

16. An alternative definition of this term is a one-dimensional abelian variety; the Riemann-Roch theorem then implies that the classical definition is satisfied, and the Group Law comes from identification (*) with the Picard group. FTP name these genus one surfaces, defined classical by equations like $y^2 = x^3 - x$ (y squared is equal to the difference of x cubed and x).

Answer: _Elliptic Curves_

17. The John Barth novel named after this creature won the National Book Award, and the dangerous disease in *Mission Impossible: II* shared its (*) name. The offspring of Typhon and Echinda, this monster was killed by Bellerophon, who was mounted on Pegasus at the time. For ten points, name this multi-part monster from Greek Mythology.

Answer: _Chimaera_

18. He supported himself as a legal official and as a music director in Bamberg and Dresden, and his compositions include the ballet _Arlequin_. The publication of _Fantasy Pieces in the Style of Callot_ made him famous as a writer, though, (*) and he went on to write two novels, _The Life and Opinions of Kater Murr_ and _The Devil's Elixir_. FTP, name this German author of _The Serapion Brothers_, three of whose strange tales were turned into an opera by Offenbach.

Answer: Ernst Theodor Amadeus _Hoffmann_

19. Current studies of the Snake River Plain in Idaho suggest that one of these is likely responsible for most of the geologic activity in the area. Located beneath Yellowstone National Park, basaltic magma generated in the mantle (*) is melting the lower crust, forming rhyolitic magma rich in dissolved gas. Eventually this will result in a volcano similar to those that gave rise to the Galapagos and Hawaiian Islands. FTP, name this phenomena, the formation of a "hot spot" in the middle of a crustal plate.

Answer: Mantle _Plume_ (prompt on _hot spot_ on the early buzz)

20. He had an affair with the married Susette Gontard that contributed a nervous breakdown that ended his career. His output spans roughly a decade, but he is now considered one of the best German Romantic poets, responsible for such celebratory odes as "Heidelberg" and "The Rhein." (*) For ten points, name this writer, whose works include "Bread and Wine" and "Hyperion, or the Hermit in Greece."

Answer: Fredrich _Holderlin_

21. This affair was to have been settled by the Johnson-Clarendon Convention, but the Senate rejected it. Although Sumner held out for more money, Hamilton Fish managed to secure the Treaty of Washington, (*) which awarded the U. S. \$15,500,000 because of a lack of "due diligence" practiced by Great Britain. FTP, these damages were paid because of losses to the Northern merchant marine led by what Confederate raider, which had been captained by Raphael Semmes?

Answer: the _Alabama_

22. After graduating from Miami of Ohio and a brief stint at a Baltimore alternative newspaper called "Harry", he gained his first national exposure as the editor of the National Lampoon. Later collections of his work like _Holidays in Hell_ (*) and _Republican Party Reptile_ got him his current jobs as

political correspondent to "Rolling Stone" and political hack at "American Spectator". FTP, name this successor to Hunter S. Thomson's school of gonzo journalism.

Answer: P.J. _O'Rourke_

23. Venice succeeded in holding off his advances toward Cyprus, due in part to Pope Pius V organizing the "Holy League" to rally around the effort. Keeping the throne a mere eight years, he was succeeded by his son Murad II(*) in 1574, setting off a series of rapid turn-over that eventually eroded the Empire's strength. FTP, name this drunkard and less-than-capable successor to Suleiman, the big loser at the battle of Lepanto in 1571.

Answer: _Selim II_

24. This event drew travellers from around the world, and bred pride and praise for the many technological improvements of life. The centerpiece was a building made only of man-made materials, glass and iron, (*) and filled with marvels from all nations. FTP, name this 1851 event at which the British lauded their superiority.

Answer: _Great Exposition_

25. The project was begun as the work of one man in 1948. 7.4 million tons of rock had been removed by his death in 1982, when the family of Korczak Ziolkowski (Core-jock Jewel-cuff-ski) (*) took over the project. FTP, name this Black Hills monument, a 500 foot tall carving in the round of a Lakota chieftan.

Answer: _Crazy Horse_

26. . Among the characters in this novel is one who is always walking a dog with a skin condition, which he constantly yells at until one day it runs away, The main character's mother (*) dies, he asks a girl to marry him, and he is sentenced to death for shooting a man. These are some elements in--for 10 points_ -what first novel by Albert Camus?

answer: The _Stranger_ or _L'Etranger_ (l'eh-trahn-ZHAY)

BONUS

1. Answer the following about Haydn, FTPE.

(A) Haydn worked most of his life as the composer and conductor for this family.

Answer: Esterhazy

(B) These twelve symphonies were composed in connection with Haydn's first trip to England, in 1791-2.

Answer: London Symphonies

(C) Haydn composed this quartet in 1797, basing the melody on another popular, patriotic tune he had written the previous year.

Answer: Emperor quartet

2. Name the rapper from songs, FTPE.

(A) "Travelin' Man" and "Ms. Fat Booty"

Answer: Mos Def

(B) "Holla Holla" and "Put it on Me"

Answer: Ja Rule

(C) "Bling Bling" and "Hennessy & XTC"

Answer: B.G.

3. Identify these linguists, FTP each.

(A) This student of Boas worked on Canadian Indian languages before publishing 1921's Language, which emphasized the social reality of which language is part.

Answer: Edward Sapir

(B) This prolific Russian became a professor at MIT in 1957, and with Morris Halle suggested in Fundamentals of Language that 12 binary oppositions would account for all the contrasts in world languages.

Answer: Roman Jakobson

(C) This whack-job from MIT wrote Syntactic Structures and American Power and the New Mandarins.

Answer: Noam Chomsky

4. Identify these pieces of legislation from 1938, FTP each.

(A) This resolution, sponsored by an Indiana representative, stated that

Congress could not declare war without a national referendum.

Answer: the _Ludlow_ Resolution

(B) This act established a minimum wage of 40 cents an hour and forbade labor for children under the age of 16.

Answer: the _Fair Labor Standards_ Act

(C) It modified a 1933 act of the same name, and set quotas for export commodities and authorized loans based on surplus crops.

Answer: the _Agricultural Adjustment_ Act

5. Given the title of a biology popularization, name the author for the stated number of points.

(5) "The Selfish Gene"

ANS: Richard _Dawkins_

(5) "The Flamingo's Smile"

Answer: Stephen J. _Gould_

(10) "At Home in the Universe : The Search for Laws of Self-Organization and Complexity"

Answer: Stuart _Kaufman_

(10) "The Red Queen : Sex and the Evolution of Human Nature"

Answer: Matt _Ridley_

6. Answer these questions about a French writer, FTP each.

(A) Her works include two novels, _Delphine_ and _Corinne_, and 1810's _On Germany_, which led to her persecution by Napoleon.

Answer: Madame de _Stael_ or Germaine de _Stael_

(B) de Stael was the daughter of this French finance minister under Louis XVI.

Answer: Jacques _Necker_

(C) She began studying Germany under the influence of this man, her long-time lover best known for his novel _Adolphe_.

Answer: Benjamin _Constant_

7. Answer the follow about Chinese history, FTPE.

(A) Name the first dynasty to rule over all of China as an empire.

Answer: _Ch'in_

(B) This period immediately preceded the Ch'in dynasty.

Answer: _Warring States_ period

(C) According to legend, this dynasty was founded following a great flood, and preceded the Shang.

Answer: _Hsia_

8. Name these works of Samuel Richardson, FTPE.

(A) The first of Richardson's chronicles the life of a fifteen-year old maidservant, and is widely considered to be the first modern English novel.

Answer: _Pamela_, or Virtue Rewarded

(B) Richardson's next novel chronicles the sexual degradation of the title character and is one of the longest novels in English.

Answer: _Clarissa_, or the History of a Young Girl

(C) Published in 1753, it is Richardson's final work and features a virtuous male counterpart to Clarissa.

Answer: _Sir Charles Grandison_

9. Answer the following about classical mechanics for ten points each.

(10) This quantity is given by the difference in kinetic and potential energy of a particle in a system.

Answer: _Lagrangian_

(10) This quantity, given by the integral of the Lagrangian, is minimized along the path of a particle in the system.

Answer: _Action_

(10) In a conservative system, the force vector on a particle is related to this function acting on the scalar potential.

Answer: _Gradient_

(do not accept "derivative"; force is a vector quantity)

10. Given a lines preceeding the song's title in the chorus, name the Guns 'N' Roses tune, FTPE.

(A) With your bitch slap rappin'
And your cocaine tongue
You get nuthin' done.

Answer: _You Could Be Mine_

- (B) She takes me away to that special place
And if I stared too long
I'd probably break down and cry

Answer: _Sweet Child O' Mine_

- (C) Turn me around and take me back to the start
I must be losin' my mind -- "Are you blind?"
I've seen it all a million times

Answer: _Paradise City_

11. Answer these questions about a British playwright FTP each.

- (A) His plays include _A Patriot for Me_, about a homosexual soldier, and
Inadmissible Evidence, which depicts a solicitor's breakdown.

Answer: John _Osborne_

- (B) Osborne is best known for this 1956 work about Jimmy Porter.

Answer: _Look Back in Anger_

- (C) This 1957 Osborne play is set in a decrepit music-hall.

Answer: The _Entertainer_

12. Answer the following about mathematical logic, for the stated number of points.

- (5) This law states that for any expression A, the statement "A or not A" is always true.

Answer: Law of the _Excluded Middle_

- (10) Name the system of logic developed by L.E.J. Brouwer in the 1910s and 20s, that rejects the law of the excluded middle and under which any real-valued function is continuous.

Answer: _Intuitionism_

- (15) In the early 1930s, two mathematicians made Brouwer's definition of truth explicit, introducing what are now called BHK semantics. 5 for one, 15 for two, name them.

Answer: A. _Heyting_ and A. _Kolmogorov_

13. Name the Hong Kong film director from a list of films, FTPE.

- (A) "A Better Tomorrow" and "The Killer"

Answer: John _Woo_

- (B) "Peking Opera Blues" and "Once Upon a Time in China"

Answer: _Tsui_ Hark

(C) "Happy Together" and "In the Mood for Love"

Answer: _Wong_ Kar-Wai

14. Answer the following about a Welsh collection of stories, FTPE.

(A) This group of 11 medieval Welsh tales includes Kulhwch and Olwen.

Answer: _Mabinogion_

(B) One of the tales is about this daughter of Llyr, a sister of King Bran of England who marries King Matholwch of Ireland.

Answer: _Branwen_

(C) This Prince of Dyfed marries Rhiannon.

Answer: _Pwyll_

15. Answer the following about the non-political history of our latest president, FTPE.

(A) As part-owner of the Texas Rangers, Bush fired this manager for the team's repeated failures in the play-offs.

Answer: Bobby _Valentine_

(B) This was the first failed oil company Bush started. Launched in 1977, it didn't start operations until 1979 after Bush's failed congressional run.

Answer: _Arbusto_ Energy Inc.

(C) This unauthorized biography by J.H. Hatfield alleged that Bush had been arrested for cocaine use in 1972 and was recalled by St. Martin's Press when it was revealed that Hatfield had served time for a car bombing.

Answer: _Fortunate Son_

16. Answer the following boring-ass engineering questions, 15 points each.

(A) Designated by a lower case "h", this quantity describes the flow potential in fluid due to static pressure, velocity and elevation.

Answer: total _head_

(B) In a system with rotating parts, this term refers to the non-rotating structure anchoring the propellers, wind turbines or whatever.

Answer: _stator_

17. Name these works of G.W.F. Hegel, FTPE

(A) Often regarded as his most difficult work, this two-volume work attempts to define the concepts necessary before information can be conveyed between people.

Answer: _Science of Logic_

(B) One of his most famous works, it chronicles Hegel's ideas on the development of history as well as the proper role of government in society.

Answer: _The Philosophy of Right_

(C) In this work, his major work on religion, Hegel attempts to prove that the spread of Christianity throughout history corresponds to his own ideas of the relation between thought to being.

Answer: _Lectures on the Philosophy of Religion_

18. Everyone loves the GULAG; answer the following for the stated number of points.

(5) This prison in Moscow was often the first site of incarceration for prisoners entering the system.

Answer: _Lubyanka_

(10) The railroad cars used to transport prisoners across Russia were commonly called this.

Answer: _Stolypin_ cars

(15) In 1955 the GULAG system was officially disbanded and the remaining camps were grouped under this organization.

Answer: _GUITK_, Chief Administration of Collective Labor Colonies

19. Answer the following about ketones for the stated number of points.

(5) The presence of one of these groups bonded to carbon atoms defines the ketone class.

Answer: _carbonyl_

(5) If the carbonyl group is bonded to one or more hydrogen atoms, it creates one of these.

Answer: _aldehyde_

(10) This ketone is a benzene ring with an external doubly bonded oxygen atom.

Answer: _cyclohexanone_

(10) In this ketone, the carbonyl group acts as a bridge between two benzene rings.

Answer: _benzophenone_ (also accept _diphenylmethanone_)

20. Given the character they played on "Good Times", name the actor, FTPE.
points each.

(A) Penny Woods

Answer: Janet _Jackson_

(B) Michael Evans

Answer: Ralph _Carter_

(C) Nathan Bookman

Answer: Johnny _Brown_

21. Answer the following about Spanish conquistadors, FTPE.

(A) In 1526 this man set out to conquer the Yucatan peninsula, the location of the only effective Indian resistance in Mexico.

Answer: Francisco de _Montejo_

(B) He conquered the Pacific coast regions of Mexico between 1530 and 1536.

Answer: Nuno de _Guzman_

(C) A 1541 rebellion by the Pacific peoples conquered by Guzman was given this name.

Answer: the _Mixon_ war

22. Name these photographers, 15 points each

(A) Known for his photographs of the American Northwest, his pictures of Wyoming were instrumental in the establishment of Yellowstone National Park.

Answer: William Henry _Jackson_

(B) His works formed the first one-man photography show at the Museum of Modern Art, but he is probably better known for his photographs of the rural south, such as those published in _Let us Now Praise Famous Men_.

Answer: Walker _Evans_

23. Identify these Social Democrats, 15 each.

(A) Premier of Sweden from 1932 to 1946, this man restored Sweden's economy, enacted social welfare legislation, and maintained neutrality during WWII.

Answer: Per _Albin_ Hansson

(B) This Social Democrat organized and headed Sweden's government before that party lost power in 1976, and again after the return victory in 1982.

Answer: Olof _Palme_

24. Author from works, 30-20-10
(30) "The Romance of the Forest"

(20) "The Italian"

(10) "The Mysteries of Udolpho"

Answer: Anne _Radcliffe_

25. Identify the following things associated with Thor for the stated number of points.

(5) Name Thor's hammer.

Answer: _Mjolnir_

(10) She was Thor's mother and sent him to Vingnir and Hlora when she couldn't handle his temper tantrums.

Answer: _Frigga_

(15) Name either of the goats that pulled Thor's chariot.

Answer: _Tanngniostir_ or _Tanngrisnir_