

Delaware Winter Invitational, 2010

"This packet is brought to you by the letter A" themed academic packet by Mark Pellegrini and Nick Lacock

Tossups

1) **One novel by author is about Sam's coup d'etat, as seen through the eyes of Chris, Beatrice, and Ikem. In another novel by this author, Odili's fiance cheats on him with Odili's former teacher, the minister of culture. This author wrote a sequel to his most famous novel that opens with a bribery trial and then flashes back to Okonkwo's time in Nigeria. Author of *A Man of the People*, *Anthills of the Savannah*, and *No Longer at Ease*, this is for ten points what writer whose best known work is *Things Fall Apart*?**

ANSWER: Chinua Achebe

2) **The Marxian Pall and The Bill Collector Cometh are some chapters in this work which coined the term "conventional wisdom."** Oligopolies are discussed in the chapter on inflation, and the author suggests that unemployment is preferable to over-production. Written by John Kenneth Galbraith, this is for ten point what 1958 book whose title suggests a society that has eliminated poverty?

ANSWER: The Affluent Society

3) **The magnitude of this effect has been measured as  $8.7 \times 10^{-10}$  ["eight point seven times ten to the minus ten"] meters per second squared. A number of explanations have been offered to explain it, including uneven radiation, measurement error, or gas leakage, while others involve dark matter or modifying relativity. Because no further data is being transmitted from this effect's namesake objects, the European Space Agency is considering a dedicated mission to study it. Objects accelerating out of the solar system decelerate relative to the sun as a result of, for ten points, what unexplained effect named for the two probes that first encountered it?**

ANSWER: Pioneer Anomaly

4) **After his father Cleinias was killed in battle, he was raised in the house of Pericles. He put his helmsman, Antiochus, in charge of the Athenian fleet that was routed by Lysander at the battle of Notium. After that, he went into self-imposed exile on Thrace, and later spent time advising the Persian satrap Tissaphernes ["Tiss-a-fer-nees"], and King Agis II of Sparta. He was recalled to Athens, where he advocated his most disastrous idea, and then went back into exile. A frequent turn-coat, this is for ten points what Athenian who led the Sicilian expedition?**

ANSWER: Alcibiades

5) **The origin of its name is disputed, but may mean "Stone sentinel" or "Comes from the other side." It is bounded on the north by the Valley of the Cows and on the east by Horcones Valley. In 1897, Mathias Zurbriggen became the first person to scale this mountain, which is in Mendoza province. Found in the Andes Mountains, this is for ten points what highest mountain in the Americas?**

ANSWER: Cerro Aconcagua

6) **In one short story, this author wrote about Estrelle discussing the titular scenarios with her friends. This author wrote about a military coup in the Republic of Gilead in a novel that won the Governor General's Award and the Arthur C. Clarke award. This author of *Rape Fantasies* and *The Handmaid's Tale* is, for ten points, what Canadian author who also wrote *Negotiating with the Dead*, *Surfacing*, and *Alias Grace*?**

ANSWER: Margaret Atwood

7) **Mary of Teck was told this event was caused by mind control techniques learned in a Chinese brothel. Stanley Baldwin brought this event to a head when he threatened to have his government resign en-masse. On December 10, the King, witnessed by his brothers Albert, Henry, and George, signed the titular order. He did it so that he could marry the twice-divorced American, Wallis Simpson. George VI became king as a result of, for ten points, what tumultuous 1936 event in which Edward VIII ["the eighth"] quit?**

ANSWER: Abdication crisis of Edward VIII

8) **It was made in response to charges brought by Anytus, Lycon, and Meletus. Meletus is the only one of the three to interrupt this speech, which was made to rebut charges of busybody-ism, inventing new Gods, and corrupting the youth. Both Xenophon and Plato published accounts of this speech, which was unsuccessful, as the speaker was ultimately sentenced to death by hemlock. This is, for ten points, what Socratic dialogue?**

ANSWER: The Apology of Socrates

9) **Marcellin Berthelot first synthesized this chemical by passing hydrocarbon gases over a heated tube. This flammable gas is produced by either partial combustion or as a byproduct of hydrocarbon cracking. Until the 1950s, the preferred method of manufacturing this substance was reacting calcium carbide with water. The simplest alkyne, this is for ten points what chemical, also known as ethyne, which is used in welding torches?**

ANSWER: Acetylene (Accept ethyne before mentioned in the question)

10) **Andy Hildebrand developed this technology as a way of interpreting sonic readings of the earth, and founded Antares to commercialize it. Cher made this technology popular after using it in *Believe*, although she claimed it was only a vocoder. Tim McGraw and Rascal Flatts admit using it, and in 2009 Jay-Z released a single about the death of this technology. For ten points, this is what sound effect once used to correct the pitch of bad singers, which has been turned into an instrument by musicians like T-Pain?**

ANSWER: Autotune (Accept: pitch correction before "pitch" is mentioned in the question)

11) **In 1942, Gordon Parks created a "Washington DC" parody of this work featuring a black janitor. A porch is visible in the background on the left, with several plants on it. In the background on the right, a red barn is visible, above the shoulder of a figure standing in the foreground. Between the barn and the porch is the titular architectural feature, the second story of a house, below which two figures stand. One figure, inspired by the artist's dentist, holds a pitchfork in his right hand. This is, for ten points, what painting by Grant Wood?**

ANSWER: American Gothic

12) **The narrator arrives in Black Hawk on the same train as the Shimerdas, and grows up next to their farm. There, he becomes friends with the titular character, who moved to town to work for the Harling family. Jim Burden returns to Black Hawk twenty years later to find the titular character married with ten children. The sequel to *The Song of the Lark* and *O Pioneers!*, the final novel of the prairie trilogy, this is for ten points what novel by Willa Cather?**

ANSWER: My Ántonia

13) **The nodes of Ranvier ["Ron-vee-ay"] are gaps in the layer surrounding these structures. The layer of insulation is generated by Schwann cells. Action potentials propagate down these structures, to this structure's terminal and across the synaptic gap. The myelin sheath protecting these structures can break down, as happens in people with multiple sclerosis. These are, for ten points, what structures found on nerve cells, sometimes called nerve fibers?**

ANSWER: Axon (accept Nerve fiber until mentioned in question)

14) **He was the public relations minister for the Free Officers movement, and afterwards become head of his country, expelled the Soviet advisers. He was assassinated during a military parade by army officers, including Khalid Islambouli. They were angry with him for traveling to his country's eastern neighbor and negotiating the Camp David Accords with them. This was, for ten points, what 3rd President of Egypt?**

ANSWER: Anwar al-Sadat

15) **The titular figure of this work is the daughter of Amonasro ["Ah-mahn-ah-sro"], who competes with Amneris for the love of a victorious general. Between acts one and two, Amonasro leads an invasion and is defeated by that general, Radames. Radames is given his choice of prisoners, and picks the titular figure, who he intends to marry. In the end though, he is sentenced to be buried alive, and the titular figure secretly buries herself in with him. Set in Ancient Egypt, this is for ten point what Verdi opera?**

ANSWER: Aida

16) **Apollo borrowed this item and used it to rout a Greek army. Hephaestus fashioned it for Zeus from the skin of Amaltheia, and carved Medusa's head onto the front of it, so anyone who looked at it would be turned into stone. Zeus first used it against the Titans, and later used it to protect another God from an attack by the giant Pallas. Zeus later gave it away to that other God, and she used it as a breastplate. This is, for ten points, what legendary shield of Athena?**

ANSWER: Aegis

17) **One recent novel by this author tells the story of Alex Cold, whose grandmother takes him on a trip to the Amazon Rainforest. That novel, *City of the Beasts*, followed up two other novels by this author, centering on Eliza Sommers and her grand-daughter Aurora. But this author of *Daughter of Fortune* and *Portrait in Sepia* is best known for her 1982 autobiographical novel about the Trueba family, which this author wrote in exile after her first cousin was overthrown by Augusto Pinochet. This is, for ten points, what Chilean author of *The House of the Spirits*?**

ANSWER: Isabel Allende

18) **It can be used to show that every vector space has a basis, and is equivalent to Tychonoff's theorem, Zorn's lemma, and the well-ordering theorem.** It states that for a non-empty set with mutually exclusive members, there exists a subset that contains one element from each member. Paul Cohen proved that, along with the continuum hypothesis, it could not be proven using set theory. This is for ten points what axiom often combined with Zermelo-Fraenkel set theory?

ANSWER: **Axiom of choice** (Accept: **Tychonoff's theorem** or **Zorn's lemma** or **Well-ordering theorem** before mentioned in the question)

19) **He is worshiped during a Dhikr ["Dee-Keer"] ceremony, and his worshipers use a Misbaha ["Mish-buh-hah"] to count prayers to him. This God punished the people of Aad ["Ahd"] for idolatry with a drought, and then wiped them out with a firestorm, although one of his prophets, Hud, escaped. The Arrogant, The Exalter, and The Watchful are some of the one hundred names given to him in the Koran. Worshiped by Shiites and Sunnis, this is, for ten points, what God of Islam?**

ANSWER: **Allah** (prompt on **God** or the **God of Abraham**)

20) **The seventh required that colonels and lower-ranking officers be appointed by state legislatures. The fourth established freedom of movement, and defined the rules for extradition. The fifth allocated one vote to each member, whose delegations could be two to seven members in size. The tenth defined a Committee of the States which would govern when Congress was not in session. The first stated that the country's name would be the "United States of America." This describes, for ten points, what first constitution of the United States of America?**

ANSWER: **Articles of Confederation**

21) **Robert Boyle discussed this concept in a 1665 treatise, and in 1702 Guillaume Amontons made the first attempt to calculate it. It can be computed using the ideal gas law, and it is in this state that entropy is at its absolute minimum. Materials in this state exhibit quantum effects on a macroscopic scale, as can be seen in Bose-Einstein condensates and in superfluids. Occurring at -273.15 degrees Celsius, this is for ten points what coldest possible temperature?**

ANSWER: **Absolute zero**

22) **This author wrote a novel *a*, which was a word-for-word transcript of conversations between the author and Ondine. He dyed his hair grey, and was obsessed with cats, which is why many of them appear in his works. His films include *Chelsea Girls*, *Taylor Mead's Ass*, and *Sleep*, which is possibly the longest movie ever made. This is, for ten points, what American pop-artist whose best-known works are his *Portrait of Mao Zedong* and *Campbell's Soup Cans*?**

ANSWER: Andy **Warhol**

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Bonuses

1) Its members included William Glackens, Robert Henri, and George Luks. For ten points each [10] What was this early 20th century art movement that depicted gritty urban settings?

ANSWER: **Ashcan** School

[10] Several members of the Ashcan school teamed up with Arthur B. Davies, Ernest Lawson, and Maurice Prendergast to form what group that exhibited at the Macbeth Gallery?

ANSWER: **The Eight**

[10] Many members of the Ashcan school were taught by what student of Thomas Eakins, whose most famous painting is *The Ironworkers' Noontime*?

ANSWER: Thomas **Anshutz**

2) Name some things from cytogenetics for ten points each

[10] Gregor Mendel coined this term for a locus containing one genotype.

ANSWER: **Alleles**

[10] Chromosomes are divided into two classifications, sex chromosomes and what other type?

ANSWER: **Autosomes**

[10] A common cause of genetic birth defects, this is the term for the inheritance of one or more extra chromosomes during cell division.

ANSWER: **Aneuploidy** (prompt on polyploidy)

3) George Moore financed the construction of this theatre, which opened in 1904, burned down in 1951, and re-opened in 1966. For ten points each

[10] What is this National Theatre of Ireland?

ANSWER: **Abbey Theatre**

[10] The Abbey Theatre was co-founded by William Butler Yeats and this female dramatist who wrote the plays *The Rising of the Moon* and *The Doctor in Spite of Himself*.

ANSWER: Lady **Gregory** (Accept: Isabella Augusta **Persse**)

[10] The Abbey theatre got off to a rocky start when their production of *The Playboy of the Western World* started a riot. Who wrote *The Playboy of the Western World*?

ANSWER: John Millington **Synge**

4) "There must be some way out of here, said the joker to the thief. There's too much confusion, I can't get no relief." For ten points each

[10] These are the lyrics to what song?

ANSWER: **All Along the Watchtower**

[10] *All Along the Watchtower* was a 1968 single by what musician whose other works include *Mr. Tambourine Man* and *Like a Rolling Stone*?

ANSWER: Bob **Dylan**

[10] Like a Rolling Stone is the first track on what 1965 Dylan album, whose other tracks are *Tombstone Blues*, *From a Buick 6*, and *Ballad of the Thin Man*?

ANSWER: **Highway 61 Revisited**

5) Daniel Malan introduced this policy in his 1948 election platform, which was implemented by the Group Areas Act and the Population Registration Act. For ten points each

[10] What was this policy of racial discrimination in South Africa?

ANSWER: **Apartheid**

[10] Apartheid means "separation" in what Germanic language?

ANSWER: **Afrikaans**

[10] After the collapse of Apartheid in South Africa, in 1994 this Nelson Mandela-led party won huge majorities in the South African assembly.

ANSWER: **African National Congress**

6) Landau implores the titular character not to divorce her husband, although she is repulsed by his ears. Eventually, she kills herself by jumping under a train. For ten points each

[10] This describes what 1878 novel?

ANSWER: **Anna Karenina**

[10] Who wrote Anna Karenina?

ANSWER: Leo **Tolstoy**

[10] Anna's husband is this government official who is twenty years older than she is.

ANSWER: **Alexei Karenin** (Accept either)

7) They were passed in mid-1798 as a way to stifle criticism of the Adams administration. For the stated number of points

[10] For ten, what were these four widely reviled acts targeted at non-citizens and those criticizing the government?

ANSWER: **Alien and Sedition Acts**

[10] For ten, included in the Alien and Sedition acts was this law, which increased the residence time required to get citizenship from 5 to 14 years.

ANSWER: **Naturalization Act**

[5,5] In response to the Alien and Sedition acts, two states passed resolutions essentially nullifying them. Name those states for five points each.

ANSWER: **Kentucky** and **Virginia**

8) Name some organic compounds for ten points each.

[10] This functional group consists of an acyl group with a nitrogen attached as one of its R-groups. This is also the fundamental unit of many polymer fabrics such as Nylon.

ANSWER: **Amide**

[10] Hydrocarbon chains containing one or more carbon-carbon double bonds are grouped under this IUPAC name.

ANSWER: **Alkene** (Do not accept alkyne or alkane)

[10] Aromatic hydrocarbons such as benzene are sometimes referred as these.

ANSWER: **Arenes** or **Aryl** hydrocarbons

9) It was completed in 1390, and its name literally means "Red Fortress." For ten points each

[10] What is this castle built by Yusif I and completed by Muhammed V?

ANSWER: **Alhambra**

[10] The Alhambra can be found in Granada in what Spanish autonomous province?

ANSWER: **Andalusia**

[10] The Alhambra contains two main chambers, one named for a flower and the other named for a feline. Name either of them.

ANSWER: **Court** of the **Lions** or **Court** of the **Myrtles**

10) The titular character is a crippled shepherd boy who is visited by the Magi. For ten points each

[10] This is the plot of what one-act opera, the first opera ever written for television?

ANSWER: **Amahl and the Night Visitors**

[10] Who wrote Amahl and the Night Visitors?

ANSWER: Gian Carlo **Menotti**

[10] In this first Menotti opera, the titular figure breaks a vase over her husband's head. After her lover is sent to prison for it, the titular figure does the title action.

ANSWER: **Amelia Goes to the Ball** (Accept: **Amelia al Ballo**)

11) Prisoners in the titular location spend all their lives staring at shadows on a wall, only to one day be freed and allowed to leave the titular location. For ten points each

[10] What is this metaphor found in Ancient Greek philosophical writing?

ANSWER: Allegory of the **Cave** (Accept equivalents)

[10] The *Allegory of the Cave* can be found in what Platonic work whose chapters include *Genesis and Order of the Polis*, *Embodiment of the Idea*, and *Decline of the Polis*?

ANSWER: **The Republic**

[10] In *The Republic*, the Allegory of the Cave is described to what older brother of Plato?

ANSWER: **Glaucon**

12) Name some works by Wallace Stevens for ten points each

[10] Stevens won the National Book Award for Poetry for this 1950 collection of poetry.

ANSWER: The **Auroras of Autumn**

[10] This Stevens poem concerns a gray and bare object in Tennessee.

ANSWER: **Anecdote of the Jar**

[10] The titular figure is summoned to a wake to provide refreshments in this Stevens poem.

ANSWER: The **Emperor of Ice-Cream**

13) Name some people from the pre-war government of Iraq for ten points each

[10] Following the invasion, this former foreign minister and deputy prime minister of Iraq was arrested and tried for war crimes. He is currently serving 15 years for his role in the execution of merchants.

ANSWER: Tariq **Aziz**

[10] This Iraqi information minister earned a number of colorful nicknames for his ludicrous televised claims.

ANSWER: Mohammed Saeed **al-Sahhaf** (Accept: **Baghdad Bob**)

[10] This cousin of Saddam Hussein was executed in January for using poisonous gas on the Kurds.

ANSWER: Ali Hassan **al-Majid** (Accept: **Chemical Ali**)

14) He worked on the Manhattan Project, and near the end of his life, this physicist and his son Walter discovered what killed off all the dinosaurs. For ten points each

[10] Who was this physicist?

ANSWER: Luis Walter **Alvarez**

[10] In 1937, Alvarez was the first person to observe what kind of nuclear decay predicted by Gian-Carlo Wick, in which a nucleus emits a neutron and a neutrino.

ANSWER: **Electron capture** (Accept: **K-electron capture** or **L-electron capture** or **inverse beta decay**; do not accept or prompt on beta decay)

[10] Luis and Walter Alvarez investigated this geologic discontinuity, a band of iridium present in rocks all over the world. They eventually realized it was caused by a meteorite.

ANSWER: **K-T Boundary** (Accept: **K-Pg boundary**)

15) Its members include Odin, Thor, Tyr, and Frigg. For ten points each

[10] What is this principal group of Gods of the Norse pantheon?

ANSWER: **Aesir**

[10] The Aesir fought a war with what other group of Norse gods, whose members include Njord and Freyja.

ANSWER: **Vanir**

[10] At the end of the war, the Aesir and Vanir exchanged hostages. This wisest Vanir god was sent as a hostage to the Aesir, but was murdered by Fjalar and Galar.

ANSWER: **Kvasir**

16) Some events during his short-lived administration were his reply to Samantha Smith's letter and the shutdown of Korean Air Flight KAL-007. For ten points each

[10] Who was this Soviet leader who succeeded Leonid Brezhnev?

ANSWER: Yuri **Andropov**

[10] Andropov was instrumental in crushing what 1956 revolution in central Europe?

ANSWER: **Hungarian Revolution** of 1956

[10] Andropov was succeeded by what Chairman of the Supreme Soviet?

ANSWER: Konstantin **Chernenko**

17) It emphasized sleek forms and geometric shapes like chevrons, zig-zags, and diamonds. For ten points each

[10] What was this early 20th century architectural movement, examples of which include the American Radiator and Daily News buildings?

ANSWER: **Art Deco**

[10] This New York skyscraper, which was the world's tallest building for more than 40 years, is probably the best-known example of Art Deco.

ANSWER: **Empire State** Building

[10] This art deco-style building, located in Manhattan at 2nd Street and Lexington, was the tallest in the world for 11 months before the completion of the Empire State Building.

ANSWER: **Chrysler** Building

18) Answer these questions about an important type of reaction in organic chemistry for ten



points each

[10] This type of elimination has a second-order rate law.

ANSWER: **E2**

[10] The leaving group and reacting hydrogen must have this relative configuration, because the only other possible configuration involves steric clash.

ANSWER: **Antiperiplanar** (prompt on "anti")

[10] Typical bases used in this reaction are the conjugate bases of alcohols. Give their general name.

ANSWER: **Alkoxide**

19) He attempted to reconcile Aristotelian thought with Christian philosophy. For ten points each

[10] Who was this 13th century doctor of the church?

ANSWER: **Albertus Magnus** (Accept: **Saint Albert** or **Albert the Great**)

[10] Albert's magnum opus is this 1270 religious discourse in two volumes.

ANSWER: **Summa Theologiae** (Do not accept Summa Theologica)

[10] This other church doctor, a pupil of Albert's, later went on to write his own religious discourse, *Summa Theologica*

ANSWER: Thomas **Aquinas**

21) His administration saw the passage of the Pendleton Act, the Chinese Exclusion Act, and the International Meridian Conference. For ten points each

[10] Who was Republican Collector of the Port of New York who became the 21st President?

ANSWER: Chester A. **Arthur**

[10] Arthur was a member of what Republican faction, opposed by the half-breeds, that favored machine politics and opposed meritorious civil service.

ANSWER: **Stalwarts**

[10] Arthur became president after this man assassinated his predecessor, James Garfield.

ANSWER: Charles **Guiteau**

22) It includes poems such as *How Doth the Little Crocodile* and *Twinkle Twinkle Little Bat*. For ten points each

[10] What is this 1865 novel about a titular girl who encounters characters such as the Mock Turtle and Bill the Lizard?

ANSWER: **Alice in Wonderland** or **Alice's Adventures in Wonderland**

[10] Lewis Carroll wrote this sequel to *Alice in Wonderland* which includes scenes such as *Tweedle Dee and Tweedle Dum* and *The Walrus and the Carpenter*.

ANSWER: **Through the Looking Glass**

[10] This poem from *Through the Looking Glass* is about the adventures of a beamish boy who slays the titular beast with his vorpal sword.

ANSWER: **Jabberwocky**