

Packet of Michigan, Michigan State Students

Packet 13

Packet by: Harris Bunker, Dillon Edwards, Austin Foos, Lucas Weingartz, Trent Koch, Sarah Wrase, Dominic Aluia, Alan Hettinger, Jasmine Czajka, Briana Magin, Tony Incorvati, Erik Bubolz, Siddhant Dogra, Rahul Keyal, Jonathan Suh, Kevin Yu and Vishal Puppala with assistance from many others

Tossups

1. **When this term is applied to current, that type of current can be calculated by taking the change over time of the induction D. This can be represented by partial D partial t divided by 4 pi. When a race car has traveled one lap (*) around the track, this quantity is equal to zero. The angular version of this quantity is 90 degrees if a person turns one quarter of a circle. This quantity also equals the differences in the squares of velocities divided by twice the acceleration. This quantity is the integral of velocity. For 10 points, identify this quantity that is the change in an object's position.**

ANSWER: **Displacement** (prompt on "distance traveled")

2. **One thinker associated with this historical period praised a Platonic philosopher king in his *Institutio principis christiani* and criticized Luther in his *Hyperaspistes*. Jacob Burckhardt is considered one of the founders of historical study of this period, during which the author of (*) *The Praise of Folly* wrote several works which emphasized education. Refugees fleeing from Constantinople provided Greek texts and learning that greatly fueled the intellectual part of this movement. Many scholars mark Charles V's sack of Rome in 1527 as the end of this period. For 10 points, name this historical era in which humanism was popular that originated in Italy and saw a revitalization in European art and learning.**

ANSWER: The **Renaissance** (accept Northern Renaissance until "Rome" is read)

3. **One character created by this author smiles at a character who just burned down a hotel and beat Sydney to death. That character later wears a parasol of hide and human bones. In another novel by this man, the protagonist, who agrees to let the thirteen-year-old Jimmy Blevins travel with him, has spent most of his life on his grandfather's ranch in San Angelo. In a 2006 novel by this author, a father (*) and son give food to the nihilistic Ely and survive a dystopian future. This author, who created Judge Holden, wrote *All the Pretty Horses*. For 10 points, name this American author who wrote *Blood Meridian* and *The Road*.**

ANSWER: Cormac **McCarthy**

4. **A man with a red tunic and a sword is one the only figure in this painting with boots. One figure in this painting, who is holding a branch in her mouth, is grabbed at by a blue skinned figure. The center of this painting, which was at one point at the Villa di Castello, depicts a woman in a red garment who is standing underneath some trees that produce (*) oranges and a putto. The three women who hold hands in dance on the left side of this painting, which also depicts Zephyrus on its right side, are presumably the Graces. For 10 points, identify this tempera panel by Sandro Botticelli which depicts several mythological figures around Venus.**

ANSWER: *La* **Primavera** (accept The Allegory of Spring)

5. God is compared to a light emanating from the inside of a lamp in one section of this work, which also describes persecuted religious youths hiding in a cave. This work describes men who seek out a bright yellow cow to slaughter to determine who killed their peer. A portion of this work was composed after the Battle of the Trench. (*) This work, whose composition began during the Night of Power, contains the Throne Verse. Verses called *ayat* make up sections in this work called *surahs*, all but one of which begin with the Bismillah. In the Cave of Hira, this work was revealed to the prophet Muhammad. For 10 points, identify this holy text of Islam.

ANSWER: Quran

6. During this event, Highway 1806 was blocked, and many American flags were hoisted upside down. Ajamu Barraka spray painted “decolonize now” on a bulldozer as part of this event. After crawling through a fence, Marcus Frejo was apprehended for trespassing which led to one company bringing dogs to protect (*) construction workers. Some people ran from this event to DC for the “Respect our Water” campaign. A Sioux Tribe sued the US Army Corps of Engineers for their involvement in this event. For 10 points, name this event where protesters opposed the building of a pipeline that would’ve gone over the Standing Rock Reservation.

ANSWER: Dakota Access Pipeline Protests (prompt on “#NoDAPL” or incomplete answers such as “Pipeline Protests”)

7. Three times this quantity is divided by molar mass to give a crystal’s specific heat in the Dulong-Petit Law. One experiment obtained this quantity by measuring the speed of sound in Argon at the triple point temperature of water. It is defined as the product of Avogadro’s number and the Boltzmann constant. Perfectly elastic collisions and (*) a lack of intermolecular forces describe a system related to this constant equal to 8.314 Joules per mole Kelvin. For 10 points, what constant, symbolized R, is equal to PV over nT?

ANSWER: Ideal Gas Constant (prompt on R before mentioned, accept universal gas constant)

8. This man commissioned the first expedition from Europe to locate the source of the Nile, which was unable to explore deeper than the Sudd swamp. This leader tried to have his mother, who made Lucius Annaeus Seneca this man’s mentor, killed by sinking a ship she was on, but she was able to swim to safety, so this man had her assassinated. This man had an affair with and later married (*) Poppaea, the wife of future Emperor Otho. This son of Agrippina the Younger faced backlash over the building of the Domus Aurea, or the Golden House, on the site of a great fire in 64 AD. For 10 points, name this 5th Roman Emperor who, supposedly, fiddled while Rome burned.

ANSWER: Nero

9. This athlete, who didn’t know that Gronkowski is on the cover of Madden in the Lil Dicky comedy video “Mean Guys”, mentions “the party boat” in that video. In the 2016 offseason, this defensive player earned a 70-million-dollar contract just months after he was “exclusively” franchise tagged by his team. This 2011 NFL Defensive Rookie (*) of the Year infamously farted on Season 22 of *Dancing with the Stars*. In his most recent Super Bowl appearance, this player forced two turnovers and got two sacks on Cam Newton. For 10 points, name this Super Bowl MVP and Denver Broncos linebacker who is notable for this strange glasses.

ANSWER: Vonnie “Von” Miller Jr.

10. This poet provides answers like "worker sold to the machine" to the question "who are you that draws your veil across the stars?" in a poem ending "And make America again!" Another poem by this author describes entities "older than the flow of human blood in human veins." In that poem, he claims to have "heard the singing of the Mississippi" and "raised the pyramids above" the Nile before stating (*) "My soul has grown deep like the rivers." He described an object that "sags like a heavy load" in a poem that begins by asking "what happens to a dream deferred?" For 10 points, name African-American author of "The Negro Speaks of Rivers" and "Harlem."

ANSWER: Langston Hughes

11. In one work, this thinker defines the title concept as a conscious representation of an object. In *On the Basis of Reality*, Arthur Schopenhauer criticized a concept created by this thinker. This philosopher popularized the terms (*) noumena and phenomena. In another notable work, this philosopher said that human actions must follow from unconditional principles. This philosopher was said to be awakened from his "dogmatic slumber" by Hume. In *Groundwork for The Metaphysics of Morals*, this philosopher explained his categorical imperative. For 10 points, identify this Prussian philosopher who wrote *The Critique of Pure Reason*.

ANSWER: Immanuel Kant

12. This mathematical operation can be done at no point in the Takagi Curve. This operation can also not legally be done on a function that was originally defined as the sum of Fourier Series, the Weierstrass [pr. "Way er strass"] function. The uniform limit of a function that has a property related to this operation does *not* imply the function has this property that does not hold at (*) cusps or corners. The "total" version of this operation can be represented as the sum of partial versions of this operation times an exogeneous infinitesimal term. This operation can be supplemented by the chain and power rules. When this operation is done on x^2 , the result is $2x$. For 10 points, identify this operation that gives the slope of the tangent line.

ANSWER: Differentiation (accept word forms like taking a derivative, differentiable, partial derivative)

13. Levi Lincoln helped cause this court case on behalf of a man that later rebuked the final decision by saying "you seem to consider judges the ultimate arbiters of all constitutional questions". The plaintiff in this case sought to petition one body during this case for a writ of mandamus but such an action was declared unconstitutional. This case started after Secretary of State (*) James Madison refused to put forth a commission despite it being part of John Adams "Midnight Judges" program. John Marshall declared parts of the Judiciary act of 1789 unconstitutional in this court case. For 10 points, name this 1803 Supreme court Case that established the right of Judicial Review.

ANSWER: Marbury v. Madison (accept in either order)

14. A work of this number contains a sixty-five-measure cadenza for solo harpsichord and was the first time that its composer included a transverse flute in a composition. A symphony of this number in D minor features a semi-lilting march in the first and final movements, had a lengthy standing ovation after it was premiered, and was written by (*) Shostakovich. The first movement of another symphony of this number, which is in C minor, includes a long descending oboe solo before the recapitulation which is preceded by the opening short-short-short-long motif throughout the orchestra. For 10 points, name this number, the symphony of which by Beethoven apocryphally features Fate knocking at the door.

ANSWER: five

15. The central idea of this poem was earlier expressed in its author and his wife's book of eclectic study known as *A Vision*. The speaker of this poem claims that "the ceremony of innocence is drowned" after a "tide" is freed. An image of "Spiritus Mundi" causes the speaker of this poem to think of a man's head on a (*) lion's body. A "falcon" is unable to hear its falconer in the beginning of this poem. In the last stanza of this poem, the speaker asks "what rough beast" "slouches towards Bethlehem to be born?" "Things fall apart" in—for 10 points—what William Butler Yeats [pr. "Yates"] poem titled after Jesus' return to Earth?

ANSWER: "The Second Coming"

16. One island in this body of water looks like a small boat due to natural rock formations, which led to it being named the Phantom Ship. Another island in this lake is a 230-meter-tall cinder cone with a peak called the Witches Cauldron, and is named Wizard Island. The Old Man of the Lake (*), which is a thirty-foot-tall tree trunk, has been floating in this body of water for more than one hundred years. This caldera lake was formed by the collapse of Mount Mazama. For 10 points, name this lake, the deepest in the United States, and the namesake of a national park in central Oregon.

ANSWER: Crater Lake

17. Chylomicrons transport lipids from this organ into lacteals. In one section of it, pH is regulated by the secretion of bicarbonate from Brunner's glands. Cholera infection causes the effusion of sodium and chloride ions into the lumen of this organ where Vitamin B12 is (*) absorbed. The pancreas transports bile here to emulsify chyme. This organ contains the duodenum and jejunum and is lined with hair-like villi to increase nutrient absorption. Food leaves the stomach to enter—for 10 points—what longer of the two intestines?

ANSWER: Small Intestine (prompt on Intestines)

18. One ruler of this dynasty won a power struggle against princess Taiping who later committed suicide. Khitan chieftains were controlled by this dynasty but the Khitans rebelled under Li Jinzhong. Secret police were used by the founder of the so-called Zhou dynasty, (*) Empress Wu, who interrupted this dynasty. This dynasty was founded by a general of the previous dynasty who maintained the taxation and land distribution systems. For most of its history, this dynasty's capital was modern day Xi-an. The An Lushan rebellion occurred during—for 10 points—what Gaozu-founded Chinese dynasty that followed the Sui and preceded the Song?

ANSWER: Tang Dynasty (or T'ang Dynasty)

19. Per one myth, the winged horse Pegasus caused these figures to be born after touching his hooves on the ground where, then, springs sprung up. One aunt of these figures was Melete, who represented practice. A member of this group is often depicted in art with a sword or a mask and may be a parent of the sirens. These figures are the children of (*) Zeus and the Titaness of memory, Mnemosyne. These figures reside on Mount Helicon and Virgil invokes Calliope, one of these figures, in his *Aeneid*. For 10 points, identify these nine personifications of the arts.

ANSWER: The Muses (or Mousai)

20. The first stanza of this poem which is mostly in English, says "Bin gar keine Russin" and the speaker tells of going out into the "sunlight" to the Hofgarten. The speaker of this poem says "Twit twit twitn /Jug jug jug jug jug jug" after mentioning a people who wash their feet in soda water. "Madame Sosostriis" speaks of a drowned Phoenician with (*) "pearls" for eyes in this poem. "Jerusalem", "Athens", "Alexandria" and other cities are mentioned in the fifth section of this poem which is called "What the Thunder Said". That section also says "London Bridge is falling down" and ends this poem with "Shantih" three times. For 10 points, identify this large poem by T.S. Eliot that begins "April is the cruelest month".

ANSWER: "The Waste Land"

21 (TB). In a cartoon titled “disputed empire”, this monarch stops a crowned figure named famine. John Conroy was responsible for the strict upbringing of this future monarch under the Kensington System. The Colt Navy and the Crystal Palace debuted at the Grand Exhibition during this monarch's reign. Because of Salic Law, this monarch was forbidden from ruling Hanover. This monarch, who married Prince Albert, was the longest reigning British Monarch until Elizabeth II passed her. For 10 points, name this British Queen, the Empress of India, whose namesake age harkened to strict standards of personal morality.

ANSWER: Queen Victoria

22 (TB). A character in this musical is threatened with a knife after getting married by a drunk character who then dies. Fifty dollars is won by Will Parker at a fair in Kansas City in this musical where Will sings “All or Nothin” with his future wife. In this musical, Ali Hakim is going to an engagement with Ado Annie who sings “I Can't Say No”. Laurey Williams is invited to a box social by Curly McLain in this musical where Curly sings “Oh What a Beautiful Mornin”. Based on *Green Grow the Lilacs*, what Rodgers and Hammerstein musical is set in the former Indian Territory?

ANSWER: Oklahoma!

Bonuses

1. This villanelle references the speaker's father who is on a "sad height." For 10 points each:

[10] Identify this poem that contains the anaphora "Rage, rage against the dying of the light."

ANSWER: "**Do not go gentle into that good night**"

[10] This Welsh poet of "Do not go gentle into that good night" also wrote "Fern Hill".

ANSWER: Dylan **Thomas**

[10] This Thomas radio play is about the residents of the Welsh fishing town Llareggub. This "play for voices" features the characters of Miss Price and Mr. Edwards.

ANSWER: **Under Milk Wood**

2. Because one of the writers of this set was fantasizing about the warm weather in California, answer the following about California for 10 points each:

[10] The I-8 branches off from this West Coast interstate runs from the Mexican Border to the Canadian border.

This highway will have nine auxiliaries with the completion of a highway near San Diego.

ANSWER: **Interstate 5** (also accept **I-405**, **I-805** or similar auxiliary highways).

[10] This city in LA County hosts an annual Tournament of Roses parade and the annual Rose Bowl football game.

ANSWER: **Pasadena**

[10] This city, home to the new Golden 1 Center, is California's state capital.

ANSWER: **Sacramento**

3. Answer the following about criminal trial process in the US for 10 points each:

[10] In this process, the defendant is called to the court to answer the accusation given in their indictment. This process usually occurs before suppression hearings and the trial.

ANSWER: **arraignment**

[10] This body, according to the 6th amendment of the Constitution, must be made up of one's own peers. In a criminal trial, this body decides whether the defendant is guilty or not guilty.

ANSWER: **jury**

[10] This procedure, which follows the rules of equity and narrows the focus of the lawsuit to matters investigated in this process, is denied if the court rules it is used as a "fishing expedition".

ANSWER: **discovery**

4. Examples in this type of classification include the savanna and the temperate forest. For 10 points each:

[10] Name this classification that refers to a large community of plants and animals that occupy a distinct region generally defined by their climate and dominant vegetation, such as forests or grasslands.

ANSWER: **biome**

[10] This biome contains the arctic, is the coldest in the world, has little vegetation, and has little precipitation.

ANSWER: **Tundra**

[10] This name refers to the total collection of organisms of a region, habitat, or geological region, the sum of which make up the biosphere.

ANSWER: **biota**

5. This entity's most famous illustration sees him point at the viewer saying, "I want you for the U.S. Army". For 10 points each:

[10] Name this visualization of the United States' government, who manifests as the idea of American patriotism.

ANSWER: **Uncle Sam**

[10] The inspiration for Uncle Sam, Samuel Wilson, worked in this industry during both the revolutionary war and War of 1812. This industry was notably affected by the Pure Food and Drug Act.

ANSWER: **Meatpacking Industry**

[10] One depiction of Uncle Sam sees him pointing to a dagger trying to get some congressman involved in this scandal to commit suicide. This scandal, which implicated Oakes Ames and James Brooks, occurred during the Grant Administration.

ANSWER: **Credit Mobilier** scandal

6. Answer the following about the architecture of Frank Lloyd Wright for 10 points each:

[10] 25 Wright designed buildings and houses reside in this Chicago suburb. Several of the buildings are in Wright's famous "Prairie Style"—including the Frank W. Thomas house.

ANSWER: **Oak Park**, Illinois

[10] This Southwest Pennsylvania residence was partially built over a waterfall and the American Institute of Architects named it the best all-time work of American architecture.

ANSWER: **Falling Water** (or the **Kauffman House**)

[10] Wright also designed part of this Japanese Hotel that featured buildings oriented in an H shape. Wright envisioned this building as part of this "Mayan Revival" style because of its pyramid.

ANSWER: **Imperial Hotel**, Tokyo

7. In the story in which this character appears, this character climbs a ladder and bangs his head on a window frame. For 10 points each:

[10] Name this judge who hates his family while terminally ill yet appreciates the butler Gerasim who stands by his side to care for him.

ANSWER: **Ivan Ilyich** (accept either first or last name)

[10] *The Death of Ivan Ilyich* is a novella by this Russian author who also wrote the novella *The Kreutzer Sonata* and created the suicidal Anna Karenina.

ANSWER: Leo **Tolstoy**

[10] Tolstoy also wrote this longer book in which Andrei fights against Napoleon's army. Andrei advises Pierre to avoid marriage in this novel despite his marriage to the pregnant Liza.

ANSWER: **War and Peace** (or **Voyná i mir**)

8. Answer the following about a musical surname for 10 points each:

[10] Identify the surname. One person who had this surname composed *Also Sprach Zarathustra* while another composed the Blue Danube waltz.

ANSWER: **Strauss** (accept **Richard Strauss** or **Johann Strauss**)

[10] In Richard Strauss' *Also Sprach Zarathustra*, this two-syllable word describes the introductory fanfare used in the piece. This part of the piece was famously used in Kubrick's *2001: A Space Odyssey*. A symphony named after this word was composed by Haydn.

ANSWER: **Sunrise** (or **Sonnenaufgang**)

[10] The father of the Strauss', Johann Strauss the Elder, composed a famous waltz of this name. This march was named after an Austrian field marshal and has become a pseudo-national anthem of Austria.

ANSWER: **Radetzky March** (or **Op. 228**)

9. For 10 points each, answer these questions about extinction events.

[10] The most well-known extinction event occurred at the end of the Cretaceous period and is marked by the presence of a rock layer rich in this silver-colored mineral.

ANSWER: **Iridium**

[10] Prior to the Cretaceous extinction, there was a much larger extinction event that occurred at the end of this period. The Mesozoic Era began after this extinction.

ANSWER: **Permian** (accept **Permian extinction**)

[10] Around 488 million years ago, an extinction ended this period during the Phanerozoic Eon. This period was notable for its “explosion” and many trilobite species.

ANSWER: **Cambrian** period

10. In a flood myth from this culture, the period of Pachachama was preceded by a flood. For 10 points each:

[10] Identify this Latin American culture where the mountains grew higher as it rained for months before Inti smiled.

ANSWER: **Inca**

[10] This Native American tribe’s flood myth tells of how the gods punished the Insect People of twelve types with a flood. The Insect People then philandered with the Swallow People. This tribe calls its creators the Diné or the Holy People.

ANSWER: **Navajo**

[10] This Mesopotamian hero sought Utnapishtim who was the survivor of a flood. Utnapishtim told this hero about a plant that would renew youth.

ANSWER: **Gilgamesh** of Uruk

11. This novel allegorizes the three Abrahamic religions in an imaginary valley. For 10 points each:

[10] Identify this novel where the shepherd Qassem leads a military revolt and Riffa is a carpenter’s son.

ANSWER: ***The Children of Gebelawi*** (accept ***The Children of Our Alley***)

[10] The Children of Gebelawi was censored in this populous North African nation where author Naguib Mahfouz was born.

ANSWER: **Egypt**

[10] Mahfouz also wrote this trilogy about the al Jawad family where Mahfouz paints a picture of Egyptian life in the early 20th century where Kamal grows up and becomes an idealistic teacher.

ANSWER: **Cairo Trilogy**

12. Answer the following about kissing in sculpture and painting for 10 points each.

[10] This neoclassical sculptor created the marble *Psyche Revived by Cupid's Kiss* and depicted Napoleon holding a Nike in his hand in his *Napoleon as Mars the Peacemaker*.

ANSWER: Antonio **Canova**

[10] This Austrian painter used gold leaf in his painting in which two lovers embrace and appear to become one known as *The Kiss*.

ANSWER: Gustav **Klimt**

[10] This artist, whose sculpture *The Kiss* was inspired by the *Divine Comedy*’s Paolo and Francesco is opposite his *Ugolino*.

ANSWER: Auguste **Rodin**

13. Answer some questions about Cuba's communist revolution for 10 points each.

[10] The Cuban Revolution was led by Fidel Castro's revolutionary organization, which went by this name. The name of this group comes from the date of an attack led by Castro on the Moncada Barracks in 1953.

ANSWER: 26th of July Movement

[10] Castro's 26th of July Movement sought to overthrow this US-backed dictator of Cuba. This man had participated in the Revolt of the Sergeants in 1933 to overthrow then-dictator Gerardo Machado.

ANSWER: Fulgencio Batista y Zaldívar

[10] Soon after Batista fled on New Year's Day, 1959, Castro's forces marched into this city, the capital of Cuba.

ANSWER: Havana

14. Easter eggs aren't just a fun activity for your kids, they're also hidden references in some Disney/Pixar films. For 10 points each name some of these Easter eggs.

[10] In the Disney feature *Hercules*, the title character tosses off the cloak of the Nemean lion which is this villainous lion from an earlier Disney film.

ANSWER: Scar

[10] In this recent Pixar movie, Sully from *Monster's Inc.* makes a quick cameo on a wood carving in the witch's hut when the main character obtains a spell to change her fate.

ANSWER: Brave

[10] In a recent Disney animated feature, this island-named character takes a swing at other Disney movies stating that; "If you have a dress and an animal sidekick, you're a princess."

ANSWER: Maui

15. These devices are commonly found in electric bell assemblies. For 10 points each:

[10] Identify these devices that have a tightly wound coil and produce a magnetic field as an electromagnet.

ANSWER: solenoid

[10] The term solenoid was invented by Charles Ampère whose "amp" is used to measure this physical quantity that is the rate of charge flow.

ANSWER: Current

[10] These devices only allow current to flow in one direction easier than the other. An LED, which contains this term in its acronym, is a specific type of these semiconductor devices.

ANSWER: Diode

16. The Great Trek preceded the Second Boer [sounds like "burr"] War in this country. For 10 points each:

[10] The Boer War was fought mostly in this modern-day country that practiced Apartheid until the 1990's.

ANSWER: South Africa

[10] This raid, which led to the Second Boer War, was supposed to trigger an uprising of the British Uitlanders who held a diminutive status in the Transvaal Republic.

ANSWER: Jameson Raid

[10] This message was sent from Kaiser Wilhelm II to the leader of the Transvaal Republic. Wilhelm II congratulated the namesake of this telegram for the repulsion of the Jameson Raid.

ANSWER: Kruger Telegram

17. This author of *The Golden Bowl* created a novel where a governess thinks she is haunted by two orphaned children. For 10 points each:

[10] Name this late 19th century American author of *The Turn of the Screw* and *The Ambassadors*.

ANSWER: **Henry James** (prompt on James)

[10] In this James novel, Catherine Sloper lives in a eponymous New York area with her aunt and father. The father tries to prevent Catherine from marrying partially because he lost his own wife.

ANSWER: **Washington Square**

[10] In this perhaps more famous James novel, Isabel Archer falls for Gilbert Osmond. Osmond turns out to not be an ideal husband because he is having an affair with Madame Merle.

ANSWER: **The Portrait of a Lady**

18. Second Timothy 3:8 identifies this man's enemies as Jannes and Jambres. For 10 points each:

[10] Name this man, who was required to lift his staff until the Israelites defeated the Amalekites in battle. He also helped lead the Jews out of Egypt.

ANSWER: **Moses** (accept **Moshe**; accept **Musa**)

[10] Moses was a member of this tribe of Israel, which notably was not assigned specific territory within the Promised Land because of their priestly duties.

ANSWER: **Levi**

[10] This other tribe of Israel also did not formally receive an allotment of land and instead cohabitated with the tribe of Judah.

ANSWER: **Simeon**

19. The symbol X is often used to refer to these elements and their name means 'salt-producing,' for 10 points each:

[10] Name this 17th group on the periodic table whose elements are highly reactive because they need one p electron to form an octet.

ANSWER: **Halogens**

[10] This halogen's name was derived from the Greek word for stench because of its disagreeable smell. This highly soluble element is liquid at room temperature and its acid is used to make flame retardants.

ANSWER: **Bromine** (accept **Br**)

[10] When used in an alkylation reaction, these halogen-containing compounds function as a nucleophile, and the magnesium and halide are removed from oxygen via protonation.

ANSWER: **Grignard reagents**

20. The Estado Novo was overthrown in this European country during the peaceful military coup called the Carnation Revolution. For 10 points each:

[10] Identify this European country that celebrates National Freedom Day on April 25th in cities like Lisbon.

ANSWER: **Portugal**

[10] This politician led the corporatist Estado Novo as Prime Minister until 1968. Under his leadership, Portugal began brutal colonial suppression by the Portuguese Colonial Act which took away rights of Portuguese in India.

ANSWER: Dr. António de Oliveira **Salazar**

[10] This Indian territory was returned to the Indians in 1961. The Dutch tried numerous times to conquer this territory which was named the capital of Portuguese India in 1843.

ANSWER: **Goa**

21 (TB). This novel's character Snowball is likely based off Leon Trotsky. For 10 points each:

[10] Identify that George Orwell novel in which the pig Snowball reduces the Seven Commandments to "four legs good, two legs bad."

ANSWER: **Animal Farm**

[10] This Berkshire boar manipulates others into getting what he wants in *Animal Farm*. This pig gets 9 dogs to chase Snowball off the farm and cuts off the food to the hens which causes some of them to starve.

ANSWER: **Napoleon**

[10] In *Animal Farm*, an animal of this type named Boxer was a strong fighter during the Battle of the Cowshed. Another animal of this type can't read but remembers that animals are not to sleep in beds.

ANSWER: **horse** (prompt on undulate)