

# **Packet of Michigan, Michigan State Students**

## **Packet 15**

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 Puppula with assistance from many others

### Tossups

1. **Development of a part of this organ is unique in that the microsporangia [spor awng ee yuh] arise from single archesporial cells rather than from meristems. The mature product of that same organ is released by dehiscence [de-his-ens]. That sporogenic (\*) organ is attached to a stalk-like part, which transmits water and nutrients. Together these parts may be fused to the petals or floral axis. A flower containing only this reproductive part and not another is called androecious. This organ is composed of the filament and topped by the anther. For 10 points, name this pollen-producing part of a flower.**

ANSWER: **Stamen**

2. **One member of a group of artists whose name include this color painted 1911's *Composition IV* which was supposedly turned on its side to the joy of its artist. This color is the background of an early Renaissance painting that features eleven angels with halos and a woman who is presumably Mary Magdalene touches Jesus' feet. The artist of a painting titled for this color featured in Giotto's (\*) *Lamentation*, took the advice of his rival Sir Joshua Reynolds to paint it and the title figure holds a hat in his right hand. Picasso's paintings, including *The Two Sisters*, are sadder and are parts of his *this color* Period. For 10 points, identify this color that titles a painting of a "boy" by Thomas Gainsborough.**

ANSWER: **Blue**

3. **After a fight breaks out between Ugluk and a member of a rival clan in this novel, a character being held captive can secretly free himself. Later, that character humorously discusses different types of tobacco with his friend. Two characters in this work privately debate the trustworthiness of their guide, but decide to trust him after he returns with mud on his face. Two characters debate over whether woods or caves are more naturally beautiful (\*), until one character notices eyes in the trees. The title of this novel references the immense structures of Orthanc and Barad-dur-- the homes of the primary antagonists. For 10 points, name this the second volume of Tolkien's *Lord of the Rings* Trilogy.**

ANSWER: **The Two Towers**

4. **Wax candles called cerei [see rye] were given as a part of a holiday for this god. This Roman god was the father of the early Latin king Picus. Ruins of a temple to this god remain at Clivus Capitolinus in the Roman forum. This god of seeding had a festival in which slaves were treated like citizens and gambling and (\*) drinking was encouraged. That festival occurred in December of the Julian calendar. This son of Caelus devoured his children such as Veritas except for Jupiter who later scarred this deity away to Latium. For 10 points, identify this Roman god who was the equivalent of the Greek titan Cronus.**

ANSWER: **Saturnus**

5. **Much of the wealth of ancient Athens came from the Laurium mines which produced this commodity. Mohammed supposedly wore a signet ring made of this commodity. The town of Potosi grew to a population of 200,000 thanks to the rich nearby (\*) mines that produced this commodity. A mint there produced the first international currency, the piece of eight, which was made from this commodity. Nevada gained its state nickname after a supply of this commodity called the Comstock Lode was discovered. For 10 points, name this commodity, of which 80% of the world's supply between 1500 and 1800 originated in Mexico and Peru.**

ANSWER: Silver

6. **In the 2016 election in this country, one party replaced its candidate who refused to visit the U.S. three months before the election. A political party in this non-European country used martial law in “The White Terror” and is currently led by (\*) Hung Hsiu-chu. One tweet about this country said that the United States sold billions of dollars of military equipment here, therefore, the tweeter should accept a congratulation from this country's head of state. In late 2016, The DPP President of this country, Tsai Ing-wen, was called by Donald Trump which upset another country's namesake “One” policy. For 10 points, name this Chinese controlled island that used to be called Formosa.**

ANSWER: Taiwan (accept Chinese Taipei or Republic of China or Formosa before mention; do NOT accept “People's Republic of China”)

7. **Stable molecules with this property include Fremy's salt, aze•phenyl•enyl, and other “persistent” forms that cannot react due to high steric hindrance around instances of this property. This property most commonly arises from (\*) homolytic cleavage of covalent bonds. In skeletal notation, a single dot is used to denote this property that can arise from ozone molecules. The “free” variety of this property can be damaging to cells. For 10 points, what property that refers to atoms or molecules with an unpaired valence electron?**

ANSWER: radicals (accept persistent or stable radicals before “persistent”; accept radical center)

8. **Joel Knox Samson journeys to Skully's Landing to find his father in a novel by this man. Another of this man's novels focuses on the murder of the Clutter family. The narrator of one novel by this author of *Other Voices, Other Rooms* meets a country girl turned (\*) New York socialite who must be let into her building by Yunioshi. Although the title locale of that novel by this man is only mentioned a few times, some consider it a symbol of Holly Golightly's hope for a better life. For 10 points, name this childhood friend of Harper Lee, and author of such books as *In Cold Blood* and *Breakfast at Tiffany's*.**

ANSWER: Truman Capote

9. **This thinker once asked God to “give me chastity and continence, but not yet.” This thinker explained that the fall of Rome in 410 AD was not due to Christianity in a work which condemns the worship of traditional Roman deities. This convert from the religion of (\*) Manichaeism was heavily influenced by Neoplatonic thought. A work by this man describes his conversion to Christianity by St. Ambrose, and his repenting for his hedonistic lifestyle. For 10 points, identify this Bishop of Hippo who wrote such works as *City of God* and *Confessions*.**

ANSWER: St. Augustine of Hippo

10. **This composer created a work that was an amalgamation of an oratorio and an opera which contains the “Rakoczi March”. One symphony by this composer has an arpeggio solo viola section and its fourth movement is called “Orgy of the Brigands”. The first movement of a symphony by this composer contains an allegro in sonnet form, and in a later section, this composer made a parody of (\*) “Dies Irae”. This composer of *Harold in Italy* and the *Damnation of Faust* created an *Idee fixe* and a “March to the Scaffold” in his most famous piece. For 10 points, identify this French composer of *Symphony Fantastique*.**

ANSWER: Hector Berlioz

11. **Passes through this mountain range include the Brenner pass, and the Col de L'Iseran which is the highest paved pass through these mountains, which include the Dolomites. A glacier mummy dated to the Copper Age was found in this mountain range named (\*) Ötzi ["ootsi"].** The tallest mountain in this range has a perennial ice dome at its peak which gives it its name meaning "White Mountain". Ski resorts in this mountain range include Courmayeur, Kitzbühel, and St. Anton. For 10 points, name this European mountain range that stretches over countries such as France, Austria, Italy and Switzerland and includes mountains such as the Matterhorn and Mont Blanc.

ANSWER: The Alps (accept Die Alpen or translations)

12. **This ruler created the First League of Armed Neutrality in order to protect neutral trade against the British. This ruler's advisor Nikitai Panin fell out of favor after the failure of the Northern Accord led to his replacement by Ivan Osterman. Alexander Suvorov fought for this ruler in the Russo-Turkish War. This czar annexed Crimea in 1783 and with Frederick the Great, started the First (\*) Partition of Poland.** This ruler, who put down the Pugachev Rebellion. This expansionist ruler, whose reign saw the construction of fake Potemkin villages, became czarina after the death of Peter III. For 10 points name this 18<sup>th</sup> century czarina of Russia.

ANSWER: Catherine the Great (or Catherine II or Yekaterina Alexeevna or Sophie von Anhalt-Zerbst, prompt on "Catherine"]

13. **After the player completes a mission in this game to hit five targets in three minutes, Teba awards the Falcon Bow and twenty bomb arrows, which are then used in a boss battle against Vah Medoh. Clearing the following (\*) dungeon grants Revali's Gale, an ability that lets the player triple jump when fully charged.** The player can get armor upgrades from hiding Great Fairies and can journey to the Lost Woods in a side quest to obtain the Master Sword. The protagonist of this game can paraglide around to areas like the Grand Plateau. For 10 points, what 2017 game for the Nintendo Switch follows protagonist Link in an open-world adventure through a ruined Hyrule?

ANSWER: *The Legend of Zelda: Breath of the Wild*

14. **Abbe's theory of these devices says that images are composed from a composition of spots of different intensities. One radian-measured-quantity related to these devices is lambda divided by twice the numerical aperture and is the (\*) diffraction limit.** A linear approximation associated with these devices is the tube length divided by the focal length, while the total effectiveness of these devices is the product of the linear and angular versions of magnification. Pioneered by Leeuwenhoek—for 10 points, identify these devices—one variety of which, the electron scanning version, allows one to see microbes.

ANSWER: microscope

15. **Azar Nafisi described secretly teaching forbidden literature in Iran in a memoir titled after this novel. Valeria leaves one character in this novel for a Russian taxi driver. That character had earlier been infatuated with a Poe-inspired character named Annabel Leigh, who died of typhus. Headmistress Pratt encourages this novel's title character to lead in (\*) *The Enchanted Hunters*, a play written by a man who drives a red convertible named Clare Quilty.** This novel opens with its protagonist writing a confession of his relationship with Dolores Haze, whom he gives the title nickname. For 10 points, Humbert Humbert's affection for young "nymphets" is central to what 1955 novel by Vladimir Nabokov?

ANSWER: Lolita

16. This person along with James Montgomery led the Combahee River Raid. Later, this person was unable to participate in John Brown's raid on Harper's Ferry because of a fever. This person, most famous for their work with Thomas Garrett said "I suffered enough to believe it" in response to a question on women's suffrage. While doing their most famous actions, this person kept a revolver (\*) that she'd even use against people that threatened to go back to their plantation using the phrase "You go or you die". This woman was given the nickname "Moses" by William Lloyd Garrison. For 10 points, name this woman who helped slaves reach Canada using the Underground railroad.

ANSWER: Harriet Tubman

17. Gassendi criticized this philosopher in his *Objections* by arguing against this thinker's conception of truth and clear perceptions. A variation on the ontological proof of God that relies on this thinker saying he is imperfect was created by this philosopher. This philosopher argued that sensory knowledge is imperfect in his ball of (\*) wax analogy. Mind-body dualism was advocated by this thinker. This thinker defined knowledge in terms of doubt in his *Meditations on First Philosophy*. For 10 points, name this philosopher who said "I think, therefore I am" in his *Discourse on Method*.

ANSWER: René Descartes

18. The larger eigenvalue of the matrix whose first row is 1 comma 1 and whose second row is 1 and 0 is this number. An angle that corresponds to this value is approximately 137.5 degrees. The ratio of the rotation of a plant's spirals approaches this value as the number of leaves increases. This irrational number is equal to 1 plus 1 over itself (\*) and frequently appears in nature. For the Fibonacci sequence, this value is approximately the nth term divided by the n-1 term as n approaches infinity. For 10 points, identify this value that is nicknamed after a shiny metal.

ANSWER: phi (accept golden ratio, 1 plus or square root of 5 all over 2, also accept 1.618)

19. These events inspired Pierre de Coubertin to recreate part of these events with Dr. William Penny Brookes. The origin of these events was relayed by the historian Pausanias and another origin story involves a temple being struck by lightning. (\*) Weights known as halteres were used as a part of this activity in which a truce between participants was enforced. A 2 stade activity was part of these events in which participants wore full armor. Because of male nudity, no women could watch these events. For 10 points, identify these games that took place every four years in honor of Zeus.

ANSWER: The Olympics

20. One poem says that these locations and "perdition" were where "doomed" went. That poem ends with "Existing always, always to be blessed." A poem titled for these locations says they "spoil't the dance of youthful blood" One poet from a group named after this place named Philip Freneau wrote "The House of the Night". One poem set in this location mentions an "ignoble strife" that is (\*) "far from the maddening crowd". That same poem also proclaims "The paths of glory lead but to [one of these locations]." For 10 points, identify this place about which Thomas Gray included an epitaph in his "Elegy Written in a Country [one of these places]".

ANSWER: Graveyard (accept equivalents such as cemetery, churchyard, etc.)

[Editor's Note: That second poem is Robert Blair's "The Grave".]

21. (TB) A cantata written by this composer was based on a philosopher's journal and is titled *Prayers of Kierkegaard*. This composer was sued over the composition of his violin concerto, due to the length of the third movement. An overture by this composer was based on a work by Richard Sheridan and was entitled *The School of Scandal*. The most famous piece of this composer was returned to him by Arturo Toscanini, who did not give a single comment, because he was already planning to play it with the NBC Orchestra. That piece played during JFK's funeral. For 10 points, name this American composer of *Adagio for Strings*.

ANSWER: Samuel Osborne **Barber** II

22. (TB) After being sent a ring by Honoria, the sister of the Roman Emperor, this man claimed Honoria as his wife and half of the Roman Empire as a dowry. Early in this man's reign, his armies came within 20 miles of Constantinople, which forced Theodosius II to triple yearly payments to this man. When he first inherited his throne, this man shared power with his older brother Bleda, who he probably had assassinated a few years later. This man's campaigns pushed the Visigoths into Roman territory. For 10 points, name this "Scourge of God" who led many invasions of the Roman Empire in the 5th Century.

ANSWER: **Attila** the Hun



## Bonuses

1. This type of diagram is used to show the forces on an object in a steady state condition. For 10 points each:

[10] Name this type of diagram from physics that is commonly used in the block on a ramp problem.

ANSWER: **Free Body** Diagram (or **FBD**)

[10] In that block on ramp problem, this force is proportional to the weight of the block times the cosine of the angle between the ground and the ramp. Friction in newtons is this force times the coefficient of friction.

ANSWER: **Normal** Force

[10] These other diagrams are often employed in engineering contexts such as in trusses where the free body diagram does not show the internal forces. These diagrams can help determine tensile stress.

ANSWER: **Shear** and **Moment** Diagrams (both required)

2. This optimist said “If there is a volcano at Lisbon it cannot be elsewhere.” For 10 points each:

[10] Identify this character that is a satire of an 18<sup>th</sup> century philosopher.

ANSWER: Dr. **Pangloss**

[10] Dr. Pangloss is the tutor of Candide in a novel by this French author and philosophe [philo-soph] who was notable for his many letters.

ANSWER: **Voltaire** (or François-Marie **Arouet**)

[10] At the end of the novel, Candide suggests that they cultivate their [this location] as a metaphor for self-growth.

ANSWER: **garden**

3. Answer the following related to Philadelphia’s 1793 Yellow Fever outbreak, for 10 points each.

[10] This founder of Dickinson College and founding father helped identify the yellow fever outbreak. During the American Revolution, this man was Surgeon General of the Continental Army.

ANSWER: Benjamin **Rush**

[10] This man, who was President during the crisis, was also president during the Whiskey Rebellion.

ANSWER: George **Washington**

[10] Also in 1793, Washington signed the Proclamation of Neutrality which said that the United States would stay out of a long conflict primarily between these two European nations—one of which took American ships during the Quasi War. Note both answers are required.

ANSWER: **Great Britain** and **France** (accept alternate names for both countries like **United Kingdom** or **French Empire** but do not accept England for Great Britain)

4. In this process, a primary or secondary alcohol should be used, as tertiary alcohols are prone to E1 and E2 reactions. For 10 points each:

[10] Name this reaction that refluxes carboxylic acid and an alcohol under acidic conditions. This reaction takes place via nucleophilic acyl substitution to produce a metastable compound containing a hydroxyl and alkoxy group.

ANSWER: **Fischer esterification** (accept **Fischer-Speier esterification**)

[10] A Fischer esterification to form ethyl methanoate can be performed by reacting ethanol with this simplest carboxylic acid with a chemical formula of HCOOH.

ANSWER: **formic acid** (or **methanoic acid**, **aminic acid**, **formylic acid**, **hydroxymethane**)

[10] Esters in the gas phase can be reliably detected by IR spectroscopy due to the presence of this functional group. This functional group consists of a carbon atom doubly bonded to an oxygen atom.

ANSWER: **carbonyl** group

5. This romantic composer's work was labeled as "degenerate" by the Nazis because he was Jewish. For 10 points each:

[10] Name this pioneer of the twelve-tone system, and composer of "Transfigured Night."

ANSWER: Arnold **Schoenberg**

[10] Schoenberg was a member of the second musical school named for this city. It is also the capital of Austria.

ANSWER: **Vienna** or **Wien**

[10] This work of Schoenberg tells the story of the title character, a Jewish resident in the ghetto of the title city.

ANSWER: **A Survivor from Warsaw** (or **Op. 46**)

6. This two-part allegory is presented as a continuous narrative and some scholars maintain this piece was written while its author was in prison. For 10 points each:

[10] Identify this English allegory written by the preacher John Bunyan that centers on Christian's journey to the Celestial City.

ANSWER: *The **Pilgrim's Progress** from This World to That Which Is to Come; Delivered under the Similitude of a Dream*

[10] This other British author wrote about Christianity in novels such as *A Handful of Dust*, and the novel in which Sebastian carries a teddy bear: *Brideshead Revisited*.

ANSWER: Evelyn **Waugh**

[10] This protagonist of *Brideshead Revisited* who visits the estate of the Marchmain family met Sebastian while studying at Oxford.

ANSWER: **Charles Ryder** (accept either)

7. This company is owned by Facebook and produced a headset known as the "Rift" which can play a version of Rock Band. For 10 points each:

[10] Name this company whose Rift could go into production mode after a successful 2012 kickstarter campaign. This company partnered with Samsung to make a model that works with Samsung's Galaxy phones.

ANSWER: **Oculus** VR (do not reveal VR)

[10] The Oculus Rift, like the HTC Vive uses this technology to simulate environments and real experiences.

ANSWER: **Virtual Reality** (or **VR**)

[10] This company listed on the NYSE is releasing its HoloLens goggles which will supposedly allow users to access computer programs from the headset.

ANSWER: **Microsoft** Corporation (prompt on MS or MSFT)

8. This ruler, who regarded Istvan Tisza as a "*patented traitor*", was outraged when he heard officers speaking in Hungarian while he was commanding the 9<sup>th</sup> Hussars Regiment. For 10 points each:

[10] Name this heir to the Austro-Hungarian throne, who was first in line for ascension to the throne after the Mayerling Incident.

ANSWER: Archduke **Franz Ferdinand**

[10] Franz Ferdinand was a part of this traditionally Austrian dynasty that ruled the Holy Roman Empire with impunity from 1438 to 1740.

ANSWER: **Hapsburg** dynasty

[10] This nephew of Charles V granted some religious liberty in Bohemia, and in Austria tried to give priests the right to marry. This emperor, however, was unable to reform the military in 1570 because of the adamant German princes.

ANSWER: **Maximilian II** (prompt on "Maximilian")



9. This concept is how some companies can use student or senior discounts.

[10] Identify this economic concept where identical goods are sold at different prices in different markets.

ANSWER: **Price Discrimination**

[10] A monopoly can price discriminate because this curve is greater than its marginal revenue in some markets. This curve slopes downward unlike supply.

ANSWER: **Demand**

[10] Contrary to normal goods, these goods, which are usually luxury items, see their demand slope upward. This means, at a higher price, more are demanded.

ANSWER: **Veblen** goods

10. Answer the following about computer hacking for 10 points.

[10] This type of attack attempts to crack a protected file by trying each word in a file. Those ordinary words are usually commonly used and may not have numbers.

ANSWER: **Dictionary** Attack

[10] As opposed to a dictionary attack, this kind of attack is guaranteed to work given enough time to generate all the possible passwords of a given length. This method is also employed when someone just tries “password”, “12345”, etc.

ANSWER: **Brute Force** Attack

[10] This process will help protect against hacking by using methods such as hash algorithms. This process can be done for a symmetric-key or public-key.

ANSWER: **Encryption** (accept **cryptology**)

11. This activity was played by Hun Hunahpu and Vucub Hunahpu near the entrance to Xibalba [she balba]. For 10 points each:

[10] Name this activity in which, in Nahua myth, the Toltec king Huemac played and won stones and quetzal feathers.

ANSWER: Mesoamerican **ballgame** (or **pitz**)

[10] This Mesoamerican culture *Popol Vuh* tells of the Hero Twins who were the sons of the aforementioned Hun Hunahpu. This civilization is notable for its pyramid at Chichen [“cheat-sen”] Itza.

ANSWER: **Mayans**

[10] In Mayan mythology, a god of this substance was named Chac who carried an axe. An Aztec god of this substance ruled the fourth layer of heaven and was often depicted with fangs.

ANSWER: **rain** (prompt on imprecise answers such as storms)

12. The title object of this poem is called a “willow of crystal” and “a poplar of water” in the opening lines of this poem. Answer the following about that poem for 10 points each:

[10] This cyclic poem contains the refrain “goes roundabout” in which the speaker compares his lover to a “serpent-goddess and queen”.

ANSWER: **“The Sunstone”** (or **“Piedra de Sol”**)

[10] “The Sunstone” has 584 lines just as the circular Aztec object of this kind has 584 days. These objects are often used to tell the date.

ANSWER: **calendar**

[10] “The Sunstone” was written by this Mexican author and 1990 Nobel Prize in Literature recipient who also wrote the essay collection *The Labyrinth of Solitude*.

ANSWER: Octavio **Paz** Lozano

13. This woman married a feminist who wrote The Married Women's Property Rights Act of 1870 and 1882. For 10 points each:

[10] Identify this British suffragette who founded the Women's Franchise League and engaged in numerous hunger strikes in support of suffrage.

ANSWER: Emmeline **Pankhurst**

[10] Fellow suffragette Emily Davison threw herself in front of George V's animal of this kind which then trampled and killed her. Davison became a martyr for the suffrage movement.

ANSWER: **Horse**

[10] This Commonwealth country gave women the vote in 1893 after the successful campaign of Kate Sheppard. This country's first female prime minister was Whetu Tirikatene-Sullivan.

ANSWER: **New Zealand**

14. Identify these terms used in ballet for 10 points each:

[10] In ballet, dancers asked to dance in this state generally wear a special kind of shoe with a box in the toe for support. Name this position in which the dancer stands upon their toes.

ANSWER: **en pointe** or (**on point**)

[10] This other motion performed in ballet is typically done in the first, second, fourth and fifth positions in classical ballet—possibly with help of the barre. This movement is when a dancer bends at the knees.

ANSWER: **Plié** [plee-ay]

[10] This other term is used in ballet to denote a dance choreographed for two dancers, and translates from French into English as "step for two."

ANSWER: **pas de deux** [pah-day-doo]

15. This organization is the largest private landowner in the state of Florida. For 10 points each,

[10] Identify this wealthy religious organization, whose members believe that Xenu released millions of thetans by placing them in active volcanoes.

ANSWER: Church of **Scientology**

[10] This fraudster and science fiction author founded the Church of Scientology after writing the book *Dianetics*.

ANSWER: L. Ron **Hubbard**

[10] This pseudo-therapeutic practice in Scientology involves heavily questioning an individual with the help of an E-meter. Scientologists obtain "clear" status by undergoing this process.

ANSWER: **auditing**

16. For 10 points, each answer the following about the gross activity of digestion.

[10] Chewed food or bolus goes from the pharynx through this tube to the stomach. This tube does very little absorption.

ANSWER: **esophagus** (or **gullet**, I suppose)

[10] After passing through the esophagus, the bolus goes into the stomach where it encounters these epithelial cells that release HCl. These cells also produce the intrinsic factor that is critical to B12 absorption.

ANSWER: **parietal cells**

[10] This process gets bolus down into the stomach. This series of smooth muscle contractions eventually gets the digested food out of the body as it pushed through the rectum.

ANSWER: **peristalsis**

17. This novel starts while the main character is onboard the *Martinez* just before it collides with another ship in the fog. For 10 points each:

[10] Name this novel which tells the story of Humphrey “Hump” van Weyden, a man from San Francisco, being rescued by the captain of the *Ghost*, Wolf Larsen.

ANSWER: **Sea Wolf**

[10] This author of “Sea Wolf,” also wrote many works inspired by his time in the Yukon Territory. His other novels include *White Fang* and *Call of the Wild*.

ANSWER: Jack **London**

[10] In another London story, the protagonist fails to perform the title action and build one of these things, that would have prevented his death from hypothermia.

ANSWER: camp**fire** (accept “**To Build a Fire**”)

18. Television corporations, like Food Network, have started to realize that it’s profitable to repurpose their old shows with kids spinoffs. For 10 points each:

[10] Name this popular food network series that recently began its kid spinoff. It’s hosted by Ted Allen and features baskets of mystery ingredients.

ANSWER: **Chopped**

[10] Another Food Network spinoff pitted 8 talented young cooks against each other in the quest to become champion. One of the hosts of this show is famous for her “30 Minute Meals.”

ANSWER: **Rachael vs Guy: Kids Cook Off**

[10] This kids cooking competition does not appear on Food Network, but viewers enjoy watching the kids excel while cooking challenging meals. The audience actually gets to see the softer side of judge Gordon Ramsay.

ANSWER: **MasterChef Junior**

19. This artist painted what appears to be a black-headed woman in his *The Moon-Woman cuts the Circle*. For 10 points each:

[10] Identify this abstract expressionist painter who was humorously known as “Jack the Dripper”.

ANSWER: Jackson **Pollock**

[10] For a time, Pollock worked with this other artist. This Dutch-American artist included pink “biomorphs” in his *Pink Angels* and painted the avant-garde *Woman I*.

ANSWER: Willem de **Kooning**

[10] Pollock mostly painted in this Northeastern city and his *Alchemy* is on display in this city’s Guggenheim Museum. This city is also home to the MoMA.

ANSWER: **New York City** (or **NYC**)

20. For 10 points each, answer some questions about one of the earliest international trade networks, the Indian Ocean trade.

[10] Trade across the Indian Ocean was valuable because of the regularity of these strong winds which carried ships across the ocean. These winds are also known for the rainstorms they bring to the mainland.

ANSWER: **Monsoons**

[10] Arab traders settled this city on an island off the coast of Tanzania to serve as a trading post with East Africa. Along with trade in goods like ivory and wood, this city was also a center in the East African slave trade.

ANSWER: **Zanzibar**

[10] The empire of Srivijaya dominated this most important waterway in the Indian Ocean trade network. The island of Sumatra lies to the southwest of this strait.

ANSWER: Strait of **Malacca**

21(TB). Early in this novel, one character severely botches a surgery on Hippolyte's clubbed foot. For 10 points each:

[10] Name this novel in which the title character, unhappy in her marriage with Charles, goes into massive debt to maintain an affair with Rodolphe Boulanger before committing suicide with arsenic.

ANSWER: **Madame Bovary**

[10] This French author of *Madame Bovary* was the subject of a biography written by Jean-Paul Sartre titled, "The Family Idiot."

ANSWER: Gustave **Flaubert**

[10] This short story collection by Flaubert includes "The Legend of Saint Julian the Hospitalier," and a story about a woman who works as a servant for fifty years before dying, essentially unnoticed.

ANSWER: **Three Tales**