**Packet of Michigan, Michigan State Students**

**Packet 17**

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Tossups

1. **This author’s first major work tells of three sons of God named Martin, Peter, and Jack, who each represent one sect of Christianity. Another work by this author, proposed using one hundred and twenty thousand Irish juveniles in a “fricassee or ragout.” That proposition is part of the greater argument of his pamphlet, that says the Irish should (\*)** sell their children as food. In one novel by this author of *A Tale of a Tub* and “A Modest Proposal”, the title character is used as a weapon of war against the people of Blefuscu because they disagree with his hosts, the Lilliputian. For 10 points, name this satirical author of *Gulliver’s Travels*.

ANSWER: Jonathan **Swift**

2. **A character played by this performer hits Judson with a barstool while helping his friend Prewitt who is played by Montgomery Clift. This star of *From Here to Eternity* created a song in which he says “Love was just a glance away”. (\*)** This singer of “Strangers in the Night” played a character who uses a forced deck of cards to learn of a plot to kill a presidential candidate. This man played Major Marco in *The Manchurian Candidate* and was a member of a supergroup that also featured Sammy Davis Jr. and Joey Bishop. For 10 points, identify this Rat Pack leader who sang about Spring and Winter on Jupiter and Mars in “Fly me to the Moon”.

ANSWER: Frank **Sinatra**

3. **These objects, which can be defined using mutual recursion, can be “walked through” and these non-graph items can transversed by using a breadth-first search. In C, one of these objects can be made by first using the “struct” command and then specifying what is on the left and right. (\*)** One type of this data structure is fast at insert and lookup and is either represented by a null pointer and another item, or consists of a single node. That object is the binary type of these objects. For 10 points, name these data structures that are represented as a series of linked nodes and begin with a root node.

ANSWER: **Tree** (accept **Binary Tree**)

4. **One concept created by this thinker says that ordinary objections are created by matter and forms is known as his hylomorphism. The teleology of this philosopher says that nothing can exist without an acting efficient cause. (\*)** This thinker said that mimesis was the perfection of nature and that tragedies achieve catharsis in one work. In one work, this author advocated for virtue ethics and said that ethical theory describes the best form of human while political theory described realized social organizations. For 10 points, identify this author of the *Poetics* and *The Nicomachean Ethics* who taught Alexander the Great.

ANSWER: **Aristotle**

5. **During this US presidential election, the California primary was contested by a candidate who had won his party’s nomination the previous election. The losing side’s primary in this election featured Washington’s environmentalist and interventionist candidate Henry “Scoop” Jackson. The “Canuck Letter “destroyed Edmund Muskie’s (\*)** chances of winning the Democratic primary in this election. The anti-Vietnam loser in this election won only Massachusetts. The acronym CREEP was used to describe the Republican candidate’s re-election committee in this election. For 10 points, name this election where New Left Democrat George McGovern lost to Richard Nixon.

ANSWER: US Presidential Election of **1972**

6. **In ab initio computational chemistry, two discrete instances of these entities are calculated in the Unrestricted Hartree-Fock method. These entities are said to have ungerade [pr. “oon-guh-rahd”] symmetry if inverting a symmetrical molecule reverses these entities’ phase. Molecules’ excitability can be quantified by the band gap which is the difference between the (\*)** highest occupied and lowest unoccupied versions of these entities. A star denotes the antibonding type of these entities. Sigma bonds can form from the s versions of— for 10 points— what quantum chemical regions whose sp3 [s p three] hybridization occurs in tetrahedral molecules such as methane?

ANSWER: molecular **orbitals** (accept HOMO/LUMO before mention, prompt on “electron shell”)

7. **An early fan of this activity supposed yelled “You will come to no Christian end!” to a fan of the competing team. The flying wedge hurt several people during this activity including during the “Hampden Park Bloodbath”. An 1897 New York Times op-ed said this sport and lynching were the “two curable ills” of its time. The first collegiate game (\*)** in this sport was played between the two schools that both claim the 1869 championship: Rutgers and Princeton. 19 college athletes died on the field in 1905 while playing this sport which prompted President Roosevelt to call a meeting to discuss safety. Riddell started producing helmets for this activity that—for 10 points—is done by players who throw forward passes and score touchdowns.

ANSWER: College **Football** (prompt on gridiron, do NOT prompt on rugby)

8. **A woman eats fruits and chocolates she bought in Greece in one opera by this composer. An orchestral piece by this composer is a rejection of Schoenberg’s style and contains a “Sehnsucht” section. In one opera by this composer, the “Hagar Chorus” opens Act 2 while a boat is hijacked (\*)** by terrorists. Alice Goodman wrote several librettos for this composer of *The Death of Klinghoffer* who included the Chairman Dances in his most famous opera. For 10 points, identify this composer of *On the Transmigrations of Souls*, which memorialized the September 11th victims, and the opera *Nixon in China*.

ANSWER: John Coolidge **Adams**

9. **One character in this novel is forbidden to sing in public by her husband and she flirts with her son-in-law. Brass knuckles are used by a villainous character in this novel to beat up the protagonist but a little boy wearing a blue dress stops the villain. The protagonist meets his eventual wife at a flea market in this novel and her father (\*)** General Taheri chastises him for talking to her there. The central family of this novel has servants named Hassan and Ali who are both Hazaras. Boys in this novel participate in a game where they fly objects covered in sharp objects to knock each other out of the sky. For 10 points, identify this 2003 novel by the Afghani-American Khaled Hosseini.

ANSWER: ***Kite Runner***

10. **In one myth, this god earned the extra days in the calendar by gambling with either Iabet or Khonsu. This was the author of the spells in the “Book of the Dead” and, with Anubis, used his magic to resurrect Osiris in the Land of the Dead. This god was particularly venerated in Khnum** **(\*)** and in a certain cult, this god was the creator god. In one myth, after Horus’ left eye was injured in a fight with Set, this god restored it. Along with Hathor, this god is associated with music and he was the scribe in the halls of Ma’at. For 10 points, identity this Egyptian god of writing and wisdom whose head is usually depicted as an ibis.

ANSWER: **Thoth** (or any of **Djehuty, Tahuti, Tehuti, Zehuti, Techu, Tetu**)

11. **In an article that appeared in the *Guardian*, Harold Bloom said this novel was both a tragedy and a comedy. While Sampson is being fetched, the protagonist of this novel wonders if a book was written to tear him down or to exalt him. Vivaldo asks a character in this novel why there is an army in such a peaceful country and reads a poem that praises Marcelo’s (\*)** beauty. The title character of this novel has a duel with the Knight of the White Moon, whose horse was "much swifter than Rozinante". The protagonist of this novel lusts after Dulcinea and travels with his squire Sancho Panza. For 10 points, identify this Cervantes novel about a self-declared knight who tilts with windmills.

ANSWER: ***Don Quixote***

12. **Supposedly, one of this event’s perpetrators fathered the McMahon clan after staying a year at Knaresborough Castle. Another perpetrator of this event, Richard Le Breton, was said to have broken his sword during this event. This event, which was precipitated by a refusal to support the Constitution of Clarendon, was caused after the central figure excommunicated Gilbert Foliot and Josceline de Bohon. (\*)** Two years after this event, the central figure was canonized by Pope Alexander III. Four knights set out on this task after hearing Henry II say “who will rid me of this troublesome priest?” For 10 points, name this event in which a certain Archbishop of Canterbury was killed.

ANSWER: **Assassination** of Thomas **Becket** (Accept equivalents. Accept anything indicating that Thomas **Becket was killed**.)

13. **According to its creator, this segment was inspired by a skit performed during Red Nose Day 2011 and inspired the sitcom *Gavin & Stacey*. One filming of this segment was interrupted by a medical emergency in which Anthony Kiedis [kee-diss] performed CPR on a baby. Another of these segments ends with a tandem bike ride partially pedaled by (\*)** Chris Martin. This segment has featured Michelle Obama and Missy Elliott who performed “This is For My Girls,” and the first guest on this segment was Mariah Carey. For 10 points, name this recurring segment of *The Late Late Show with James Corden* in which Corden drives his musical guests.

 ANSWER: **Carpool Karaoke** (prompt on the *Late Late Show with James Corden* before mention)

14. **This text is traditionally studied with a partner and read over a period of seven years. A part of this work was organized into six orders by Hillel the Elder. Followers of Judah the Prince laid the framework for the “Babylonian” (\*)** incarnation of this text. This work contains a set of commentaries, known as the Gemara, on a collection of oral traditions called the Mishnah. The name of this text comes from a Hebrew word meaning “learning.” Containing the Oral Torah— for 10 points— name this work of Rabbinical literature which lays the foundation of Jewish law.

ANSWER: **Talmud**

15.**The synthesis of malonyl-CoA is the first step of assembling these compounds and Beta oxidation is the metabolic process by which some of these compounds are broken down in the mitochondria and/or peroxisomes. Signaling in these compounds may occur via activation of nuclear receptors, and several different categories of this compound have been identified as cellular messengers. In histology, these compounds look like “fluffy clouds” and are called adipose. (\*)** One of these compounds is the major components of biologic membranes containing an amphipathic head and two “tails.” For 10 points, name this type of organic molecule that include steroids, triglycerides, and fats.

ANSWER: **Lipids** (accept fats ortriglycerides before mention, do not accept or prompt on steroids)

16. **Three years after this ruler’s death, King Alboin of the Lombards successfully invaded most of this ruler’s territory that had been conquered in a war that included the Battle of Mons Lactarius. This ruler condemned the Three Chapters at his Second Council of Constantinople. After rival chariot factions who separated into the Blues and the Greens (\*)** rioted in this ruler’s capital city, he chose Isidore of Miletus and Anthemius of Tralles to rebuild a structure that would eventually be turned into a mosque in 1453. This ruler who financed the building of the Hagia Sophia was married to the courtesan Theodora. For 10 points, name this Byzantine Emperor famous for his law code.

ANSWER: **Justinian** the Great

17. **Two members of this family—one of whom is sent to prison for stealing a suit— are chastised by their mother for abandoning their sick father in a restaurant bathroom. One member of this literary family gives stockings to his mistress. One character of this family was a high school football star (\*)** but failed math. The father of this family says “The jungle is dark, but full of diamonds” before he kills himself in a driving accident to give his family a life insurance payout. For 10 points, Biff, Happy and Willy are part of what family that is featured in Arthur Miller’s *Death of a Salesman*?

ANSWER: **Loman** family

18. **In a work by this painter, the titular poet is guided away from the city of the dead by the poet Virgil. In a painting of this artist of *The Barque of Dante*, a man lies on a bed watching a scene of chaos unfolding in this artist’s *The Death of Sardanapalus.* (\*)** An Ottoman soldier on horseback towers above the destitute inhabitants of the island of Chios in another of this artist’s paintings. This artist, known for his depictions of Algeria, painted a work in which a young boy with two pistols stands behind a bare-breasted woman waving a tattered French flag. For 10 points, identify this artist of *Liberty Leading the People*.

ANSWER: Eugene **Delacroix**

19. **The Wick rotation is combined with a mathematical tool created by this scientist to explain quantum gravity. Murry Gell-Mann and this scientist suggested a left-handed vector Lagrangian for weak interactions. With Smoluchowski, this scientist names a thought experiment about a Brownian perpetual motion machine known as his rachet.** **(\*)** “Imaginary time” and all the possible movement patterns of a particle are considered in this physicist’s path integral formulation. Squiggly lines represent bosons in this man’s diagrams. For 10 points, identify this late Caltech physicist whose diagrams are used in quantum chromodynamics.

ANSWER: Richard **Feynman**

20. **According to one biography, this man was illiterate and he stole cattle and used that money to buy arms. When he was 15, this man shot a man who was harassing his sister, forcing him to flee into exile for the next six years. This man signed a contract with the Mutual Film Company from Hollywood to have his battles filmed. (\*)** This man fought to overthrow Porfirio Diaz and then, with Carranza and Zapata, to overthrow Victoriano Huerta. For 10 points, name this Mexican Revolutionary whose raid on the town of Columbus, New Mexico prompted General Pershing’s unsuccessful invasion of Northern Mexico in 1916.

ANSWER: Francisco “Pancho” **Villa** (or José Doroteo Arango **Arámbula**)

21. (TB) The Ghyben-Herzberg equation is used to calculate the rate of intrusion into these objects. These entities’ conductivity is multiplied by their cross-sectional area in Darcy’s Law. The vadose zone is the area between the tops of these entities and Earth’s surface. When these entities are comprised of carbonate rock, they are easily contaminated when karst topography occurs. Perched ones of these are usually small, and confined ones typically are bound by a layer of clay minerals. If trapped, these objects can flow into artesian wells. For 10 points name these large underground reservoirs of water.

ANSWER: **Aquifer**

22. (TB) A man in this film becomes briefly angered after hearing the song “As Time Goes By.” In this film, a man consoles his ex-lover by reminding her “We’ll always have Paris.” A band in this film attempts to drown out a patriotic German song by playing “La Marseillaise” [pr. “La mar-say”]. This film, directed by Michael Curtiz, is set largely in a cafe owned by Rick Blaine. The protagonist of this film attempts to help a Czech Resistance fighter and his wife Ilsa Lund escape to America from the titular Moroccan town. For 10 points, name this 1942 romance starring Ingrid Bergman and Humphrey Bogart.

ANSWER: ***Casablanca***

Bonuses

1. This value, symbolized K characterizes the compressibility of a unit volume of a fluid. For 10 points each:

 [10] Identify this property that describes how a fluid responds to forces acting on it. The units on this value are Newton per meters squared.

ANSWER: **bulk** modulus (prompt on volume modulus)

[10] As opposed to the bulk modulus, Young’s modulus helps model this internal force and its relationship to strain.

ANSWER: **stress**

[10] The bulk modulus can be calculated by the Birch Murnaghan when using this mathematical computer program that is primarily used in engineering.

ANSWER: **MATLAB** (accept **mat**rix **lab**oratory)

2. This 19th century novel follows a coal miners’ strike in France. For 10 points each:

[10] Name this novel in which the naive protagonist Étienne Lantier learns about socialism and fraternizes with the anarchist Souvarine.

ANSWER: ***Germinal***

[10] *Germinal* was written by the same author as this letter that was published in *L'Aurore*. This letter accused the French government of unlawfully accusing Alfred Dreyfus and alleged the French government was anti-Semitic.

ANSWER: ***J'Accuse***

[10] Both Germinal and *J’Accuse* were written by this French author who wrote the 20-novel cycle *Les Rougon-Macquart*.

ANSWER: Émile **Zola**

3. America was not particularly supportive of the Treaty of Versailles. Answer some questions about that disapproval for 10 points each.

[10] These statements sought to make the treaty able to prevent the possibility of another World War and tried to secure free navigation of the oceans. The tenth of these statements suggested autonomy for the ethnic groups of the Austro-Hungarian empire.

ANSWER: Wilson’s **Fourteen Points**

[10] The fourteenth point advocated the creation of this international organization that America didn’t actually join.

ANSWER: The **League of Nations**

[10] This Massachusetts senator led opposition to the Treaty and advocated joining the League of Nations with “reservations”. This man thought that the Tenth article of the League’s charter would hurt American sovereignty.

ANSWER: Henry Cabot **Lodge**

4. For 10 points each, name some things about the controversial police called the Skullcap crew.

[10] The Skullcap crew work this Midwestern city whose current mayor is Rahm Emmanuel.

ANSWER: **Chicago**

[10] Chicago was the site of the fatal shooting of this knife-wielding high schooler. This man’s murder by officer Jason Van Dyke was caught on camera.

ANSWER: Laquan **Macdonald**

[10] The Skullcap crew patrolled urban developments in the South side of Chicago run by this governmental department that is currently led by Ben Carson.

ANSWER: Department of **Housing and Urban Development** (or **HUD**)

5. Reincarnation is central to several religious systems so answer some questions about reincarnation for 10 points each.

[10] This idea about cause and effect in several Indian religions says that those who perform good deeds are rewarded with a better life in samsara.

ANSWER: **karma**

[10] Each life has a God-given purpose in this syncretic religion whose practitioners speak a Yoruba derivative. This religion’s services are called séances.

ANSWER: **Santeria** (or **Regla de Ochá** or **La Regla de Ifá** or **Lucumi**)

[10] In 2013, this religious leader said he may not be reincarnated as previous iterations of him were. This leader wishes that his successor not be picked by the political establishment of his country.

ANSWER: Fourteenth **Dalai Lama** (accept **Tenzin Gyatso** and either name)

6. This 1722 novel’s narrator is the simply-named H.F. For 10 points each:

[10] Identify that novel in which H.F. thinks that God wants him to remain in the infected London. John Hayward and his wife advocate putting garlic in one’s mouth to prevent disease in this novel.

ANSWER: ***A Journal of the Plague Year***

[10] *A Journal of the Plague Year* was written by this author who also wrote *Moll Flanders*.

ANSWER: Daniel **Defoe** (accept Daniel **Foe**)

[10] Defoe is probably best known for this novel about a castaway whose title character eventually befriends the servant Friday.

ANSWER: ***Robinson Crusoe***

7. Answer some questions about a certain South Asian nation’s independence for 10 points each.

[10] This nation declared its independence on March 26, 1971. Before then, this nation was a large exclave of the larger West Pakistan.

ANSWER: **Bangladesh** (prompt on East Pakistan)

[10] In response to the large refugee crisis that the war for independence caused, George Harrison and Ravi Shankar organized the first large-scale one of these events.

ANSWER: **Benefit Concert** (accept anything that refers to a concert that raises money for a cause)

[10] After raging for over half a year, the Bangladeshi Liberation War was ended after this 13-day war forced Pakistan to accept Bangladeshi independence. This short war began after pre-emptive strikes by Pakistan damaged several of its Southern neighbor’s air bases.

Answer: **Indo-Pakistani War of 1971**

8. *Lobster Trap and Fish Tail* is one of these works. For 10 points,

[10] Identify these sculptures, often made with sheet metal, whose pieces move relative to one another.

ANSWER: **Mobiles**

[10] This American sculptor is known for his mobiles, as well as his stabiles. *La Grande Vitesse* is a large, red sculpture by this man located in Grand Rapids, Michigan.

ANSWER: Alexander **Calder**

[10] Calder composed a wire sculpture as a tribute to this African-American dancer, who famously aided the French Resistance during World War II.

ANSWER: Josephine **Baker**

9. The singer of this song “remembers” how his first meal “was a school lunch” and his Captain Crunch dinner. For 10 points each:

[10] Name this rap song in which the singer says “Rushing at a kid just to be” the title phrase.

ANSWER: **“Grown Up”**

[10] This Detroit-born rapper released “Grown Up” and on a track with Purity Ring said “Now I'm trapped in the trap and the devil ain't forgetting” in “25 Bucks”.

ANSWER: Danny **Brown**

[10] Danny Brown performed with this other rapper on “Really Doe”. This artist is perhaps more famous for the songs “Alright” and “King Kunta” which appeared on his 2015 album *To Pimp a Butterfly*.

ANSWER: Kendrick **Lamar Duckworth** (prompt on “Kendrick”, accept either last name such as **Lamar**)

10. Under non-ideal conditions, values for pressure in this law are replaced by fugacities. For 10 points each:

[10] Name this thermodynamic law that equates the partial vapor pressure of a liquid in to that liquid’s pure vapor pressure times its mole fraction. With Dalton’s Law, this law can calculate the total vapor pressure of a solution in equilibrium.

ANSWER: **Raoult’s Law**

[10] Raoult’s and Dalton’s laws govern an ideal model for this chemical process that separates the liquids in a mixture through vaporization and condensation.

ANSWER: **distillation**

[10] Distillation distinguishes between liquids in a mixture due to their different values of this quantity, which describes how easily a substance will vaporize and varies directly with vapor pressure.

ANSWER: **volatility**

11. This property for two triangles can be proven by proving that the hypotenuse and a leg have this property with respect to another triangle. For 10 points each:

[10] Identify this geometric property that says two objects are the same size and shape.

ANSWER: **Congruence** (accept words forms)

[10] Along with the alternating interior angles, congruence holds for these two angles when two parallel lines have a transversal. These angles are in the matching corners formed by the transversal.

ANSWER: **corresponding** angles

[10] One can prove that three of these lines of the sides of a triangle are congruent. These lines also appear in Brahmagupta’s theorem of cyclic quadrilaterals.

ANSWER: **perpendicular bisector** (prompt on bisector, prompt on altitude)

12. Answer the following about transformations from Ovid’s *Metamorphoses* for 10 points each:

[10] This son of Tantalus had part of this shoulder transformed into a piece of ivory after Ceres ate part of it when Tantalus tried to serve flesh of this man to the gods.

ANSWER: **Pelops**

[10] This founder of Thebes sowed into the ground the teeth of a dragon he had killed. This man and his wife Harmonia returned to Illyria but were changed into black serpents by Zeus.

ANSWER: **Cadmus**

[10] Apollo curses this man by giving him donkey ears after earlier giving this man the rather unfortunate ability to turn anything he touched to gold.

ANSWER: **Midas**

13. 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 Noble Prize in Literature recipient who also wrote the essay collection *The Labyrinth of Solitude.*

ANSWER: Octavio **Paz** Lozano

14. There was already a bonus about birds in European literature, but are you ready to put your America hat on and answer some questions about birds in American poetry for 10 points each?

[10] In “The Red Wheelbarrow”, the title object is besides these birds. Gertrude Stein said that “Pheasant and [this bird], [this bird] is a peculiar third” in “Tender Buttons”.

ANSWER: **chickens**

[10] This poet said that the title bird “Guides through the boundless sky thy certain flight” in his “To a Waterfowl”.

ANSWER: William Cullen **Bryant**

[10] The title dark bird of this Edgar Allan Poe poem sits on a “bust of Pallas” and repeats “Nevermore” throughout the poem.

ANSWER: “The **Raven**”

15. It could be argued that Sigmund Freud is the favorite of psychologist of people who don’t study psychology. Answer some questions about why for 10 points each:

[10] In *The Interpretation of Dreams*, Freud describes a dream about this woman. This woman is suffering from throat pain in the dream and may be a representation of Freud’s guilt.

ANSWER: **Irma**

[10] Freud’s most infamous idea was this one that says young boys subconsciously want to have sex with their mothers.

ANSWER: **Oedipal Complex** (accept **Oedipus Complex**)

[10] 19th century philosopher Max Stirner may have inspired this Freudian concept that is the core of the autonomous self and harbors value-based attitudes.

Answer: **Superego** (do NOT prompt on “ego”)

16. This composer of the opera “Lady Macbeth of the Mtsensk District,” and Symphony No. 5 in D minor was given awards by the Soviet Union, despite being denounced twice. For 10 points each:

[10] Name this Russian composer of the Leningrad Symphony.

ANSWER: Dmitri Dmitriyevich **Shostakovich**

[10] One concerto written for this instrument by Shostakovich was dedicated to David Oistrakh and featured Shostakovich’s signature DSCH [pr. “Day-Es-Say-Ha"] in the third movement cadenza. Other players of this instrument include Sarah Chang and Itzhak Perlman.

ANSWER: **violin**

[10] Shostakovich’s eighth piece in this genre also contains his DSCH motif in each of its five movements and in C minor. That gloomy piece was supposedly meant to memorize the victims of fascism.

ANSWER: **string quartet**

17. This monarch gave a speech to her troops at Tilbury in 1588. For 10 points each:

[10] Identify this “Virgin Queen” who was the queen of England when the Spanish Armada was successfully repelled by the English and the bad weather.

ANSWER: **Elizabeth I** (prompt on Elizabeth)

[10] This privateer and friend of Elizabeth led some of the English troops during the repel of the Spanish Armada. He launched the Cadiz Raid and captained the *Golden Hind*.

ANSWER: Sir Francis **Drake**

[10] This man advised Elizabeth until his death in 1598. He became Elizabeth’s secretary of state and was influential in making the Religious Settlement of 1559.

ANSWER: William **Cecil**, 1st Baron Burghley (accept **Burghley**)

18. For 10 points each, answer the following about the structures of fungi.

[10] What is the name given to the tubular branching structures of a fungus? They are to similar the roots of plants, and together they form the mycelium.

ANSWER: **Hyphae**

[10] The cell walls of hyphae are made of this tough, nitrogenous polysaccharide. It is the same substance that makes up the exoskeletons of arthropods.

ANSWER: **Chitin**

[10] This is the name given to the mutualistic relationship between plant roots and fungal hyphae.

ANSWER: **Mycorrhiza**e

19. Answer the following about the 1814 and 1815 Congress of Vienna for 10 points each:

[10] The Congress was chaired by this Austrian who pushed for the Carlsbad Decrees and was forced to resign in 1848.

ANSWER: Klemens von **Metternich**

[10] This restored monarch was nominally in charge of the French who were allied with the British at the Congress. This monarch made it illegal for those of the House of Bonaparte to hold office in the French state.

ANSWER: **Louis XVIII** (prompt on Louis)

[10] One consequence of the Congress of Vienna was that Russia was given almost complete control over the Duchy of this city. The territory named after this city was partitioned between Russia and Prussia.

ANSWER: **Warsaw**, Poland

20. Answer the following about the island of Hokkaido for 10 points each.

[10] Hokkaido is the most northern island in this archipelago and used to be home to the Ainu people.

ANSWER: **Japanese** archipelago (accept just **Japan** or **Nippon**)

[10] This capital and largest city of Hokkaido is the fourth-largest in Japan by population; this city is famed for its annual snow festival, and was the site of the 1972 Winter Olympics.

ANSWER: **Sapporo** (accept **Sapporo-shi**)

[10] Hokkaido lies across this body of water from the Japanese island of Honshu. The Seikan Tunnel runs under this body of water that connects the Sea of Japan to the Pacific Ocean.

ANSWER: **Tsugaru** Strait (accept **Tsugaru-kaikyō**)

21 (TB). The Croats rarely get asked about in quizbowl, so let’s change that with 10 points apiece questions.

[10] The Kingdom of Croatia reached its territorial zenith under Peter Kresimir IV, who was kidnapped by this people under Peter II that earlier led the successful invasion of Great Britain in 1066 under William the Conqueror.

ANSWER: **Normans**

[10] Peter II invaded this coastal region of modern day Croatia the birthplace of Diocletian. This eastern shore of the Adriatic also names a commonly-used firehouse dog.

ANSWER: **Dalmatia**

[10] In 1102, the Croatian Nobles signed the Pacta Conventa with Coalaman who led this kingdom that eventually came into a union with Croatia.

ANSWER: **Hungary**