

## COLLABORATIVE ACADEMIC SPRING TOURNAMENT 2019

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### PACKET 1 TOSSUPS

1. **Lithium diisopropylamide (“di-ice-oh-pro-pull-AM-ide”) is a very strong, yet unusually non-nucleophilic example of these compounds. The oxide ion acts as one of these substances. Fatty acids are reacted with these compounds in saponification (“sa-PON-if-ih-cay-shun”) reactions to form soaps. These compounds turn (\*) phenolphthalein (“FEEN-ol-FAY-leen”) pink and litmus blue. These compounds donate electron pairs according to the Lewis definition and dissociate in water to form hydroxide ions in the Arrhenius (“uh-REE-nee-us”) definition. For 10 points, name these compounds which have pH greater than 7, contrasted with acids.**

ANSWER: **bases** [accept specific types of bases, like Lewis **bases**, Bronsted-Lowry **bases** and Arrhenius **bases**] <GC>

2. **This idea is the first thing that al-Ghazali (“al-gah-ZAH-lee”) accuses philosophers of being unable to prove in *The Incoherence of the Philosophers*. One argument for this idea was attacked in a thought experiment about a perfect island by Gaunilo. That argument for this idea focuses on the necessary properties of the greatest conceivable thing, and was put forth in the *Proslogion* (“pros-LOW-jee-on”) by (\*) St. Anselm. Pascal’s wager asserts that it is in people’s best interests to hold this position. This position, which is asserted by the ontological argument, is supported by the analogy of the watchmaker. For 10 points, name this philosophical position stating that there is a higher being, rejected by atheists.**

ANSWER: the **existence of God** [accept **theism**, accept answers referencing the **ontological** argument until mention or about how these are all arguments to **believe in God**; do NOT accept or prompt on answers referencing “atheism” or the non-existence of God] <NS>

3. **One of these animals titles a play where Countess Diana prevents Teodoro from getting married to the maid Marcella. One of these animals named Poligraf Sharikov has the pituitary gland of a human implanted into it in Mikhail Bulgakov’s novel titled for the “Heart of [this animal].” One of these animals engages in a deadly fight with Spitz and kills several (\*) Yeehat Indians after realizing that John Thornton was murdered. That character, who is one of these animals, is kidnapped and learns to survive winter in the Klondike. For 10 points, name this type of animal exemplified by Buck in Jack London’s *The Call of the Wild*.**

ANSWER: a **dog** [accept sled **dog**, accept specific types of dogs like **poodle**; or *The **Dog** in the Manger*; or *Heart of a **Dog***] <NS>

4. **In one song in this language, the title woman, who “loves the guerrilla movement,” cheats on her boyfriend with two of his comrades at a flag-swearing ceremony. A recent Billboard Top 10 song in this language features the French DJ Willy William and has a title translating as “my people.” Bad Bunny and J. (\*) Balvin record music in this language. The genre of *reggaeton* was developed in this language, and includes a song in which Justin Bieber has a featured verse in which he talks about wooing a woman “a little slowly.” For 10 points, name this language in which songs including “Macarena” and “Despacito” were recorded.**

ANSWER: **Spanish** <JM>

5. For his actions in this city, Colonel Gail Halvorsen gained the nickname “Uncle Wiggly Wings.” A relief effort for this city was led by Lucius D. Clay. Supplies were given to the residents of this city during Operation Little Vittles. An urban legend states that during a speech in this modern-day city, John F. Kennedy claimed he was a (\*) jelly doughnut. Americans flew planes over this city to provide supplies during a 1948 Soviet blockade. Ronald Reagan told Mikhail Gorbachev to ‘tear down’ a structure in this city. For 10 points, name this European capital whose east and west halves were divided by a wall.

ANSWER: Berlin [or East Berlin; or West Berlin; or the Berlin Wall] <WG>

6. Victor Herbert, a player of this instrument, inspired another composer to write a B minor concerto for it. Leo Stern premiered that concerto by Antonín Dvořák (“ANT-o-noon de-VORE-zhak”). Mstislav (“mih-sti-SLAHV”) Rostropovich and (\*) Pablo Casals (“cah-ZAHLS”) are famous players of this instrument. A prelude begins and a gigue ends each of a set of six suites by Bach for this instrument. It also plays along with the piano in the 13th movement of Camille Saint-Saens’ Carnival of the Animals, entitled “The Swan.” For 10 points, name this instrument played by Yo Yo Ma, which is the lowest instrument in a standard string quartet.

ANSWER: cello [or violoncello] <AN>

7. According to Ovid (“AH-vid”), one woman suffered this fate after the braying of a donkey saved her from being raped by Priapus (“PRY-ah-pus”). Adonis’ mother suffered this fate after the discovery of her incest with her father Cinyras (“KIN-ee-rass”). Dryope (“DRY-oh-pee”) suffered this fate after blood fell on her hand while picking a flower. This fate of (\*) Myrrha (“murr-uh”) ultimately befell another nymph after Cupid shot her with a lead arrow. While grieving for their brother Phaethon (“fay-THON”), the Heliades (“HELL-ee-uh-deez”) underwent this process and had their tears turned into amber. For 10 points, name this transformation into a certain plant, exemplified by Daphne being turned into a laurel while fleeing from Apollo.

ANSWER: being changed into a tree [accept reasonable equivalents] <JA>

8. This author discussed the viciousness of stereotypes within American culture in his essay collection *Shadow and Act*. In one of this author’s novels, Reverend Alonzo Hickman’s son becomes a racist senator named Adam Sunraider. One of this author’s characters works at Liberty Paints and lives in a room lit with 1,369 light bulbs. That novel’s protagonist is expelled from a prestigious (\*) black college by Dr. Bledsoe before working in Harlem for the Brotherhood organization opposed by Ras the Exhorter. For 10 points, name this African American author of *Juneteenth* and *Invisible Man*.

ANSWER: Ralph Ellison [or Ralph Waldo Ellison] <NS>

9. CORBA and DCOM are two standards built on the distributed paradigm for these constructs. The “Rule of Five” dictates what must be defined when creating one of these constructs in C++. A class named for one of these constructs is the parent class of all other classes. “Setters” and “getters” may be used to access and modify their properties in accordance with the principles of (\*) encapsulation. These constructs are instances of classes and can be made through by calling a “constructor” method. For 10 points, name these constructs around which languages like Java and C++ are “oriented.”

ANSWER: objects [accept class until mentioned] <DM>

10. The first ruler of this kingdom banned poaching sandalwood trees by invoking a sacred taboo. This kingdom had a law stating that every woman, child, and elderly person should be able to safely lie on the side of the road, the Law of the Splintered Paddle. Its final ruler was forced to sign Lorrin Thurston’s (\*) Bayonet Constitution, and this kingdom was succeeded by a republic led by Sanford Dole. This kingdom was annexed in 1898, after which settlers established sugar and pineapple plantations. For 10 points, name this kingdom ruled by Kamehameha and Lili’uokalani, which then became the 50th U.S. state.

ANSWER: Kingdom of Hawai’i <GP>

11. **This author appears in the title of a Julian Barnes novel in which Geoffrey Braithwaite tracks down a stuffed animal that was on this author's desk. Felicité sees her pet parrot float above her deathbed in this author's short story "A Simple Heart." This author also wrote a novel in which (\*) Lheureux puts his rival Madame Lefrançois out of business. In that novel, the title character requests arsenic so she can "kill some rats" and attends a performance of *Lucia di Lammermoor*. The title character of this author's most famous novel marries the country doctor Charles yet has affairs with Léon and Rodolphe. For 10 points, name this French author of *Madame Bovary*.**

ANSWER: Gustave **Flaubert** <NS>

12. **Description acceptable. Attendees of this event met at the Capella Hotel on Sentosa Island. One of the clauses in a document agreed upon during this event was a commitment to recover prisoner of war and missing in action remains. This event was partially sparked by fears over the deployment of the Hwasong-15 missile. The planning of this event occurred shortly after the (\*) Panmunjom Declaration was made between Moon Jae-In and a neighboring leader. For 10 points, name this June 2018 event where a President and Supreme Leader of traditionally opposed countries met in Singapore in a diplomatic meeting.**

ANSWER: **Trump-Kim Jong-Un Summit** (accept any answer that mentions the United States and North Korea, or their leaders meeting; accept Donald John **Trump** for Trump; prompt on partial answer; prompt on Kim) <AN>

13. **This country's invasion of Poland after the start of the Khmelnytsky ("KMEL-nits-kee") Uprising marked the beginning of a period known as the "Deluge." This country gained the province of Ingria after England helped negotiate the Treaty of Stolbovo between it and Russia. The Ottoman Sultan Ahmed III gave refuge to this country's monarch and the cossack Ivan Mazepa after his forces lost the Battle of (\*) Poltava. Another monarch of this country won the Battle of Breitenfeld, but died at Lützen ("LOOT-sun"), during this country's namesake phase of the Thirty Years' War. For 10 points, name this Scandinavian country ruled by Charles XII ("the 12th") and Gustavus Adolphus.**

ANSWER: **Sweden** [or Kingdom of Sweden; or the Swedish Empire; or the Swedish Deluge; or Sverige; or Svithiod] <GP>

14. **These organelles are "frozen" using cycloheximide in their namesake profiling technique. The function of this organelle partly relies on GTP hydrolysis ("high-DRAW-lih-sis") by EF-Tu ("E-F-two"). Chloramphenicol ("CLOR-am-FEN-ih-col") and tetracyclines ("tetra-SY-kleenz") inhibit the function of this organelle in bacteria. This organelle usually binds to a Kozak or Shine-Dalgarno sequence upstream of a sequence which codes for (\*) methionine ("muh-THIGH-oh-noon"). A, P, and E sites transport tRNA molecules through these organelles, which are found either free in the cytoplasm or attached to the rough endoplasmic reticulum. For 10 points, name these organelles which synthesize proteins.**

ANSWER: **ribosomes** <AG>

15. **Ibn Fadlan met these people along the Volga River and witnessed a funeral rite in which they threw dead livestock onto a boat. The descendants of one of these people named Rurik ruled the Kievan Rus'. They served as bodyguards to the Byzantine emperor as part of the Varangian ("vuh-RAN-jee-uhn") Guard. Some of these people who fought without armor in a frenzy were called (\*) berserkers, and members of their upper class were called *jarls* ("yahrls"). They established Vinland in modern-day Canada around 1000 AD, and travelled there using longships under the leadership of Leif Erikson. For 10 points, name these seafaring Norsemen who did not actually wear horned helmets.**

ANSWER: **Vikings** [accept Varangians until it is read; accept Kievan Rus until mentioned; prompt on Norsemen until it is read] <WG>

16. In a novel by this author, Harold Transom loses an election in Treby Magna after a riot where the title “Radical” is charged with manslaughter. A character created by this author studies *The Imitation of Christ* and falls in love with Philip Wakem. In another novel by this author, Dunstan Cass’s skeleton is found alongside a bag of gold stolen from the title (\*) weaver of Raveloe. This author’s most famous novel discusses a relationship between Tertius Lydgate and Rosamond Vincy and opens with the author of *The Key to All Mythologies*, Edward Casaubon, marrying Dorothea Brooke. For 10 points, identify this author of *The Mill on the Floss*, *Silas Marner*, and *Middlemarch*.

ANSWER: George Eliot [or Mary Ann Evans] (The first novel is *Felix Holt, the Radical*) <NS>

17. A character in this opera explains how he got a job with an English gentleman who ordered him to play his violin until a parrot died. Two characters in this opera hold hands after candles go out during the aria “Che gelida manina” (“CHAY guh-LEE-duh muh-NEE-nuh”). One character attempts to seduce her former lover Marcello in the aria “Quando m’en vo” (“QUAN-do me-IN-voh”). In this opera, (\*) Musetta sells her earrings and Colline pawns his overcoat for medicine in order to save the lover of Rodolfo from tuberculosis. This opera, which is set in the Latin Quarter, ends with the death of Mimi. For 10 points, name this opera about poor Parisian artists by Giacomo Puccini.

ANSWER: La Bohème <NS>

18. At pressures exceeding 150 GPa, hydrogen sulfide becomes one of these materials. The ratio of a coherence length to penetration depth is used to classify these materials. Josephson junctions join two of these materials together, whose properties are explained by the existence of Cooper pairs in (\*) BCS theory. YBCO is an example of a high temperature form of these materials, whose type I and II varieties are differentiated by their ability to completely expel magnetic fields in the Meissner (“MICE-ner”) effect. For 10 points, name these materials which have zero electrical resistance.

ANSWER: superconductors <AG>

19. African-Americans with this trait were supported by Barbara Smith’s Combahee River Collective in the 1970s. A musical uses a “ring of keys” as a metaphor for this trait, which allows a woman to relate to her antique-loving father before he commits suicide. *Rubyfruit Jungle* author Rita Mae Brown reclaimed Betty Friedan’s term for people with this trait, the “lavender menace.” Alison (\*) Bechdel’s graphic novel *Fun Home* describes her realization that she possessed this trait. People with this trait often characterize themselves as “femme” or “butch.” For 10 points, name this trait exemplified by women who love women.

ANSWER: lesbianism [or being a gay woman; prompt on homosexuality or equivalents; do not accept any answer that mentions men] <OL>

20. One artist from this country collected a series of landscape prints in his *Liber Studiorum*. In a painting from this country, the sun is depicted setting beneath a brown cloud while a sailing ship is "tugged to her last berth to be broken up." A small hare can be seen running along a structure in a painting from this country which depicts a (\*) train on the Great Western Railway crossing a bridge during a storm. One artist from this country depicted a dog standing near a river by Willy Lott’s cottage toward which a cart is being pulled. For 10 points, name this home country of the artists of *Rain, Steam, and Speed* and *The Hay Wain*, J.M.W Turner and John Constable.

ANSWER: England [or Great Britain; or the United Kingdom; or the U.K.] <NS>

## PACKET 1 BONUSES

1. Answer the following about the Shakespeare play *Othello*, for 10 points each:

[10] Othello is a Moorish general from this city. In another Shakespeare play, Antonio is the title “Merchant” of this city.

ANSWER: **Venice** [or *Othello, the Moor of Venice*; or *The Merchant of Venice*]

[10] The villainous Iago (“ee-AH-go”) plants one of these items in Cassio’s bed, leading Othello to believe his wife Desdemona has been cheating on him. This object belonging to Desdemona represents her fidelity.

ANSWER: **handkerchief** [or **tissue**]

[10] In Act III, Iago tells Othello to “beware” of this emotion, which he compares to a “green-eyed monster.”

ANSWER: **jealousy** [or being **jealous**; accept word forms] <WG>

2. This practice may have started during the Song dynasty due to the popularity of the concubine Yao Niang’s “lotus dance.” For 10 points each:

[10] Name this practice of permanently damaging body parts belonging to Chinese women so they would conform to beauty standards.

ANSWER: **foot binding** [accept word forms]

[10] After invading China, these people banned the practice of foot binding among their own people. These people were led by *khans* such as Genghis and his grandson Kublai.

ANSWER: **Mongols**

[10] This woman, who helped to modernize China while serving as Empress Dowager, attempted to pass a law banning foot binding after China’s defeat in the Boxer Rebellion.

ANSWER: Empress Dowager **Cixi** [or Empress Dowager **Tz’u-hsi**] <WG>

3. Answer the following about humanistic psychologist Abraham Maslow, for 10 points each:

[10] Maslow developed a hierarchy of this concept by placing self-actualization on the top level while placing breathing, eating, and sleeping on the bottom level.

ANSWER: hierarchy of **needs**

[10] Maslow believed people who have achieved self-actualization can experience moments of intense joy known by this two-word phrase.

ANSWER: **peak experiences**

[10] Maslow identified the fear of success and the avoidance of exercising one’s talents as a complex named for this person. This Biblical character is eaten by a fish that is sometimes called a whale.

ANSWER: **Jonah** <NS>

4. One form of beta decay produces electrons from these particles. For 10 points each:

[10] Name these baryons (“BARE-ee-ons”) which are made up of two down quarks and a single up quark. These neutral particles exist in the nucleus.

ANSWER: **neutrons**

[10] The subatomic quarks in neutrons are governed by this force, whose gauge boson (“BOH-sawn”) is the gluon. Quantum chromodynamics (“kroh-moh-di-NAM-iks”) is the field theory for this force.

ANSWER: **strong** nuclear force

[10] The strong force notably does not violate the symmetry of these two quantities, which are often paired with time. Therefore, after flipping the signs of these two quantities in the strong force, the laws of physics remain the same. Name both.

ANSWER: **charge** or **parity** [accept **CP** symmetry] <AG>

5. Answer the following about Queen Elizabeth's corgis, the last of whom died in October 2018, for 10 points each:  
[10] The Queen's corgis were descended from a corgi with this name that Elizabeth received at age 18. In the *Harry Potter* series, a Hufflepuff student with this first name is the niece of Ministry of Magic official Amelia Bones.

ANSWER: **Susan** [accept **Susan** Bones]

[10] Queen Elizabeth's corgis were from a "Pembroke" breed named for this constituent country of the United Kingdom. Her son Charles is known as the "Prince" of this country due to his status as heir apparent to the throne.

ANSWER: **Wales** [or **Welsh**]

[10] A corgi appears on the reverse side of a coin released for the Queen's golden jubilee, a celebration commemorating this many years of rule. The coin was released in 2002.

ANSWER: **fifty** years <JA>

6. Ogden Nash parodied a poem about one of these objects by stating "I think I shall never see, a billboard as lovely as" one of them. For 10 points each:

[10] Name these plants that title a Joyce Kilmer poem which describes one of them "that looks at God all day and lifts her leafy arms to play."

ANSWER: **trees** [accept specific types of trees]

[10] This Robert Frost poem states that "one could do worse than be a swinger of" the title trees.

ANSWER: "**Birches**"

[10] This author stated "Cleave the tough greensward with the spade" in his poem "The Planting of the Apple-Tree." He claimed that an oak tree "shall send his roots abroad" in a poem whose title translates to "meditation upon death."

ANSWER: William Cullen **Bryant** [That poem is "Thanatopsis"] <NS>

7. The giant impact model suggests that the moon is comprised of 70% of the remnants of this object. For 10 points each:

[10] Name this hypothetical planet which collided with Earth in the Big Splash to form the moon.

ANSWER: **Theia** ("THAY-uh")

[10] The giant impact model also explains why this part of earth is so big. It is an 5700 Kelvin ball mostly made of iron and nickel.

ANSWER: **inner core** [prompt on **core**; do NOT accept "outer core"]

[10] The rotating outer core, driven by heat from the inner core, creates this entity which protects the earth from charged particles emitted by the sun.

ANSWER: the Earth's **magnetic field** [accept **magnetosphere**; or **geomagnetic field**] <GC>

8. This character is in love with Charlotte, despite the fact she is married to Albert. For 10 points each:

[10] Name this character who commits suicide with a pistol Charlotte sent him and is buried under a linden tree.

ANSWER: **Werther** ("VAIR-tair") [or Young **Werther**]

[10] *The Sorrows of Young Werther* is a play by this German playwright and polymath who served in the court of Weimar ("VYE-mar").

ANSWER: Johann Wolfgang von **Goethe** ("GUR-tuh")

[10] In Goethe's play *Faust*, the title scholar sells his soul to this religious figure by signing a contract with blood.

ANSWER: **Mephistopheles** [or **Satan**; or the **Devil**; or **Lucifer**] <WG>

9. The leader of a revolt in this country was captured outside the Yugoslav embassy. For 10 points each:  
[10] Name this country, where Imre Nagy (“em-ray nahj”) led a failed revolt that was ended by the arrival of Soviet tanks in Budapest.

ANSWER: **Hungary** [or Republic of **Hungary**; or **Magyarország**; or **Magyar** Koztarsasag]

[10] Soviet premier Leonid Brezhnev also deployed troops to end this 1968 event, which was spurred on by Alexander Dubcek’s (“DOOB-chek’s”) reforms to create “socialism with a human face.”

ANSWER: **Prague Spring** [or **Prazske jaro**; or **Prazska jar**]

[10] The Soviets chose not to use military force in response to the rise of this political movement during the 1980s. This movement began as a trade union and was led by Lech Wałęsa (“lek vuh-WEN-suh”).

ANSWER: **Solidarity** [or **Solidarnosc**; or the Independent Self-Governing Trade Union **Solidarity**; or Niezależny Samorząd Związków Zawodowych **Solidarność**] <GP>

10. A “hill” on a Frost diagram suggests that a compound is able to undergo one of these reactions. For 10 points each:

[10] Name these reactions in which a reactant is simultaneously oxidized and reduced.

ANSWER: **disproportionation** [or **dismutation** or word forms]

[10] Many organic disproportionation reactions have one of these compounds as the reactants. They contain a carbonyl group at the end of a hydrocarbon chain.

ANSWER: **aldehydes** (“AL-de-hydes”)

[10] Aldehydes consist of a carbon and an oxygen connected by one of these bonds. These bonds are made up of a sigma bond and a pi bond, and the presence of this kind of bond between two carbon atoms exemplifies an alkene.

ANSWER: **double** bond <GC>

11. This country owns the islands of Saaremaa and Hiiumaa, and contains a university established by Gustavus Adolphus in Tartu. For 10 points each:

[10] Name this smallest of the three Baltic States. It lies north of both Latvia and Lithuania.

ANSWER: **Estonia**

[10] The Estonian capital of Tallinn lies on this gulf, an eastern extension of the Baltic Sea. It is named for a Scandinavian country whose capital is Helsinki.

ANSWER: Gulf of **Finland**

[10] Estonia’s eastern border is largely defined by this lake, which served as the setting for the 1242 Battle of the Ice after freezing over. Estonia shares this lake with neighboring Russia.

ANSWER: Lake **Peipus** (“PI-pus”) <JA>

12. Freyr (“frair”) owned a golden one of these animals named Gullinbursti (“goo-lin-BURST-ee”). For 10 points each:

[10] What sort of animal is Saehrimnir (“sai-RIM-nir”), who is killed, eaten and resurrected every night? Another one of these creatures in Greek mythology was killed by Meleager (“mel-ee-EY-ger”) and Atalanta.

ANSWER: **boar** [accept **pig**, **swine**, or **sow**]

[10] Gullinbursti is made by Brokkr and Eitri (“ay-EE-tree”), who were competing against this group of dwarves who created the spear Gungnir (“GOONG-neer”), Sif’s golden hair, and Freyr’s boat Skidbladnir (“SKEED-blahd-nir”).

ANSWER: the **sons** of **Ivaldi**

[10] Gungnir belonged to this chief Norse god and father of Thor.

ANSWER: **Odin** [or **Wotan**; or **Woden**; or **Wuotan**] <GC>

13. This woman was the dedicatee of Jennifer Higdon's Pulitzer Prize-winning violin concerto. For 10 points each:  
[10] Name this American violinist who "plays Bach" in both her 1997 breakout debut and a critically acclaimed 2018 album.

ANSWER: Hilary **Hahn**

[10] In a viral video, Hahn uses a hula hoop while performing this composer's 24th caprice. This violinist was so skilled that rumors spread saying he sold his soul to the Devil.

ANSWER: Niccolò **Paganini**

[10] Hahn's album *In 27 Pieces* consists entirely of these short pieces. Musicians perform these pieces when returning to the stage, often due to a positive reaction from the audience.

ANSWER: **encores** <WG>

14. In this film, the protagonist's friend Goh Peik Lin is played by the rapper Awkwafina. For 10 points each:

[10] Name this 2018 movie about the professor Rachel Chu, who discovers her fiance Nick's family in Singapore is very wealthy.

ANSWER: ***Crazy Rich Asians***

[10] Rachel tells Nick's mother Eleanor that she declined his proposal while playing this game originating from China. In this game, players must place 14 tiles into four sets and one pair.

ANSWER: **mahjong** [or **Mah Jongg**]

[10] Many articles compared the expensive costumes of *Crazy Rich Asians* to this 2006 movie, in which Meryl Streep plays a demanding fashion magazine editor who has a personal assistant played by Anne Hathaway.

ANSWER: *The **Devil Wears Prada*** <WG>

15. Eight carvings of soapstone eagles from this city's ruins are the basis for its country's national emblem. For 10 points each:

[10] Name this city, which contains many large stone structures. It was built by the ancestors of the Shona people.

ANSWER: **Great Zimbabwe** [do NOT accept or prompt on "Zimbabwe"]

[10] Great Zimbabwe was built by the Shona, a subgroup of the Bantu, whose migration was sped up by the development of tools made of this metal. This metal's "age" followed the Bronze Age.

ANSWER: **iron** [or **Iron** Age]

[10] The only soapstone birds to be removed from Zimbabwe were originally sold to this diamond magnate. The colonial region of Zimbabwe and its successor state were named for this head of the British South Africa Company.

ANSWER: Cecil **Rhodes** [or Cecil John **Rhodes**; or **Rhodesia**] <JA>

16. Answer the following about the Vedas, for 10 points each:

[10] The Vedas are the sacred texts of this religion, the most widely practiced faith in India.

ANSWER: **Hinduism**

[10] The Vedas were said to be sung out of the four heads of this Hindu creator god, who is often depicted riding on a swan.

ANSWER: **Brahma**

[10] The Vedas discuss extensively about the relationship between *brahman*, the ultimate cosmic reality, and *atman*, or this concept. This concept was called *ka* in Ancient Egyptian religion and protected through mummification.

ANSWER: the **soul** [or inner **self**; or **spirit**] <GP>

17. This period took place during the harsh winter of 1609-1610. For 10 points each:

[10] Name this two-word period where the scarcity of food may have led to desperate efforts such as cannibalism. Lord De La Warr was instrumental in the relief of this period.

ANSWER: **Starving Time**

[10] This settlement in the Virginia colony faced the Starving Time. Earlier leaders of this colony included John Smith, and it was located on lands then belonging to the Powhatan Confederation.

ANSWER: **Jamestown**

[10] The cash crop tobacco was introduced to Jamestown by this Englishman, who married Pocahontas.

ANSWER: John **Rolfe** <AN>

18. Answer the following about artists who did not use their real names when producing artworks, for 10 points each:

[10] Rose Sélavy was the feminine alter ego of this artist, who painted a mustache over the *Mona Lisa* in his *L.H.O.O.Q.* His “readymade” *Fountain* is a urinal he signed with the name “R. Mutt.”

ANSWER: Marcel **Duchamp**

[10] The Guerrilla Girls created a poster depicting the subject of this painting wearing a gorilla mask with the message “Do women have to be naked to get into the Met Museum?” The subject of this 1819 painting is a reclining nude drawn with too many vertebrae.

ANSWER: *La Grande Odalisque* [by Ingres]

[10] This mysterious graffiti artist created installations like *Dismaland*, a “bemusement park” exhibition.

ANSWER: **Banksy** <NS>

19. Friedrich Wöhler (“VER-ler”) disproved vitalism by reacting silver cyanate with ammonium chloride to synthesize this organic compound. For 10 points each:

[10] Name this compound which is produced along with ornithine from the reaction of arginine (“AR-juh-noon”) and water in a namesake metabolic cycle.

ANSWER: **urea** (“yoo-REE-uh”) [or **carbamide**, accept **urea** cycle]

[10] Proteins in concentrated urea undergo this process, in which they lose their secondary, tertiary and quaternary structure as a result of a change in environmental conditions.

ANSWER: **denaturation** [or word forms like **denaturing**]

[10] Proteins can also be denatured by a large change in this quantity which, in human blood, is regulated by the bicarbonate buffering system. It is equal to 7 for water.

ANSWER: **pH** <GC>

20. A person with this profession is central to Guatemalan author Miguel Asturias' novel *El Señor Presidente*. For 10 points each:

[10] Identify this occupation held by the protagonist of Augusto Roa Bastos' novel *I, the Supreme*. This type of person names a specific genre of Latin American novels.

ANSWER: **dictator** [or **dictador**; accept word forms; do NOT accept synonyms]

[10] This author wrote a dictator novel called *The General in His Labyrinth*. He also wrote *One Hundred Years of Solitude*.

ANSWER: Gabriel **García Márquez** [prompt on partial answer]

[10] This author's novel *The Feast of the Goat* discusses the impact of the assassination of the dictator Rafael Trujillo (“tru-HEE-yo”). This Peruvian writer portrayed life under the Odría dictatorship in his *Conversation in the Cathedral*.

ANSWER: Mario **Vargas Llosa** (“VAR-gahss YOH-suh”) [prompt on **Llosa**] <NS>