Packet 5

Spartan Housewrite

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Tossups:

1. **In a story set in this city, a man contemplating suicide resolves to help a girl he earlier dismissed after dreaming about being whisked away to utopian planet that he corrupts. In addition to "The Dream of a Ridiculous Man," this city serves as the setting of a story in which the narrator spends four nights with a girl whom he assists in writing a letter to her love interest after he left her at a performance of *The Barber of Seville*. The protagonist of a novel set in this city is informed of his sister's upcoming marriage to (\*)** Luzhin before sending a letter defending his article about the rights of extraordinary men to commit crimes to a detective named Porfiry Petrovich. The story "White Nights" is set in, for 10 points, what Russian city, where Raskolnikov kills Alyona at the beginning of *Crime and Punishment*?
ANSWER: **St. Petersburg** [or **Sankt-Peterburg**]

2. **Along with the tympani, this instrument's only appearance in Faure's Requiem is during the *Libera Me* section. In one concerto, this instrument opens with the ascending notes [read slowly] B-flat, D, F, A, B-flat and is accompanied by three clarinets playing a B-flat major chord in triplets. A group of these instruments play the opening section of Verdi's overture to *Nabucco* and the first forte section 37 bars into Wagner's overture to *Tannhauser* (Tawn-hoy-ser). This instrument plays an arpeggiated B-flat chord to open the (\*)** *Tuba Mirum* section of Mozart's Requiem. The modern incarnation of this instrument, whose older relatives include the sackbut, is said to have made its orchestral debut along with the piccolo in the fourth movement of Beethoven's 5th symphony. For 10 points, name this brass instrument played by adjusting a slide.
ANSWER: **trombone**

3. **Gendicine is an AAV vector encoding this protein. It’s not CHEK2 ("check"-two), but the Chompret criteria are used to diagnose inherited mutations in this protein. A zinc atom binds to the H1 helix and L3 loop of this protein, a region which also binds to the co-repressor LMO3. Adrenal carcinomas in children are most often caused by a germline mutation in this protein; said mutations can also cause soft tissue sarcomas and osteosarcomas as part of (\*)** Li-Fraumeni syndrome. This protein forms a tetramer via its oligomerization domain. Serine 15 on this protein is phosphorylated by ATM kinase, and this protein is degraded by the ubiquitin ligase MDM2. This transcription factor activates expression of p21, which in turn leads to arrest at the G1/S **(G-1-S)** phase. For 10 points, name this innocuously-named tumor suppressor, the "guardian of the genome."
ANSWER: **p53**

4. **Immigrants from Picardy who covertly practiced the Adamite heresy may have influenced this movement. This movement lost the Battle of Lipany, and moderate elements of this movement signed the Compacts of Basel. After its founder's death, this movement underwent a split between a faction named for a fortified town on the Lužnice (loozh-nee-cheh) River and the less radical Utraquists. This movement's leaders included Prokop the (\*)** Shaven and Jan Žižka **(yahn zheezh-kah)**, and this movement pioneered the use of cannons mounted on wagon forts. This movement’s Taborite faction continued armed resistance for the longest. This movement denied Emperor Sigismund's authority as King of Bohemia, and the founder of this movement was burned at the stake at the Council of Constance. For 10 points, name this early Czech protestant movement.
ANSWER: **Hussites** [anti-prompt on Taborites before mention by asking “can you be less specific?”]

5. **In Sumerian mythology, the messenger Ninshubur attempts to persuade Enki to perform *this action* three days after an episode featuring Inanna giving up her lapis lazuli jewelry and clothes to Neti, and the Annunaki. In Phrygian mythology, Zeus turned Attis into violets after a wedding, instead of performing this action as requested by Rhea. In another myth, Hermód, the servant-son of Odin, is challenged by Módgud while on the Gjallarbrú (gyaa-laar-broo), before he fails in one instance of this action due to the unwillingness of a certain character to (\*)** weep. In another story concerning this action, Nephthys assists in an attempt to do this action for her brother, after her husband transformed into a huge monster and scattered him. In Greek mythology, Apollo gifted his son a lyre that would aid him in his failed attempt to do this action to his wife, Eurydice **(“Yur-rid-i-see”)**. For 10 points, which action was attempted by Frigg, Isis, and Orpheus following the death of a loved one.
ANSWER: **resurrection** or **being brought back to life** [accept logical equivalents such as "**being brought out of the underworld or hell**"]

6. **A composer from this country wrote an opera about the Innkeeper's daughter falling in love with the titular Mandarin's Son. Francesco Araja's opera based on Ovid's *Metamorphoses* titled *Cephalus and Prokris* was premiered during his long stint in this country. In an opera by a composer from this country, King Rene's daughter is the title Iolante. In a ballet from this country, two Englishmen have a drug induced experience with the title Pharaoh's Daughter. The music for many ballets from this country, such as *Don Quixote* and *The Temple Dancer* were composed by (\*)** Ludwig Minkus. A ballet from this country includes the "Rose Adagio". While working in this country, Marius Petipa choreographed ballets that premiered in the Bolshoi Theatre such as *The Sleeping Beauty*, while another ballet from this country includes the *Dance of the Sugar Plum Fairy.* For 10 points, name this home country of Pyotr Ilyich Tchaikovsky.
ANSWER: **Russia** [do not accept or prompt on Soviet Union or USSR]

7. **The waiter Gennaro dies after trying to release the boy Eustace into the wild after Eustace was visited by the god Pan in this man's short story "The Story of a Panic." A science fiction story by this author, features Kuno telling his mother the title phrase before civilization ends. The protagonist of another of his stories returns to his deceased brother after being offered the choice to go through two gates following his crossing of the title boundary. Along with "The Machine Stops" and (\*)** "The Other Side of the Hedge," a story by this author features Dante saying "I am the food and not the life" to Mr. Bons, who dies after stepping out of the title vehicle, "The Celestial Omnibus." In a novel by this man, Lucy Honeychurch and George witness a murder before eventually getting married. For 10 points, name this author of *A Room With a View*.
ANSWER: Edward Morgan **Forster** [or E.M. **Forster**]

8. **The construction of a railway tunnel under this body of water has led to the indefinite closing of the Sirkeci (seer-kedge-ee) railway station in favor of one at Halkalı (hal-kal-uh). This body of water is lined by 620 waterfront mansions called *yalı* (yal-uh). In 2016, one crossing over this body of water was renamed the "15th of July Martyrs Bridge". The northern limits of this body of water are delineated by the Rumeli and (\*)** Anadolu lighthouses, named for the regions on either side of it. The neighborhood of Galata lies in a bend of the Golden Horn, an estuary which flows into this body of water. The Marmaray and Eurasia tunnels run under this body of water, which splits a certain city into European and Asian sides. For 10 points, name this strait which divides Istanbul and connects the Marmara with the Black Sea.
ANSWER: the **Bosporus** [or **Bosphorus**, or **Strait of Istanbul** or **İstanbul Boğazı** before "Istanbul"]

9. **One activist from this country declared a "parliament of women" and forced this country's all-male legislature to pass a women's suffrage bill by shutting it down for 12 hours. Another feminist from this country wrote the memoir *Notes from the Women's Prison* in eyeliner on a roll of toilet paper after being denied access to writing supplies. The activist Huda Shaarawi caused a mass panic in this country in 1923 by removing her hijab in this country's capital, and Nawal (\*)** el Saadawi ran for this country's presidency several times in the late 20th century on a women's rights platform. Mass demonstrations of women in this country supported the Wafd Party, and other women's demonstrations opposed this country's last king, Farouk. This country's president Hosni Mubarak, hired paramilitaries to beat women who participated in protests against him. For 10 points, name this country where Doria Shafik was expunged from historical memory for criticizing President Gamal Abdel Nasser.
ANSWER: **Egypt**ian Arab Republic [accept **Misr**, **Kingdom of Egypt**]

10. **Two instances of this functional group and two benzene rings appear in a compound created via an unusual 5,5-sigmatropic migration, called benzidine. Troger's base unusually contains this functional group at bridgeheads. A derivative of naphthalene containing two of this functional group creates the Proton Sponge. Aqueous sodium hydroxide mixed with benzene sulfonyl chloride is used to detect this functional group in the (\*)** Hinsberg test. This functional group is cleaved from an alkylated phthalimide in the Gabriel synthesis. Depending on the number of alkyl groups attached, this functional group can be primary through quaternary, and they appear alongside a carboxyl in the building blocks of proteins. For 10 points, name this functional group consisting of a carbon single bonded to nitrogen.
ANSWER: **amine** [accept any of **primary**, **secondary**, **tertiary**, or **quaternary** **amine**]

11. **A passage in the Atharva Veda describes how a hundred instances of this deity are born with a mortal at their birth, and distinguishes "auspicious" and "unlucky" instances of this deity. Along with Varuni and the Apsaras, this deity emerged from the ocean of milk. This deity is associated with a figure named Sri who distributes her talents among the other gods. This deity is also known as (\*)** Padma, a name which refers to the fact that she is often depicted atop a lotus. A symbol comprised of two overlapping squares is sometimes used to represent the eight aspects of this deity. In Hinduism, this goddess is worshipped during Diwali. This goddess, with Parvati and Saraswati, is part of the Tridevi. For 10 points, identify this Hindu goddess of wealth and good fortune, the wife of Vishnu.
ANSWER: **Lakshmi** [or **Sri** until mentioned]

12. **One Native American group from this state developed the *tomol*, a variety of ocean-going canoe that they used to escape to offshore islands after a revolt among them failed in 1824, and this state's Nisenan people were formed into a militia commanded in German in the 1840s. Another tribe in this state killed General Edward Canby in a war during which they were led by Captain Jack. This state's Native Americans were known pejoratively as "diggers," and this state's Wintu people were targeted by the Bridge (\*)** Gulch Massacre. The Modoc War was fought in this state, and this state's Chumash people migrated regularly from its mainland to its Channel Islands. One magnate in this state enslaved thousands of Native Americans at his "New Switzerland" colony; that magnate was John Sutter. For 10 points, name this state in which an 1849 gold rush led to the death of most of its Native Americans.
ANSWER: **California**

13. **Den Uyl notes that this work's author thought the majority of men were not rational yet believed that men could form a social contract. In one section of this larger work, the author confesses he does not understand the manner in which some churches speak of Christ. That section of this work says natural knowledge "may be entitled Prophecy." This work notes the collaboration between government and the priesthood to punish those that disagree with doctrine with "sedition." According to this work, the Bible teaches only (\*)** "obedience" *to* God and not knowledge *about* God. This work argues for a clear separation between theology and philosophy and dismisses the idea that Moses wrote the Torah. For 10 points, what work published prior to its author's *Ethics* contains arguments about scriptural interpretation and religious toleration that was written by Baruch Spinoza?
ANSWER: ***Tractatus Theologico-Politicus*** [or ***Theological-Political*** *Treatise*, prompt on Spinoza's Tractatus; do NOT accept *Tractatus Politicus* as that's a different book by Spinoza]

14. **It's not "infinite", but a potential described by this word has a constant term equal to the square root of 2 m E over h bar squared and has a Bessel function of the first kind of sine of *z* over *z*. A symmetric solution named after this adjective that satisfies the vacuum field equations must be flat according to one theorem. When azimuthal symmetry is not present, an associated (\*)** Legendre polynomial evaluated at a cosine theta term is the theta function after a separation of variables is used to solve Laplace's **(La-plass)** Equation in coordinates named after this adjective. That equation is often used alongside pairwise orthogonal functions named for this adjective which are typically symbolized with a capital Y. A shape named *this* has moment of inertia equal 2 fifths m r squared. For 10 points, what adjective describes a coordinate system with a rho, theta, phi coordinate triple and a shape whose volume is equal to four thirds pi r cubed?
ANSWER: **Spherical** [accept word forms such as **spherical harmonics** or **spherical coordinates**]

15. **A character in this novel remarks that he views his girlfriend as secondary to social revolution, and that she shares the same view. After following the sounds of drums in the jungle, a girl in this novel is hypnotized by a witch doctor who can turn people into zombies. One character in this novel experiences unrequited love for a waiter named Gabriel. This novel includes footnotes that reference Sigmund (\*)** Freud's theories of sexuality and quotes the fictional academic Anneli Taube. At the end of this novel, a man betrayed by a spy dreams of eating food on an island with his lover Marta. Much of this novel consists of plot summaries of films such as *Cat People*. For 10 points, identify this novel that consists of a dialogue between Valentin and Molina and was written by Manuel Puig.
ANSWER: ***Kiss of the Spider Woman*** [or *El* ***beso de la mujer araña***]

16. **A frequent motif of an artist from this country is the presence of a man looking to the right and lifting up his glasses. An artist from this country painted a copy of Napoleon's death mask with a white clouds in a blue sky. In response to negative criticism to a painting of a woman eating oysters, Octave Maus founded an art group in this country. Another artist from this country replaced figures from the Descent from the Cross with skeletons in *Ecce Homo*. Edward (\*)** James was a prominent patron of an artist from this country, who depicted him standing next to a copy of *The Narrative of Arthur Gordon Pym* while staring at a bathroom mirror. A painting from this nation features a crowd walking under a banner that reads "Vive la Sociale." For 10 points, name this country home to Paul Delvaux, James Ensor and Rene Magritte.
ANSWER: **Belgium** (the lead-in refers to the paintings of Delvaux)

17. **In one documentary about this country's history, the CIA agent Archimedes Patti describes his friendship with one of this country's leaders. Frances Fitzgerald's history *Fire in the Lake* argued that this country was uniquely hostile to invaders, and Max Boot's book *The Road Not Taken* argues for the theories of Edward (\*)** Lansdale, who, after a stint in the Philippines, served as a military advisor in this country. Mike Gravel read one official government history of this country into the record of the Senate after it was leaked to the press by Daniel Ellsberg. The memoir *How We Won the War* centers on a conflict in this country and was written by Vo Nguyen Giap **(voh ngwen gyahp)**. For 10 points, name this country where historical disputes have centered on the effectiveness of an American military intervention in the 1960s and 1970s.
ANSWER: **Vietnam** [also accept either of **South Vietnam** or **North Vietnam**]

18. **Research by Altman and Ginat has estimated the rates of different versions of this practice in different societies. Notre Dame anthropologist Agustin Fuentes argues that human nature does not cause us to seek out this practice, but instead culture nudges us towards it. Fuentes also cites a book by Barash and Lipton about *The Myth* of a type of this practice. In books like *Generation Unbound*, economist Isabel Sawhill is a proponent of a "light" version of this practice while (\*)** Margaret Mead suggested a "two-step" version of this practice. In the US, the rate of this practice has held roughly steady for those with a college education, but in total has fallen from about 72 percent of adults to 50 percent in 2016. For 10 points, identify this practice where in Judaism a ketubah may be signed by two witnesses: where a couple "ties the knot."
ANSWER: **Marriage** [anti-prompt by asking "can you be less specific" on "polygamy" or "monogamy"]

19. **A mineral known as ikaite forms in this environment, but decomposes quickly when removed from it. It's not a volcano, but a mining project named Solwara in this environment seeks to extract metals from a type of "massive sulfide deposits" named for it. The most remote parts of this environment are home to a sediment known as red clay. Methane can enter this environment through cold (\*)** seeps. Interest in mining in this location is partially spurred by the presence of manganese nodules which cover it in places. Parts of this location are covered by a type of sediment which has siliceous and calcareous types; that type of sediment is known as "ooze." Giant tube worms live in hydrothermal vents in this location. This location is home to benthic organisms, which include cumaceans, echinoderms, and crustaceans such as lobsters. For 10 points, identify this location, to which whales and other sea creatures might fall if they die.
ANSWER: the **seabed** [or the **seafloor**, or the **ocean floor**, or the **bottom of the ocean**, or similar descriptive answers; accept **benthic zone** before "benthos" and prompt afterwards; prompt on The Ocean or The Sea]

20. **One character in this play tells a man "real love isn't ambivalent," which turns out to be a quote from a "bestselling paperback novel" set in the deep South. When addressing a man who traces his lineage to the Bayeux Tapestry, a character in this play often repeats the refrain "The Great Work Begins." Another character in this play has hallucinations about being guided in Antarctica by Mr. Lies. Hannah sells her home in order to find her son and her (\*)** Valium-addicted daughter-in-law living in Brooklyn in this play. A man in this play lies and claims his illness is liver cancer and later dies after Ethel Rosenberg sings to him. In this play, Louis begins a relationship with the Mormon lawyer Joe after leaving Prior Walter, who had just been diagnosed with AIDS. For 10 points, name this "Gay Fantasia on National Themes" by Tony Kushner.
ANSWER: ***Angels in America***[anti-prompt on *Millennium Approaches* or *Perestroika* alone; accept either if said with ***Angels in America***]

Bonuses:

1. A genre of prayer unique to these people is the supplicatory *tkhine*. For 10 points each:
[10] Identify these people through which Jewishness is traditionally inherited. In progressive Judaism, these people might get to have a bat mitzvah.
ANSWER: Jewish **women** [or **wife** or **wives** or **daughter**s or **mother**s or **girl**s or***isha*** or ***nasim*** or ***nashim*** or ***kol isha***]
[10] This Hebrew term, meaning "moved" or "separated", refers to women who are undergoing menstruation and are therefore impure. Sexual intercourse with women with this status is forbidden.
ANSWER: **niddah**
[10] Women can achieve ritual purity following menstruation by taking this action using a *mikvah*. Undergoing this action in a *mikvah* is also required upon conversion to Judaism.
ANSWER: **bathing** [or **washing**, or synonyms]

2. This mathematician's namesake sets can be formed from the countable union or countable intersection or relative complement of closed or open sets. For 10 points each:
[10] Name this French mathematician who, with Heine, names a theorem that says that a closed and bounded segment of a Euclidean space is compact.
ANSWER: Émile **Borel**
[10] An important result in analysis relates the existence of Borel sets to algebras described by this letter. The capital form of this Greek letter is used to designate summation.
ANSWER: **sigma** [accept **sigma algebra** or The **Borel Sigma Algebra**]
[10] This other French mathematician names a class of sets in measure theory most frequently defined as the sets which form the smallest sigma-algebra such that every compactly supported continuous function is measurable.
ANSWER: René-Louis **Baire** [accepts **Baire sets**]

3. Answer some questions about everyone's favorite member of the Byzantine Komnenos family, Anna, for 10 points each:
[10] Anna is best known for writing a history of her father Alexios' reign, focusing on his role in this crusade which was called by Pope Urban II at the Council of Clermont.
ANSWER: **First Crusade**
[10] Anna and her mother Irene attempted to place Anna's husband Nikephoros on the throne in a coup against her brother with this name. An earlier emperor with his name of the Tzimiskes family came to power after assassinating Nikephoros II.
ANSWER: **John** [accept **John II** the Good]
[10] Anna was originally slated to marry a man from this prominent family named Constantine who co-ruled with his father Michael VII. The emperor Constantine X was also a member of this family, as was Anna's mother Irene.
ANSWER: **Doukas** [accept word forms like **Doukai** or **Doukania**]

4. A "Valley of" these features in Kamchatka, the only place in Asia where they can be found, was partially covered by a 2007 mudslide. For 10 points each:
[10] Identify these hydrological features. An area in northern Chile where they are located is called El Tatio, derived from the Quechua **(Kay-chwa)** word for "oven."
ANSWER: **geyser**s
[10] El Tatio is located in a "volcanic zone" partially named for this high plateau stretching across parts of Peru, Bolivia, and Chile. Its features include Lake Titicaca and the Salar de Uyuni salt flats.
ANSWER: The **Altiplano** [or the **Collao**]
[10] This geyser in Yellowstone National Park is famous for, and named to reflect, its highly predictable eruptions, the intervals between which follow a bimodal distribution and alternate between long and short.
ANSWER: **Old Faithful**

5. The title story of this collection features a book in the Royal Library of Sweden that describes the lives of every person, including the narrator's father. For 10 points each:
[10] Identify this short story collection that attempts to "piece together the hybrid identity of the Balkans," written by Danilo Kiš **(keesh)**.
ANSWER: *The* ***Encyclopedia of the Dead*** [accept ***Enciklopedija mrtvih***]
[10] *The Encyclopedia of the Dead* opens with a story about Simon Magus, who appears on paper money in the second part of this German playwright's *Faust*.
ANSWER: Johann Wolfgang von **Goethe** **(“Ger-tuh”)**
[10] Kiš includes the anti-Semitic Sergei Nilus in one story from *The Encyclopedia of the Dead*. Nilus' epilogue to the *Protocols of the Elders of Zion* is quoted in this Umberto Eco novel about the employees of Garamond Publishing who create a conspiracy theory called "The Plan."
ANSWER: ***Foucault's Pendulum*** [accept Il ***pendolo di Foucault***]

6. A notable use of this artistic effect is in a painting of the Dead Christ. For 10 points each:
[10] Name this visual effect that, due to the angle of the depicted figure or object, makes features closer to the viewer appear larger and those farther from the viewer appear smaller.
ANSWER: **Foreshortening** [prompt on perspective or depth]
[10] This artist famously used foreshortening in his *Dead Christ*. He also painted three scenes of St. Sebastian tied to a column.
ANSWER: Andrea **Mantegna**
[10] This artist wears orange robes in his *Self-Portrait as Saint Sebastian*, which he used to advertise for an exhibition at the Galerie Arnot. He frequently used his lover Wally Neuzil as a model in his erotic portraits.
ANSWER: Egon **Schiele**

7. Answer the following about Senegalese musicians for 10 points each:
[10] In this song, which is interrupted by the beat briefly going off and the artist shouting “oh fuck! Shit! Bitch!”, Sheck Wes, a rapper descended from Senegalese immigrants, compares his “ballin” to the title Orlando Magic player.
ANSWER: “**Mo Bamba**” [do NOT accept “Mohamed Bamba”]
[10] This band, which released an unrelated album titled “Mouhamadou Bamba”, is named for the Dakar club they served as the house band for. Thione Seck became a popular *mbalax* **(m-bah-lakh)** singer after leaving this band.
ANSWER: **Orchestra Baobab**
[10] This founder of the Lighting Africa initiative and performer of songs including “I Wanna Love You” and “Smack That” was born in Saint Louis, Senegal. He was featured on The Lonely Island’s “I Just Had Sex” and in 2010, this artist released a song to promote the radical centrist group No Labels.

ANSWER: **Akon**

8. The Banyamulenge **(“Ban-ya-moo-len-gay”)** are a subgroup of this ethnic group that has been targeted by the Mai-Mai militia in their native North Kivu province. For 10 points each:
[10] Name this ethnic group who were also the targets of a campaign of terror by a group whose name translates as "those who work together" called the Interahamwe. That campaign was ended by this group’s RPF militia.

ANSWER: **Tutsi** [prompt on, but do not reveal, **Banyarwanda**]
[10] The Interahamwe participated in mass killings of Tutsi in this East African country now led by the former Tutsi rebel Paul Kagame. An ideology of "Hutu power" was developed in this country by media outlets like Radio Mil Colonnes.
ANSWER: **Rwanda**
[10] The Rwandan Genocide began after a plane crash under suspicious circumstances killed this president of Rwanda who had earlier signed the Arusha Accords with the RPF along with the president of Burundi, Cyprien Ntaryamira **(en-tar-yah-mee-rah)**.
ANSWER: Juvenal **Habyarimana** [be somewhat lenient with pronunciation]

9. These structures sometimes contain ultraviolet patterns visible to pollinators, and the CONSTANS gene promotes the formation of these structures. For 10 points each:
[10] Name this usually colorful plant structure that contains carpals, sepals, and petals. The way in which these structures are arranged on a plant is called inflorescence.
ANSWER: **flower**
[10] This model of flower development helps to define the growth of the flower's organs by tracking three groups of homeotic genes. The three sets of genes involved have overlapping areas of expression.
ANSWER: **ABC** model of flower development
[10] This type of flower whorl is produced when the A and B gene groups work together and can produce either radially or bilaterally symmetric plant parts. This collection of petals is tube shaped in *Compositae* species.
ANSWER: **corolla** [prompt on "petal whorl" or just "whorl"]

10. This poet wrote "The waterfall tresses over the night / While the night beds to rest" in a long poem illustrated by Pablo Picasso. For 10 points each:
[10] Identify this author of *Altazor* who led the Chilean literary movement *Creacionismo*.
ANSWER: Vicente **Huidobro**
[10] Huidobro claimed that this other Chilean poet plagiarized Tagore while writing his *Twenty Love Poems and a Song of Despair*, which this poet published at age 19.
ANSWER: Pablo **Neruda** [or Ricardo Eliécer Neftalí **Reyes** Basoalto]
[10] Pablo Neruda took his pen name from Jan Neruda, a poet who wrote in this language. A play in this non-English language is about Hugo Pludek who becomes the leader of the Central Inauguration and Liquidation Committee, titled *The Garden Party*.
ANSWER: **Czech**

11. Answer the following related to the philosophical Kyoto school of thinkers like Kitaro Nishida and Keiji Nishitani for 10 points each.
[10] Nishitani helped teach this 20th century German philosopher about the concept of "Zen." In his most notable work, this philosopher defines a concept as "being-in-the-world" that he describes as "dwelling."
ANSWER: Martin **Heidegger** (the concept is "Dasein")
[10] The Kyoto School was also heavily influenced by the Mahayana, and more specifically Zen and Pure Land, branches of this religious tradition.
ANSWER: **Buddhism** [accept specific branches or variants of **Buddhism** such as **Pure Land Buddhism**]
[10] In the Kyoto school, this Buddhist concept was part of Three-Fold Topology" with Being and Nihility. According to the Rowe's contingency dilemma, a world that could be described by this similar English word exists.
ANSWER: **Sunyata** [also accept English translations like **Nothingness** or **Voidness**; also accept general statements like "**not existing**" or "**lack of something**"]

12. In this speech, the title question was answered with "a day that reveals to him, more than all other days in the year, the gross injustice and cruelty to which he is the constant victim." For 10 points each:
[10] Name this speech, which declared "your shout of liberty and equality" to be "hollow mockery," and that "[t]here is not a nation on the earth guilty of practices more shocking and bloody" than the United States.
ANSWER: "**What, to the slave, is the Fourth of July?**" [or "**What, to a slave, is the Fourth of July?**"]
[10] "What, to the slave, is the Fourth of July?" was a speech given by this man, who wrote a *Narrative* of his life as "an American slave" and founded the abolitionist newspaper *The North Star*.
ANSWER: Frederick **Douglass** [or Frederick Augustus Washington **Bailey**]
[10] During the Civil War, two of Douglass's sons served in this black regiment. Robert Gould Shaw led this regiment in an attack on Fort Wagner.
ANSWER: **54th Massachusetts** (Volunteer Infantry) Regiment

13. The work done in this model can be illustrated on a PV graph. For 10 points each:
[10] Name this theoretical engine which contains a hot and cold reservoir and operates at maximum efficiency. Its namesake cycle contains four steps, including isothermal and adiabatic expansion.
ANSWER: **Carnot** heat engine
[10] By reversing the Carnot cycle and applying work from an external force to a heat engine, one can create this device, which is typically used to keep food cold.
ANSWER: **refrigerator** [accept **fridge**]
[10] The Otto cycle, like the Carnot cycle, has adiabatic compression and expansion steps; its other steps are not isothermal but instead have this quality. For an ideal gas undergoing a polytropic process, the process becomes described by this term as the number of particles approaches infinity.
ANSWER: **isochoric** [prompt on anything mentioning "constant volume"]

14. This character does not get to finish telling the story of Sir Thopas before the Host interrupts him to tell him that his rhymes suck. For 10 points each:
[10] Name this character, who then gives a long and boring prose account of Melibee and his wife Prudence.
ANSWER: **Geoffrey** **Chaucer** [accept either name; prompt on the narrator or similar answers]
[10] The character Chaucer serves as the frame narrator of this collection by the real-life Geoffrey Chaucer, in which a group of pilgrims traveling to the shrine of Thomas Becket tell each other stories.
ANSWER: *The* ***Canterbury Tales*** [or ***Tales of Canterbury***]
[10] Chaucer the character isn't just a bad rhymer: in the prologue, he offers this excuse as to why he may not have ordered the pilgrims in his tales by their proper rank. A description is acceptable.
ANSWER: "My **wit is short**, ye may wel understonde" [accept any answers indicating that he is **stupid**]

15. A famous melody in this genre was composed by Franz Xaver Gruber with lyrics written by Joseph Mohr. For 10 points each:
[10] Name this genre. Adolphe Adam wrote a French work in this genre titled *Minuit, chrétiens!*, which has been adapted into the English "Oh Holy Night".
ANSWER: Christmas **carols**
[10] The carol "Vom Himmel hoch, da komm ich her" was written by this prolific hymn composer whose other hymns include "A Mighty Fortress Is Our God."
ANSWER: Martin **Luther**
[10] The procession and recession of Benjamin Britten's *A Ceremony of Carols* both begin with this Latin word that also titles a Christmas cantata by Ralph Vaughan Williams.
ANSWER: **Hodie**

16. Answer the following about the languages of the Iberian Peninsula. For 10 points each,

[10] Similarities between several different ancient Iberian languages from different families have led to the hypothesis that ancient Iberia was one of these regions in which common linguistic traits spread between unrelated languages.

ANSWER: **sprachbund**s

[10] This language spoken in Northwestern Spain is generally considered more similar to Portuguese than Spanish. This was the language most often used by medieval Spanish troubadours, and King Alfonso X of Castile composed poetry in this language.

ANSWER: **Galician** [accept **Galego**]

[10] Crucial evidence for the Iberian sprachbund theory comes from this modern language unrelated to any other extant language. It is spoken in the mountainous region on the French-Spanish border and is also known as Euskara.

ANSWER: **Basque** [accept **Euskara** if the entire bonus wasn’t read]

17. Answer the following about black conquistadors for 10 points each.
[10] The former slave Juan Valiente, after participating in the conquest of Peru, died while fighting this tribe. Wars against this tribe inspired the writing of the *Araucaniad* and were led by Pedro de Valdivia.
ANSWER: **Mapuche**
[10] Juan Garrido, another former slave, introduced wheat to North America and was rewarded with a large farm after participating in this man's 1520 invasion of the Aztec Empire
ANSWER: Hernán **Cortés** de Monroy
[10] The mixed-race Juan Garcia held a post as town crier in this Peruvian city after participating in Pizarro's conquest of the Inca Empire, during which Atahualpa was captured in this city led by a lord who collaborated with the Spanish.
ANSWER: **Cajamarca**

18. The protagonist of this novella works in a library, where a black boy comes in every day to look at a book of paintings by Gauguin. For 10 points each:
[10] Name this novella, titled for a song sung at a college graduation ceremony. It is collected in its title volume with short stories such as "You Can't Tell a Man by the Song He Sings."
ANSWER: ***Goodbye, Columbus***
[10] *Goodbye, Columbus* is by this Jewish-American author of *Portnoy's Complaint*.
ANSWER: Philip Milton **Roth**
[10] In "You Can't Tell a Man by the Song He Sings," it is revealed that the teacher Russo had been a member of this group. One of Roth's Zuckerman novels is titled for the tell-all memoir Eve Frame writes about her marriage to Ira Ringold, a member of this group.
ANSWER: **Communist** Party of the United States of America [or **Communists**; accept ***I Married a Communist***; accept **Marxist**s]

19. This quantity is independent of reactant concentration in zero-order reactions. For 10 points each:
[10] Name this quantity, which is usually calculated using reaction-specific laws containing a constant symbolized lowercase k. Said laws to calculate this quantity also give the order of the reaction when the exponents are added.
ANSWER: reaction **rate** [accept **rate** constants or **rate** law]
[10] A method of calculating reaction rates involves analyzing these surfaces, which plot energy against a reaction coordinate. Saddle points on these surfaces correspond to transition states.
ANSWER: **potential energy** surfaces [or **PES**]
[10] A powerful method of studying transition states is femtochemistry, which was pioneered by this Egyptian-American scientist and Caltech professor.
ANSWER: Ahmed Hassan **Zewail**

20. In one work, this performance artist invited people to cut pieces of her clothes off with scissors. For 10 points each:
[10] Name this artist who performed *Cut Piece*. Annie Leibovitz photographed this artist with her husband, John Lennon, for *Rolling Stone*.
ANSWER: **Yoko** **Ono** [accept either]
[10] Leibovitz shot a controversial photo of Gisele Bündchen and LeBron James that drew comparisons to King Kong for this fashion magazine. Anna Wintour has been editor-in-chief for this magazine since 1988.
ANSWER: ***Vogue***
[10] This German-American photographer for Vogue was known for his sexually-charged black-and-white photographs, such as his *Big Nude II*.
ANSWER: Helmut **Newton**