

## Berus-Lie Academic Spring Tournament (BLAST)

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### Packet 2: You are wrong for not mirroring it.

#### Tossups

1. **This thinker identified the practice of magic as opposed to religion by the lower classes as a hindrance to progress in Asia. This thinker described secularization and the decline of mysticism as “disenchantment” in his analysis of modernization. This thinker identified charismatic, traditional, and legal authority as ways in which a (\*) “monopoly on the legitimate use of force” is maintained by states. This thinker introduced the idea of a bureaucratic “iron cage” in a work in which he wrote that a belief in predestination led to the development of industrial market economies. For 10 points, name this sociologist who wrote *Politics as a Vocation* and *The Protestant Ethic and the Spirit of Capitalism*.**

ANSWER: Max Weber <SL, Social Science> {Thought, Social Science}

2. **The most comprehensive law code in this empire was developed by a local ruler nicknamed the “Flower Poet.” That ruler helped form the Triple Alliance that would lead this empire after the conclusion of the Tepanec War. This kingdom’s culture was depicted in the Florentine Codex, while Bernal Diaz del Castillo’s catalogues of this empire describes (\*) La Malinche’s help of the invaders who ultimately conquered it. This empire fell after its final ruler, Montezuma II, was defeated by Spanish conquistador Hernan Cortes. For 10 points, name this Mesoamerican civilization located in modern day Mexico with capital at Tenochtitlan.**

ANSWER: Aztec Empire <AN, World History> {History, World History}

3. **A complex of this metal and chlorine is used as a milder alternative to aluminum trichloride in Friedel-Crafts reactions. The “fip” [fip] dimer includes two groups containing this metal bonded to a five-membered ring in a half-sandwich conformation while another compound with this element in the center was the first metallocene synthesized. Pearlite, austenite, and cementite are formed from (\*) carbon and this element, which is bonded to cyanide in Prussian blue. The powdered form of this element catalyzes the Haber-Bosch process. This element’s disulfide is the mineral pyrite, while its oxides include hematite and magnetite. The primary metal in steel is, for 10 points, what element with symbol Fe?**

ANSWER: iron [accept Fe until mentioned] <DB/KL, Chemistry> {Science, Chemistry}

4. **A composer from this country began a work with the descending notes E-flat, D-flat, B-flat harmonized in parallel fifths in a fanfare featuring 25 brass players. That composer from this country sent over 700 letters to a young woman who inspired him in a suddenly prolific final decade of his life. Another composer from this country included works titled *Šárka* [SHAR-kah] and *Tábor* in a nationalist cycle of tone poems based on locations in this country. This home country of the composer of a five-movement (\*) *Sinfonietta* is also home to the composer of a tone poem in which flutes imitates the flow of the title river; that work appears in *Má vlast* and is titled “*Die Moldau*” [dee “MOLE”-dow]. For 10 points, name this home country of Leoš Janáček and Bedřich Smetana, the latter of whom lived in Prague.**

ANSWER: Czech Republic [accept Czechoslovakia, accept Czechia] <ES, Auditory Fine Arts> {Fine Arts, Auditory Fine Arts}

5. A character created by this author plays "Bonnie Dundee" on the bagpipes to serenade a woman he falls for after seeing her write his name in the snow. A character declares "oh! the human race shall be delivered, uplifted, and consoled" in a rousing speech from a novel by this author that also has a section lamenting the waste of human feces. Gilliat fights with an octopus in the course of retrieving an engine from a shipwreck in this author's novel (\*) *Toilers of the Sea*. The protagonist of a novel by this author is given silver candlesticks by the bishop of Digne and flees from inspector Javert with Fantine's illegitimate daughter Cosette. For 10 points, name this French author of *Les Miserables*.

ANSWER: Victor **Hugo** <SW + VS, Long Fiction> {Literature, Long Fiction}

6. A problem involving these structures defines the GI complexity class. An algorithm on these structures repeatedly removes certain elements with minimum weight to find a subset that spans one of these structures. That algorithm is Kruskal's algorithm. A greedy algorithm on these structures, extended using a heuristic function to the A-star algorithm, finds the (\*) shortest path between two points and is named after Dijkstra ["DIKE-stra"]. Adjacency matrices can be used to represent these structures, acyclic ones of which are known as trees. For 10 points, name these general structures in computer science which consist of a number of vertices connected by edges.

ANSWER: **graphs** [accept **networks**] <SL, Computer Science> {Science, Other Science}

7. One stanza of this poem asks "And if a Curse... Who set it there?" when pondering over "this Juice the growth of God." This poem, which ends with the words "Tamam Shud," states that neither "Piety nor Wit" could cancel "half a Line" of it. In this poem, a "vessel" dismisses the thought of "one who threatens he will toss to Hell / The luckless Pots he marr'd in making" after another asks (\*) "Who is the Potter, pray, and who the Pot?" This poem, which describes how "The Moving Finger writes; and, having writ / Moves on," illustrates a "Paradise" with "A Jug of Wine, a Loaf of Bread--and Thou." For 10 points, name this set of quatrains, most famously translated by Edward FitzGerald, that were written by Omar Khayyám ["kai-yahm"].

ANSWER: *The **Rubáiyát** of Omar Khayyám* <ML, Non-Epic Poetry> {Literature, Non-Epic Poetry}

8. A character decides to spend this day every year at the hospital and spends this day arguing with Lieutenant Schiesskopf's wife. An account from the Berkeley Hundred disputes this day's date. Carlos Bulosan wrote an essay for a painting depicting this day by Norman Rockwell titled (\*) *Freedom from Want*. After pleas by Sarah Josepha Hale, Abraham Lincoln officially made this day a federal holiday. A celebration of this day was described by William Bradford as including waterfowl and Indian corn. For 10 points, name this holiday supposedly celebrated by the Pilgrims and Native Americans, which traditionally has a large feast with a turkey.

ANSWER: **Thanksgiving** [the first clue refers to *Catch-22*] <AN, Other/Mixed Academic> {Other, Miscellaneous/Other Academic}

9. This man was told "I'm glad it was me instead of you," by accidental casualty Anton Cermak after an assassination attempt by Giusieppe Zangara. The Fifth Party System was created as a result of this president's formation of a broad coalition of blue-collar workers, minorities, intellectuals, and white Southerners. This president's (\*) "Brain Trust" of advisors included Secretary of the Interior Harold Ickes and Secretary of Commerce Harry Hopkins. Under this president, many alphabet agencies were established, such as the PWA and WPA. For 10 points, name this president whose New Deal attempted to alleviate the Great Depression.

ANSWER: **Franklin** Delano **Roosevelt** [accept **FDR**; prompt on **Roosevelt**] <CS, American History> {History, American History}

10. A cult dedicated to this deity was found at the acropolis of Corinth, which Pausanias reported was given to this deity in a settlement which gave the Isthmus of Corinth to Poseidon. After Heracles apologized for shooting at this deity, this deity provided him a golden cup Heracles used to travel to Erytheia. Seven grieving daughters of this deity cried tears of amber and were transformed into (\*) poplars. This deity, like Argus, was given the epithet Panoptes, or all-seeing. Worshippers of this god in Rhodes would annually drive a chariot into the sea, reenacting an incident in which he allowed Phaethon to drive his chariot. For 10 points, name this deity commonly conflated with Apollo, the Greek god of the Sun.

ANSWER: **Helios** <KM, Mythology> {Beliefs, Mythology}

11. A doctor in one play by this author proclaims “God alone knows what a man’s real calling is” when explaining his passion for forest preservation. In another play by this man, the world-soul fights against a representation of Satan in a play-within-a-play written by a character who wears a bandage around his head in acts III and IV after his failed (\*) suicide attempt. The title character of a play by this man attempts to kill his ex-brother-in-law Serebryakov. Nina and Irina Arkadina, the love interest and mother respectively of Treplev, both fall in love with Trigorin in a play by this author, who also names a trope in which a gun introduced in the first act should be fired by the last. For 10 points, name this Russian playwright of *Uncle Vanya* and *The Seagull*.

ANSWER: Anton **Chekhov** <DB, Drama> {Literature, Drama}

12. An artist who worked in this country depicted a group of crocodiles riding another boat-shaped crocodile in her painting *How Doth the Little Crocodile*; that artist painted the self-portrait *Inn of the Dawn Horse* while in a relationship with Max Ernst. An artist born in this country where the surrealist Leonora Carrington worked included a note written in blood at the bottom of a painting depicting a (\*) suicide. A fetus is tethered by an umbilical cord to an artist from this country in a painting set at the Henry Ford Hospital that depicts a miscarriage. Other paintings by that artist include one inspired by themes from this country, her *Self-Portrait with Thorn Necklace and Hummingbird*. For 10 points, name this home country of Frida Khalo.

ANSWER: **Mexico** <KM, Visual Fine Arts> {Fine Arts, Visual Fine Arts}

13. A 1942 accident in Manchukuo was the deadliest accident in the history of this industry. In response to the “Three-Day Week” measure, workers in this industry went on strike, during which they engaged with police in the Battle of Orgreave. Theodore Roosevelt successfully negotiated with Pennsylvania workers in this industry during a 1902 strike, and the predecessor to the European Union sought to combine both (\*) steel and this industry across Europe. The Davy lamp was used by workers in this industry, which was prominent in Newcastle-upon-Tyne. For 10 points, name this industry, involving the extraction of a fossil fuel crucial for much of the Industrial Revolution.

ANSWER: **coal** mining [accept European **Coal** and Steel Community; prompt on mining] <GP, Ancient/Other History> {History, Ancient/Other History}

14. The tips of cells named for these structures possess kinocilia and stereocilia and are located on the basilar membrane. Those cells named for these structures are overlaid by the tectorial membrane and found in the organ of Corti. A type of these structures in fetuses is called lanugo. Contraction of arrector pili muscles affect the conformation of these structures. Disulfide bridges can cause (\*) curls in these structures. They’re not nails, but the primary component of these structures is keratin. For 10 points, name these structures that grow from follicles and are present in mammals, as seen on the human head.

ANSWER: **hairs** [accept **hair** cells] <KL, Biology> {Science, Biology}

15. This country's Morondava Basin contains two rich oil deposits at Bemolanga and Tsimiroro. Many endangered waterbird species, including Meller's Duck, live in this country's Lake Alaotra. A dirt road in the western portion of this country contains two intertwining Baobab trees that have been called *Amoureux* ["ah-mow-row"]. Jean Laborde designed many buildings in this country's capital under the orders of (\*) Ranavalona I. This country's primary ethnic group speaks an Austronesian language and are known as the Malagasy. For 10 points, name this African island country with capital Antananarivo, the only native home to lemurs.

ANSWER: Republic of Madagascar <GP, Geography> {Other, Geography}

16. In a French opera by this composer, a tenor announces that he has joined the opera's title group in an aria which, in most performances, hits nine high C's. In another opera by this composer, the lead tenor sings "one could die of love!" after seeing "a furtive tear" in the eye of his love interest. An aria by this composer opens with a glass harmonica and is often transcribed down a whole step for the lead soprano. That aria, (\*) "Il dolce suono," ["il-dole-chay-soo-oh-no"] is sung in the opera's famous mad scene. This composer wrote a comic opera in which the tenor Nemorino buys cheap wine from a quack, believing it to be the title magical drink. For 10 points, name this Italian *bel canto* composer of *L'elisir d'amore* and *Lucia di Lammermoor*.

ANSWER: Gaetano Donizetti [accept Domenico Gaetano Maria Donizetti] <ML, Other Auditory Arts> {Fine Arts, Other Fine Arts}

17. These objects can be approximated classically by summing over standing waves in a cubical cavity and applying the equipartition theorem. These objects can be modeled with the Sakuma-Hattori equation in place of the integral of an expression containing the inverse fifth power of wavelength. The quantization of energy was proposed to resolve these objects' (\*) ultraviolet catastrophe. The peak wavelength emitted by these objects is inversely proportional to temperature according to Wien's displacement law. The Rayleigh-Jeans law describing the radiation given off by these objects was corrected by Planck's Law. For 10 points, name these theoretical objects which absorb all light.

ANSWER: blackbodies <SL, Physics> {Science, Physics}

18. This country suffered a horrific defeat at the Battle of Lowestoft, but after a naval reconstruction, it rebounded with a victory at the uncharacteristically lengthy Four Days' Battle. The ship-of-the-line *Royal Charles* was captured from its own port by one of this country's admirals during his Raid on the Medway. The Sea Beggars were financed by (\*) Elizabeth I to aid this country during its war of independence from Spain; that conflict, which joined the wider Thirty Years' War, was the Eighty Years' War. Under William III of Orange, this country invaded England in the Glorious Revolution. For 10 points, name this country in which Napoleon later established the puppet Kingdom of Holland.

ANSWER: Dutch Republic [accept Republic of the Seven United Netherlands; prompt on Holland before mentioned] <CS, European History> {History, European History}

19. The adopted son of an independence leader of this country was declared as the new Messiah in the Order of the Star of the East. A religious movement from this country centers on the "Osho", while another religious movement sponsors the Food for Life program, which gives out free vegetarian meals. Annie Besant, president of the Theosophical Society, spent her adult life in this country, which is home to the (\*) ISKCON ["IS-con"] movement. This country has the largest Zoroastrian population in the world, who are known as Parsis, as well as the Syro-Malankara Church in Kerala, which traces its roots to St. Thomas. For 10 points, name this Asian country, which is also the birthplace of the Dharmic religions such as Buddhism and Hinduism.

ANSWER: Republic of India <AN, Religion> {Beliefs, Religion}

20. A story mentioned within this novel states that the true message of the Gospels is to kill somebody only after making sure that he isn't well connected. In a flashback in this novel, the protagonist wets his pants at the top of the Grand Canyon. The wife of this novel's protagonist dies of carbon monoxide poisoning in her car after hearing of a plane crash. This novel, which ends with the image of a bird saying (\*) "poo-tee-weet?," repeats the phrase "so it goes" after every mention of death. The protagonist of this novel impregnates Montana Wildhack in a zoo on the planet Tralfamadore. For 10 points, name this novel about Billy Pilgrim, by Kurt Vonnegut.

ANSWER: *Slaughterhouse-Five*, or *The Children's Crusade: A Duty Dance with Death* <ML, Long Fiction>  
{Literature, Long Fiction}

## Bonuses

1. An artist from this country created a hanging sculpture for the Sackler Gallery which depicts the word for monkey written out in several different languages. For 10 points each:

[10] Name this country. That same artist from this country created another hanging installation in which nonsensical text resembling this country's language are displayed above the viewers, *Book from the Sky*.

ANSWER: **China**

[10] This Chinese artist is famous for his protests against the Chinese government. In one of his pieces, he stood in front of Tiananmen Square with the words "f\*\*\* [expletive] off" tattooed.

ANSWER: **Ai Weiwei**

[10] In 2010, Ai Weiwei covered the floor of the Tate Modern with sunflower seeds made out of this material. The Ming Dynasty was famous for producing glazed blue-and-white pottery out of this material.

ANSWER: **porcelain** [prompt on ceramics] <HP, Other Visual Arts> {Fine Arts, Other Fine Arts}

2. This quantity is equal to five-thirds for monatomic gases and seven-fifths for diatomic gases. For 10 points each:

[10] Name this quantity, typically denoted gamma, which is defined as the ratio between two specific heats. It characterizes isentropic ["ICE-en-tropic"] processes.

ANSWER: **adiabatic index** [accept **Poisson constant**]

[10] The denominator of the definition of adiabatic index is specific heat when this quantity is constant. In adiabatic processes, pressure times this quantity raised to the adiabatic index is constant.

ANSWER: **volume**

[10] This quantity is equal to the square root of adiabatic index times pressure over density. This quantity, which in air is approximately 343 meters per second, defines Mach 1.

ANSWER: **speed of sound** <SL, Physics> {Science, Physics}

3. Answer some things about the wisdom of Odin, for 10 points each:

[10] The name of this object in Norse mythology means "Odin's horse", meaning Odin's gallows. That name references the time when Odin hung himself on this "world tree" in order to obtain the knowledge of the runes.

ANSWER: **Yggdrasil**

[10] Odin sacrificed an eye to drink the water of wisdom from this god's well. After this god was decapitated during the Aesir-Vanir war, Odin preserved his head so that he could continue to consult it for its wise counsel.

ANSWER: **Mimir**

[10] Odin stole this substance from the giant Suttung and spit it out to share with the gods, and it is said that whoever drinks this substance "becomes a skald or scholar".

ANSWER: the **Mead of Poetry** [accept **Poetic Mead**] <SZ, Mythology> {Beliefs, Mythology}

4. This author wrote about a man dying from epithelioma in his one-act play *The Man with the Flower in His Mouth*. For 10 points each:

[10] Name this playwright who wrote about Lady Frolo and Mr. Ponza in *Right You Are (If You Think You Are)*. Doctor Hinkfuss puts on an adaptation of this author's novella *Leonora, Addio!* in his play *Tonight We Improvise*.

ANSWER: Luigi **Pirandello**

[10] In another Pirandello play, a character with this profession tells another character "you represent the shell of the eggs you are beating" and later complains that he's "lost a whole day." Dr. Hinkfuss has this profession in *Tonight We Improvise*.

ANSWER: **Stage Manager** [or **director**; accept equivalents]

[10] The title group interrupts a rehearsal led by the Stage Manager in this Pirandello play. The title group of this play includes the Father, the Mother, and the Step-Daughter.

ANSWER: ***Six Characters in Search of an Author*** [or ***Sei personaggi in cerca d'autore***] <AMB, Drama> {Literature, Drama}

5. The Byzantine Empire had many foreign allies. For 10 points each:

[10] The Byzantines received the support of these people during the 717-718 Siege of Constantinople under the leadership of their khan Tervel. The future Byzantine emperor Basil II earned the epithet of these peoples' "slayer."

ANSWER: **Bulgars** [Accept **Bulgarians**]

[10] The Byzantine emperor Constantine VIII married his sister Anna Porphyrogenita to Vladimir the Great, ruler of this state, securing an alliance with it. Vladimir also converted this state and its people to Orthodox Christianity.

ANSWER: **Kievan Rus**

[10] A Byzantine Emperor from this dynasty called for assistance to defeat Muslims in the Levant at the Council of Clermont. A different member of this dynasty ruled Cyprus before it was conquered by Richard the Lionheart.

ANSWER: **Komnenian** Dynasty [accept Alexios I **Komnenos** or Isaac **Komnenos**] <GP, European History> {History, European History}

6. Name some things about Damien Hirst. For 10 points each:

[10] Hirst is part of a group of "young" artists from this country along with Angus Fairhurst and Tracy Emin. Many exhibits by Hirst have occurred at the Tate Modern, a museum in this country.

ANSWER: Great **Britain** [or the **U.K.**; or the **United Kingdom**; accept **England**]

[10] Hirst has come under fire from activists for repeatedly including these general things in his work. *The Physical Impossibility of Death in the Mind of Someone Living* and *Beautiful Inside My Head Forever* are Hirst exhibitions consisting of these general things preserved in tanks of formaldehyde.

ANSWER: dead **animals** [accept any specific animal]

[10] Hirst created multiple "Kaleidoscope" paintings like *It's a Wonderful World* out of these animals. Hirst's exhibition *In and Out of Love* featured a room containing 9,000 live examples of these animals which died over the course of the exhibition.

ANSWER: **butterflies** [or **butterfly**; prompt on insects] <AMB, Visual Fine Arts><ed. KM> {Fine Arts, Visual Fine Arts}

7. The speaker of this poem says “I rushed up enchanted—it was my first [of the title flower], memories of Blake.”  
For 10 points each:

[10] Name this poem about a “gray” flower with a “corolla of bleary spikes.” It opens “I walked on the banks of the tincan banana dock” and closes with a “locomotive riverbank sunset Frisco hilly tincan evening.”

ANSWER: “**Sunflower Sutra**”

[10] “Sunflower Sutra” was written by this poet. In another poem, he describes a “sphinx of cement and aluminum” which he refers to as “Moloch.”

ANSWER: Allen **Ginsberg**

[10] Moloch appears in this Ginsberg poem, in which the narrator “saw the best minds of [his] generation destroyed by madness, starving hysterical naked.”

ANSWER: “**Howl**” <KL, Non-Epic Poetry> {Literature, Non-Epic Poetry}

8. This molecule comes in a and b forms, which can be distinguished by the presence of a methyl or an aldehyde.  
For 10 points each:

[10] Name this pigment with a central magnesium atom. This molecule is found in P680 and P700.

ANSWER: **chlorophyll**

[10] Chlorophylls most strongly reflect this color.

ANSWER: **green**

[10] Chlorophyll is a derivative of one of these molecules attached to a phytol chain. These macrocycles are composed of four modified pyrroles. Another example of one of these molecules is heme.

ANSWER: **porphyrin** rings [prompt on cyclic tetrapyrroles] <KL, Biology> {Science, Biology}

9. Answer the following about various creole languages around the world. For 10 points each:

[10] Sranan Tongo is a creole language used as a lingua franca in this country. This country has the highest proportion of Muslims in South America, owing to the many Javanese labourers who came to it.

ANSWER: Republic of **Suriname**

[10] Papiamentu is a creole language that has official status in this country’s islands of Aruba and Curacao. Papiamentu is also spoken in this country’s islands of Bonaire, Sint-Eustatius, and Saba.

ANSWER: Kingdom of the **Netherlands**

[10] Hezhou [**“huh-joh”**] is a creole language spoken in the Gansu province which combines Uyghur with this language. This language has the largest number of native speakers in the world.

ANSWER: **Mandarin** [prompt on Chinese] <GP, Geography> {Other, Geography}

10. Since 1927, TIME Magazine has annually produced a special edition dedicated to a “Person of the Year.” Name some things related to the symbolic cover art of these issues, for 10 points each:

[10] The 1945 special edition’s cover depicted Harry Truman on another cover, as well as a fist clutching lightning bolts in symbolism of these controversial military actions which he had ordered to compel Japan to surrender.

ANSWER: **atomic bombings** of Hiroshima and Nagasaki [accept obvious equivalents]

[10] The 1951 cover depicted this recently elected Iranian Prime Minister next to a clenched fist rising near Persian oil wells, representing his recent nationalization of the Anglo-Iranian Oil Company.

ANSWER: Mohammed **Mossadegh**

[10] The 1957 cover depicted Nikita Khrushchev wearing a Kremlin crown and balancing this object on his fingers, the first man-made satellite ever sent into space.

ANSWER: **Sputnik 1** [accept Elementary **Satellite 1**, **PS-1**] <CS, World History> {History, World History}



11. This philosopher recorded many mundane events of his native Lu state in the *Spring and Autumn Annals*, one of the “Five Classics” of the school named for him. For 10 points each:

[10] Name this ancient Chinese philosopher who stressed the importance of filial piety in his work *The Analects*.

ANSWER: **Confucius** [or **Kongzi**; or **Kong Fuzi**]

[10] One teaching of Confucius was upholding proper responsibilities and relationships such as ruler to subject and husband to wife, which would lead to the “rectification” of these things.

ANSWER: **names** [accept *zhengming*]

[10] Confucius used this term meaning “lord’s son” to describe an ideal, exemplary man that all individuals should strive to become. This type of person possesses high virtue and humanity only second to sages.

ANSWER: **junzi** [accept **gentleman**; accept **superior man**] <WZ, Philosophy> {Thought, Philosophy}

12. Answer the following about recent legalisations of same-sex marriage around the world. For 10 points each:

[10] This country legalised same-sex marriage by a postal survey in 2017 under the government of Malcolm Turnbull. Turnbull has since been succeeded as this country’s prime minister by Scott Morrison.

ANSWER: Commonwealth of **Australia**

[10] This country became the first in Asia to legalise same-sex marriage, doing so in May 2019. It is currently led by Tsai Ing-wen, who leads its Democratic Progressive Party.

ANSWER: **Taiwan** [Accept **Republic of China**, prompt on **ROC**; do not accept nor prompt on “China” or the “People’s Republic of China”]

[10] This country’s Constitutional Court declared its ban on same-sex marriage unconstitutional in June 2019. This country’s current president is Lenin Moreno.

ANSWER: Republic of **Ecuador** <GP, Current Events> {Other, Current Events}

13. Answer the following about the Leclanché cell, for 10 points each:

[10] The Leclanché cell contains an anode made of this element with symbol Zn.

ANSWER: **zinc**

[10] At the anode, zinc is oxidized to this oxidation state, which is also the preferred oxidation state of magnesium.

ANSWER: **+2** [or plus **2** or **2+**]

[10] Like all galvanic cells, Leclanché cells have one of these structures that prevent the entire cell from rapidly reaching equilibrium. These structures work by connecting two half-cells and are made of glass or filter paper.

ANSWER: **salt bridge** <KL, Chemistry> {Science, Chemistry}

14. A failed expedition during this war saw the death of Edward Braddock. For 10 points each:

[10] Name this 18th-century war between France and the United Kingdom. As a result of this war, the British racked up so much war debt that they began taxing the American colonists, thereby ending the policy of salutary neglect.

ANSWER: **French and Indian** War [accept **Seven Years’** War]

[10] This fort served as the burial place for Edward Braddock after the Battle of the Wilderness. A battle at this fort saw a young George Washington’s only ever military surrender.

ANSWER: Fort **Necessity**

[10] Forces under Washington had earlier killed this French military officer, helping spark the Seven Years’ War. That event took place at the Battle of this officer’s namesake Glen.

ANSWER: Joseph Coulon de **Jumonville** <AN, American History> {History, American History}

15. One character in this novel was working on an essay called “The Truth about Native Crime” before he was killed. For 10 points each:

[10] Name this novel that opens with the line “There is a lovely road that runs from Ixopo into the hills.” A man's death in this novel is overshadowed in the news by a gold rush.

ANSWER: ***Cry, the Beloved Country***

[10] This South African author wrote *Cry, the Beloved Country*. This author also wrote *Too Late the Phalarope* and *Ah, But Your Land is Beautiful*.

ANSWER: Alan **Paton**

[10] *Cry, the Beloved Country* centers on this son of Stephen, who kills Arthur Jarvis. He writes letters to his parents from jail as he awaits execution.

ANSWER: **Absalom** Kumalo [prompt on **Kumalo**] <KL, Long Fiction> {Literature, Long Fiction}

16. Convolutions can be used to invert this process for a product. For 10 points each:

[10] Name this process, which typically takes a differential equation from the t-domain to the s-domain. It converts differential equations into equations of polynomials.

ANSWER: **Laplace transform**

[10] The Laplace transform is defined using an "improper" one of these constructs with bounds at zero and infinity. By the Fundamental Theorem of Calculus, they are the inverses of derivatives.

ANSWER: definite **integral**

[10] The integrand of the Laplace transform of a function f is equal to f times this function of negative st. Up to a constant factor, it is the solution to the differential equation  $y' = y$  [**“y prime equals y”**].

ANSWER: **exponential** [accept **e to the x**] <SL, Math> {Science, Mathematics}

17. Out of the twelve spies sent to the promised land, this man and Caleb were the only two to give an encouraging report on how it could be conquered. For 10 points each:

[10] Name this son of Nun, the leader of the Israelites in their conquest of Canaan after the death of Moses. A notable episode where he commands the sun and moon to stay still appears in his namesake book of the Bible.

ANSWER: **Joshua** [accept **Jehoshua**, accept **Yehoshua**, accept **Hoshea**]

[10] One of Joshua's most famous exploits is his capture of this city. Joshua instructs his men to march around this city for seven days and then blow their trumpet horns, which causes the walls of this city to fall.

ANSWER: **Jericho**

[10] Prior to the capture of Jericho, this woman hid Joshua's spies under bundles of flax on her roof. During the battle, this woman hung a red cord outside her house to let the Israelites know to spare her.

ANSWER: **Rahab** [accept **Rahav**] <SZ, Religion> {Beliefs, Religion}

18. In one story by this author, a group of wagon passengers pour liquid into one character's ear to reveal that the “beast” he thought was eating his brain was actually a flea. For 10 points each:

[10] Name this author. In another story by this author, the title “Two Friends” are executed by firing squad while on a fishing trip because they will not give up the password to get through the army's front line.

ANSWER: Guy de **Maupassant** [**“gee-de-maw-puh-sant”**]

[10] In this Maupassant story, the Jewish prostitute Rachel stabs the title character with a cheese knife. The title German captain of this story is given a nickname referring to his effeminate manner.

ANSWER: **“Mademoiselle Fifi”**

[10] This other story by Maupassant centers on Madame Loisel borrowing an accessory from Madame Forestier and then losing it. At the end of the story, Madame Loisel discovers the title piece of jewelry of this story is fake.

ANSWER: **“The Necklace”** [or **“The Diamond Necklace”**; or **“La Parure”**] <AMB, Short Fiction/Other Literature> {Literature, Short Fiction/Other}

19. Prior to both of these events, the islands of Tsushima and Iki were captured. For 10 points each:

[10] Name these events which occurred following Kublai Khan's conquest of the Goryeo kingdom. The first was repulsed at the Battle of Bun'ei after landings at Hakata Bay.

ANSWER: **Mongol invasions** of **Japan** [or **Yuan invasions** of **Japan**; prompt on invasions of Japan with “by whom?”]

[10] The Japanese were assisted in their defense by typhoons which were given this name. Translated as “divine wind,” it is also the name of the suicide attacks by Japanese pilots in World War II.

ANSWER: **kamikaze**

[10] Discontent over a lack of compensation for those who had fought the Mongols led to the destabilization of this shogunate. This shogunate came to power after Minamoto no Yoritomo was victorious in the Genpei wars.

ANSWER: **Kamakura** Shogunate <SL, World History> {History, World History}

20. This conductor replaced the German word for “joy” with the word for “freedom” in his performance of Beethoven’s Ninth Symphony, celebrating the fall of the Berlin Wall. For 10 points each:

[10] Name this man who became the conductor of the New York Philharmonic in 1958. His own compositions include his second symphony, based on W. H. Auden’s *Age of Anxiety*, that features a solo piano.

ANSWER: Leonard **Bernstein**

[10] Inspired by his work on the series *Omnibus*, Bernstein televised these lecture-like family concerts on CBS. Each episode in this series focused on a topic, a composer, or even specific performers.

ANSWER: **Young People’s Concerts**

[10] Bernstein’s final Young People’s Concert featured this suite by Gustav Holst. In that concert, Bernstein replaced this suite’s *Saturn* movement with an improvised movement dedicated to Pluto.

ANSWER: *The **Planets*** <WZ, Auditory Fine Arts> {Fine Arts, Auditory Fine Arts}