

Brookwood Invitational Scholars' Bowl

Round 1

Written and edited by Zach Billett, Mostafa Bhuiyan, Joseph Reifenberger, Adam Silverman, Brady Weiler, and Jacky Zhu

Tossups

1. **This politician coined the term “vast right-wing conspiracy.” The “Harry and Louise” ad advocated a universal healthcare law named for this non-Obama politician. *Citizens United v. FEC* was based on a movie titled <this person>: *The Movie*. Anthony Weiner’s ex-wife, Huma Abedin, works for this (*) politician. During a campaign, this politician claimed to “hammer on the glass ceiling.” This author of the memoir *Hard Choices* first won political office as a senator from New York in 2000. She used her own email server to receive classified messages while Secretary of State. For 10 points, name this Democratic presidential nominee.**

ANSWER: Hillary Clinton [prompt on Clinton]

2. **A pope of this name held office during World War I. A man with this first name differentiated between a cenobite and a hermit, and argued that the central rule should be *Ora et labora*, or “Pray and work”. John Paul II declared a saint of this name from Nursia was the patron saint of Europe. That saint with this name provided guidelines for monks in his namesake (*) “rule.” A pope of this name permitted the Tridentine Mass, but controversially declared that prophylactics increase the spread of AIDS, shocking many with his conservatism. For 10 points, give this name of the pope who suddenly resigned office in 2013, the sixteenth of this name.**

ANSWER: Benedict [or Pope Benedict XVI; or Pope Benedict XV]

3. **This director built a centrifuge for a scene in which the camera follows under a man jogging in a circular room. One of this man’s films begins with a shot of various men getting their heads shaved while Johnny Wright’s “Hello Vietnam” plays in the background. He directed a movie in which a bone thrown in the air turns into a (*) satellite, and later, Strauss’ “Blue Danube Waltz” plays during a dance-like docking sequence. In one of his films, Jack Nicholson quotes the Big, Bad Wolf, then sticks his head through a door and shouts “HERE’S JOHNNY!” For 10 points, name this director of *The Shining* and *2001: A Space Odyssey*.**

ANSWER: Stanley Kubrick

Note to moderator: Read "NAG" and "NAM" as "nag" and "nam".

4. **This structure contains penta-glycine and D-alanine bridges. The first elucidated enzyme mechanism was for a protein discovered in egg white that destroys this structure. This structure is targeted by drugs with four-member rings containing nitrogen and sulfur. Lysozyme hydrolyzes NAG and NAM in it. When this structure is “thick”, (*) crystal violet won’t wash out of it. Beta lactam antibiotics destroy this structure. The amount of peptido-glycan in this structure distinguishes Gram-positive and Gram-negative bacteria. For 10 points, name this structure that surrounds the cell membrane in bacteria, which is made of cellulose in plants.**

ANSWER: bacterial cell wall [prompt on wall; prompt on bacteria]

5. **A novel by this author alternates newspaper clippings with a story-within-a-story-within-a-story about the Zycronians. In that novel, this author described two daughters of a button-factory magnate, one of whom marries Richard Griffen, and the other of whom drives off a bridge. Another novel by this author, framed as a series of cassette tapes, mentions a Wall on which the Eyes of God hang (*) dissidents. This author wrote about Laura and Iris Chase in *The Blind Assassin*. Her most famous novel takes place in Gilead, where women like Offred [of-FRED] are kept as concubines. For 10 points, name this Canadian author of *The Handmaid’s Tale*.**

ANSWER: Margaret Atwood

6. **This team’s current coach served as the coach of the New York Jets twice without ever coaching a game. This team made its first Super Bowl behind Irving Fryar, but lost to William Perry and the Chicago Bears. This team’s Snow Bowl game against the Oakland Raiders in 2002 involved the most high-profile application of the (*) Tuck Rule. Since drafting a player from Michigan in 2000, this team has won four Super Bowl, including one in which Malcolm Butler made a goal-line interception against Seattle. For 10 points, name this team coached by Bill Belichick and led by quarterback Tom Brady.**

ANSWER: New England Patriots [accept either answer]

7. Eugene Terre'Blanche founded the AWB in this country in the 70s. A sociology professor who served as this nation's president was assassinated in 1966. The League of Nations Covenant was largely written by this country's WWII prime minister Jan Smuts. A Truth and Reconciliation Committee in this country looked into the beating of Steve Biko [BEE-ko]. It established (*) Bantustans. This country's reformist leader PW Botha lost power after a stroke and was replaced by FW de Klerk. It suffered the Sharpeville Massacre in 1960. A onetime inmate at Robben Island was elected president of this country in 1994. For 10 points, name this home of Nelson Mandela.

ANSWER: Republic of South Africa [or RSA]

8. *Note to moderator: Read the answerline to this tossup (to yourself) before reading the tossup. Also, the Hebrew "ch" is a guttural sound, as in "Chanukah"; if you can't produce that sound, use a voiced 'h' ("MI HAMOHA").* The section of the Torah which describes this event is oddly written in three staggered columns. A song about this event begins "Mi Chamocha ba'eleem Adonai" and translates to "Who is like You, O God?" After this event, a woman sings and dances with a tambourine. The pillars of cloud and fire clog the (*) wheels of some chariots during it. The final time that the Lord hardens Pharaoh's heart is in preparation for this event. Miriam sings a verse in Exodus 15 commemorating it. A man holds his staff up over the water during this event, which kills all the Egyptians. For 10 points, name this miracle in which Moses and the Israelites crossed a large body of water.

ANSWER: parting the Red Sea [or crossing the Red Sea; or obvious equivalents; accept other descriptions of the body of water like "sea of reeds" or "Yam Suph" since the Hebrew translation is a bit dicey; prompt on Exodus from Egypt]

9. These interactions are modelled by a constant equal to 1.748 over the nearest-neighbor distance. In Pearson's theory, hard acids and bases interact in this way. The energy of this interaction is estimated in a Born-Haber [HAW-ber] cycle. Compounds forming these bonds have van't Hoff factors greater than one. The (*) lattice energy estimates the energy from these interactions. A difference greater than 1.7 on the Pauling scale indicates this type of bond. These bonds form between metals and nonmetals. For 10 points, name these bonds that form when atoms transfer electrons, in contrast with covalent bonds.

ANSWER: ionic bonds [or Coulombic forces; prompt on crystal lattices; prompt on lattices or lattice energy until it is read; prompt on bonds]

10. Two characters in this novel appear to "balloon" down to a white sofa when a window is closed. A chapter of this novel concludes, "The holocaust was complete." This novel's closing line mentions "boats against the current, borne back ceaselessly into the past", and it opens with the narrator recounting advice given to him by his father. Characters in this novel dread the (*) Valley of the Ashes and its poster of optometrist TJ Eckleburg. Another symbol in this novel is a green light that shines to West Egg all the way from the Buchanans' dock. For 10 points, name this novel narrated by Nick Carraway, set in the Jazz Age, by F. Scott Fitzgerald.

ANSWER: *The* Great Gatsby

11. Robert of Clermont and Beatrice of Burgundy founded this dynasty. Its Italian branch was linked to the House of Parma and gained the kingdom of Etruria in the treaty of Aranjuez [are-on-WEZ]. Conservative Democrats in the US in the 1880s were named for this dynasty. The War of Spanish Succession was fought after (*) Philip V, a member of this house, took the Spanish throne instead of a Hapsburg. The July Monarchy overthrew a "restored" version of this house led by Charles X. Henry of Navarre was part of this house. For 10 points, name this dynasty which ruled France under Louis XIV.

ANSWER: House of Bourbon [prompt on House of Capet or Capetians]

12. Giorgio Vasari wrongly claimed that this artist invented oil painting. A painting by this artist, recovered by the Monuments Men, was returned to St. Bavo Cathedral, minus two panels that were stolen in 1934. This artist wrote that he "was here" above a mirror in one painting. This artist made grisaille [griz-ALE] paintings of John the Baptist and depicted a sheep bleeding into the Holy Grail for an (*) altarpiece commissioned by his brother. In a painting by this artist, a pair of wooden clogs and a small dog sit below a man in black and a woman in a green dress, who hold hands. For 10 points, name this painter of the *Ghent Altarpiece* and the *Arnolfini Marriage*.

ANSWER: Jan van Eyck

Moderator note: Read SCRAM as the word "scram".

13. **A scale ranging from zero cents to a dollar measures the activity of these devices. SCRAM mechanisms are safety measures used with these devices. A fudge factor literally called the “fudge factor” is used to calculate their critical masses. The first of these devices was built on a squash court underneath the University of (*) Chicago football field. Heavy water is used as a coolant and moderator by some of these devices. They have control rods made out of boron to absorb neutrons. Those rods usually surround a fuel composed of uranium-235 or plutonium-239. For 10 points, name these devices which produce energy through nuclear fission.**
ANSWER: nuclear reactors [or nuclear power plants; or similar answers; or nuclear piles; prompt on reactors; prompt on nuclear bombs or nuclear weapons or similar answers]

14. **It is not Latin, but poetry in this language peaked during the Silver Age. Franz Kafka imitated a story written in this language in which a doctor spends three sleepless nights tending a patient. A short story written in this language is titled for a civil servant-slash-madman who thinks he is the king of Spain. A clerk haunts a general after he is killed by ruffians trying to steal his (*) coat in a story in this language. Isaac Babel wrote in this language. *The Sportsman's Sketches* are written in this language, as was the short story “The Nose”. For 10 points, name this language used by Ivan Turgenev and Nikolai Gogol.**
ANSWER: Russian [or russkiy yazyk]

15. **In a method book considered this instrument's "Bible," Jean-Baptiste Arban wrote a difficult set of variations on the folksong “The Carnival of Venice.” Johann Hummel wrote an E major concerto for this instrument. It plays an offstage solo in *The Pines of Rome*. Three of these (*) valved instruments play the opening melody of Copland’s “Fanfare for the Common Man.” This instrument plays an ascending C-G-C pattern to introduce the nature-motif in Richard Strauss’ *Also Sprach Zarathustra*. Its namesake “voluntary” is often played at weddings. For 10 points, name this smallest brass instrument, which is related to the cornet and bugle.**
ANSWER: trumpet [or cornet or bugle until they are read]

16. **ML Hoffman proposed four stages of development of this feeling. Erik Erikson’s third stage of psychosexual development is initiative versus this feeling. Freud’s superego punishes the ego and id with this feeling. Unlike Japan, the West’s culture is shaped by this feeling, according to *The (*) Chrysanthemum and the Sword*, which contrasts its culture with a shame culture. Shelby Steele wrote a 2007 book titled for a form of it experienced by white people. People who live through traumatic experiences, like wars, experience the “survivor” form of this emotion. For 10 points, name this emotion experienced by non-psychopaths after they commit crimes.**
ANSWER: guilt [or word forms; prompt on remorse; prompt on conscience or word forms]

17. **This man led the “Wolverines” during the Valley Campaigns, where he defeated Jubal Early at the Battle of Cedar Creek. His forces won the Battle of Washita River. He testified to Congress in the Belknap Affair, and got rebuked by his ex-commander Ulysses Grant. This general lost a battle after refusing a Gatling gun, and after Marcus (*) Reno decided to form a skirmish line. This man earned 726 demerits at West Point and graduated last in his class. His 7th Cavalry Regiment was routed by Sitting Bull, Crazy Horse, and the rest of the Sioux in 1876. For 10 points, name this officer famous for his “Last Stand” at the Battle of Little Bighorn.**
ANSWER: George Armstrong Custer

18. **When input this number, the number of arrows in Knuth [NOOTH] notation is independent of the output. This value is always next-to-last in a Collatz [cull-ATZ] sequence. A classic proof by contradiction sets this value equal to p^2 over q^2 , for integral p and q . This is the largest number n for which a to the n plus b to the n may equal (*) c to the n , for integral a , b , and c . Every even number can be expressed as the sum of this many primes. The largest known primes are one less than a power of this number. The number of vertices minus edges plus faces equals this value for most polyhedra. For 10 points, name this smallest and only even prime number.**
ANSWER: two

19. **This Greek deity lives underwater for years with Thetis and Eurynome [yur-IN-o-me]. During the Trojan War, Hera sends this god to save Achilles from Scamander. A king of Athens was conceived by Gaea after this deity tried to rape Athena. Greek artists painted this god, drunk, getting dragged up a mountain on the back of a (*) mule. He created Pandora's body and lived under a mountain on Sicily. This god once was literally kicked off Olympus. Aphrodite was married to this god, since he was considered the ugliest Olympian. He created Pelops' second shoulder and Achilles' armor. For 10 points, name this lame god of smithing.**

ANSWER: Hephaestus [do not accept or prompt on "Vulcan"]

20. **This character vents at Ventidius before proclaiming "The wretched have no friends" in John Dryden's *All for Love*. This character insists that, "The evil that men do lives after them" in a speech that repeatedly calls an enemy an honorable man. This friend of Enobarbus dies by stabbing himself after his attendant Eros cannot. He vows (*) revenge in a speech culminating in the line "Cry 'Havoc' and let slip the dogs of war." This character also gives a funeral oration beginning "Friends, Romans, countrymen, lend me your ears." For 10 points, name this lover of Cleopatra and mourner of Julius Caesar in two plays by Shakespeare.**

ANSWER: Mark Antony [or Marcus Antonius; prompt on Mark]

TB: **Billy Bishop and Billy Barker were fighter pilots for this nation. This country scrapped its Avro Arrow military jet project in 1959. It suffered conscription crises in 1917 and 1941. Two thousand people were killed when a French boat carrying explosives blew up in a harbor of this nation during 1917. This country supplied most of the troops that fought on (*) Juno Beach on D-Day. A prime minister of this country won a Nobel Prize for resolving the Suez Crisis. William Lyon Mackenzie King served as a Liberal prime minister of this nation for 22 years. For 10 points, name this country whose postwar prime ministers include Lester Pearson and Pierre Trudeau.**

ANSWER: Canada

Bonuses

1. A pair of sculptures made out of this material are simply dubbed “the youth” and “the elder”. For 10 points each:
[10] Name this material, used to depict Erasmo de Narni and his horse in *Gattamelata*. St. Petersburg is home to an Etienne Falconet sculpture of a horseman made of this material.

ANSWER: **bronze** [or *The Bronze Horseman*]

[10] *Gattamelata* is by this Italian Renaissance sculptor who also made a bronze statue of David.

ANSWER: **Donatello** [or **Donato** de Niccolo di Betto Bardi]

[10] Donatello’s *David* is a classic example of this technique, in which a statue appears to have its weight unequally balanced between two feet. Myron’s bronze *Discus Thrower* also exemplifies this technique.

ANSWER: **contrapposto**

2. This story ends on a cliffhanger with the protagonist watching a cigarette carton burn in a fire. For 10 points each:
[10] Name this story by Daphne du Maurier [MORE-ee-ay] in which Nat Hocken and his boss, Mr. Trigg, are tormented inside a farmhouse in Cornwall for days, after their neighbors are all gruesomely killed.

ANSWER: “The **Birds**”

[10] The British horror story has its origins in this epistolary novel written by Mary Shelley.

ANSWER: **Frankenstein**; or *the Modern Prometheus*

[10] This British author wrote a horror story titled “The Lifted Veil”, but she is probably better-known for a novel whose many protagonists include Tertius Lydgate and Dorothea Brooke.

ANSWER: George **Eliot** [or Mary Ann **Evans**]

3. This civilization held public festivals which sometimes included *ludi*, or games. For 10 points each:

[10] Name this great civilization which held the Lupercalia festival, to celebrate where Romulus and Remus were nursed by the she-wolf.

ANSWER: **Rome** [or **Roman Kingdom**; or **Roman Republic**; or **Roman Empire**]

[10] The December festival celebrating crop growth and the winter solstice was named for this Roman god. The temple for this god in the Roman forum stood near the Arch of Septimius Severus.

ANSWER: **Saturn** [accept **Saturnalia**]

[10] Scandal surrounded this popularist when he attempted to disguise himself as a woman to enter the female-only Bona Dea festival. Cicero gave the “Pro Milone” speech to defend a man from charges of murdering this politician.

ANSWER: Publius **Clodius** Pulcher [or P. Clodius **Pulcher**]

4. This quantity replaces the reaction quotient in the Nernst equation for a SHE cell. For 10 points each:

[10] Name this quantity which is estimated qualitatively for a solution using a mixture containing methyl [METH-ill] red, methyl yellow, thymol blue, and bromo-thymol blue.

ANSWER: **pH** [or **power of hydrogen**; prompt on **acidity** or word forms]

[10] Quantitative measurements of pH are used in the potentiometric form of this technique. This technique determines the concentration of an unknown acid or base using a known volume of a known concentration liquid.

ANSWER: potentiometric **titration** [or word forms; or **acid-base** titration]

[10] The reference electrode in a pH meter is almost always made of this opaque-white chloride compound. Like mercury and lead chloride, it is famously insoluble in water.

ANSWER: **silver** chloride [or **AgCl**]

5. Like any good quizbowl player, Odin would do pretty much anything for knowledge. For 10 points each:

[10] To learn the runes, Odin stabbed himself with a spear and hanged himself from this object for nine days. Odin also donated an eye to drink from Mimir’s well, which was located underneath this World-Tree.

ANSWER: **Yggdrasil** [EEG-druh-sill]

[10] He also learned how to speak to Hugin and Munin, two of these pet animals, who provided him tidings of the world.

ANSWER: **ravens** [prompt on **birds**]

[10] Odin disguised himself as a snake, then sweet-talked Gunnlod, in order to acquire some of this substance, which legendarily turned anyone who consumed it into a bard. This substance was made from Kvasir’s [cuh-VASS-ears] blood.

ANSWER: **Mead** of Poetry [or the Poetic **Mead**]

6. After singing this phrase and laughing hysterically, a character explains that, “Unless you carry on like a hyena you’re not having fun.” For 10 points each:

[10] Name this question, which, in the last line of the play, is frankly answered “I am George, I am.”

ANSWER: “**Who’s afraid of Virginia Woolf?**”

[10] This character admits to being absolutely terrified of Virginia Woolf at the end of that play by Edward Albee. In a pretty obvious historical reference, she’s married to George.

ANSWER: **Martha**

[10] Inexperienced readers ought to be afraid of Virginia Woolf, too, since she often employs this convoluted device, in which a narrator describes his or her disorganized feelings. James Joyce pioneered this narrative style.

ANSWER: **stream of consciousness**

7. Answer some questions about unique media used in the pop art movement, for 10 points each:

[10] In a quintessential pop art series, Andy Warhol created 32 canvases with these items on them, with a different flavor on each canvas.

ANSWER: Campbell’s **soup cans** [or 32 Campbell’s **Soup Cans**]

[10] Jasper Johns created one of these items using wax-based encaustic painting. One of these objects is at the center of Leutze’s *Washington Crossing the Delaware*.

ANSWER: **American flag** [prompt on “flag”]

[10] Robert Indiana is best known for a pop art sculpture of this four-letter word, with the second letter tilted, which was originally used as an image on a postage stamp.

ANSWER: **LOVE**

8. This leader got transferred to the Canary Islands to keep him from launching a coup, a brilliant strategy that failed when he left the islands and launched a coup. For 10 points each:

[10] Name this *generalissimo* of Spain who won the Spanish Civil War.

ANSWER: Francisco **Franco** Bahamonde

[10] Franco styled himself one of these authoritarian leaders, from the Spanish for “chief”, borrowing a term used by many Latin American dictators in the 1800s.

ANSWER: **caudillos** [or El **Caudillo**]

[10] After his death, Franco was succeeded by this king of Spain, who abdicated in 2014.

ANSWER: King **Juan Carlos** I [prompt on partial name, but the number is not required]

9. Name some classic examples of natural selection in the animal kingdom, for 10 points each:

[10] This man discovered finches in the Galapagos Islands which evolved different beak sizes to account for varying diets. He first described evolution by natural selection.

ANSWER: Charles **Darwin**

[10] In *The Origin of Species*, Darwin explains this animal’s most notable physical feature could have evolved to help it find food. This animal was used by Lamarck as evidence for the inheritance of acquired characteristics.

ANSWER: **giraffes** [or **giraffe**’s neck; or **Giraffa camelopardis**]

[10] Another classical case of natural selection is the gradual darkening in color of this insect in response to the soot added to the air in England during the Industrial Revolution.

ANSWER: **peppered moth** [or **Biston betularia**; prompt on **moth**]

10. This nation devalued its currency by 2% in August 2015, after its stock markets lost around 30% of their value in June and July. For 10 points each:

[10] Name this country which pegged its currency, the yuan, to the dollar until 2005.

ANSWER: People’s Republic of **China** [or **PRC**; or **Zhonghua**; do not accept or prompt on “Republic of China” or “ROC”]

[10] China underwent the depreciation in hope that the yuan would join this organization’s “special drawing rights” basket. This international organization loans money to member nations and promotes economic cooperation.

ANSWER: **IMF** [or the **International Monetary Fund**]

[10] In 2012, Mitt Romney pledged to label China with this two-word phrase because it has kept the yuan artificially low against the dollar. Twice a year, the Treasury Department considers whether or not to apply this label to China.

ANSWER: a “**currency manipulator**” [or **currency manipulation**; do not accept or prompt on synonyms, but word forms are fine]

11. Samuel Gompers served as president of this federation for 37 out of 38 consecutive years. For 10 points each:
[10] Name this federation of labor unions, less radical than its Knights of Labor predecessors, which merged with the CIO in 1955.

ANSWER: The **American Federation of Labor** [accept **AFL**]

[10] The AFL scored a major victory in 1935 with the passage of the Wagner Act, which set up this independent government agency to resolve labor disputes.

ANSWER: **National Labor Relations Board** [or **NLRB**]

[10] The NLRB and AFL suffered a bigger setback, however, with a 1947 law named for this Ohio politician and Fred Hartley, which banned closed shops. This Ohio politician and son of a president was known as Mr. Republican.

ANSWER: Robert Alphonso **Taft**

12. Answer the following about expansionary fiscal policy, for 10 points each:

[10] Classically, expansionary fiscal policy involves either increasing government spending, as advocated by liberals, or *this action*, advocated by conservatives. Supply-siders advocate that the government take this action.

ANSWER: **cutting taxes** [or **reducing tax** rates; or obvious equivalents]

[10] Expansionary policy may increase incomes, unless this unpleasant effect occurs, due to a vertical LM curve. In this effect, adding money to the economy increases interest rates only, because private spending goes down.

ANSWER: **crowding out** [or word forms]

[10] On the other hand, expansionary policy is very effective at drawing an economy out of a “trap” named for this quantity. For an asset, this term refers to how quickly you can sell it, without sacrificing its value.

ANSWER: **liquidity** [or word forms; or a **liquidity trap**]

13. After seeing a chalk-mark made by a robber, this character marks off every house in the neighborhood with the same symbol. For 10 points each:

[10] Name this slave woman who pours boiling oil into pots to kill thirty-eight robbers and stabs Cogia Hassan to complete the killing of all forty thieves.

ANSWER: **Morgiana**

[10] Morgiana is the servant to this character, who discovers a treasure after declaring “Open, Sesame” at some rocks.

ANSWER: **Ali Baba**

[10] The story of Ali Baba and the forty thieves is told in this cycle, which consists of a bunch of tales like told by Scheherazade [shuh-HAIR-uh-zawd] to stave off her execution. This collection also includes stories about Sinbad and Aladdin.

ANSWER: *The* **Arabian Nights** [or the *One* **Thousand and One Nights**; or **Kitab alf layla walayla**]

14. Examples of these statements include “All quadrilaterals have four sides” or “All bodies take up space.” For 10 points each:

[10] Name these statements which have the predicate contained with the concept of the subject. These statements are always *a priori* according to the *Critique of Pure Reason*, which contrasts them with synthetic statements.

ANSWER: **analytic** propositions [or **analytic** statements]

[10] This German Enlightenment thinker created the analytic-synthetic distinction and revolutionized philosophy in his three critiques.

ANSWER: Immanuel **Kant**

[10] This philosopher’s namesake “fork” proposes that all statements are either analytic *a priori* or synthetic *a posteriori*, with no possibility for synthetic *a priori*. This skeptic allegedly woke Kant from his “dogmatic slumber.”

ANSWER: David **Hume**

15. An “arithmetic” statement beginning with this word is used exclusively in FORTRAN. For 10 points each:

[10] Name this word which introduces a conditional block that is more common than a switch-case statement.

ANSWER: **if**

[10] The expression after an **if** must evaluate to one of these two values. Boolean expressions take on these two values.

ANSWER: **true** and **false** [prompt on **1** and **0**; either order is fine; prompt on partial answer]

[10] Similarly to if-then-else statements, these two keywords are used with the word **finally** in many languages for exception handling. Control blocks using these two keywords throw exceptions to prevent undesired executions.
ANSWER: **try** and **catch** [prompt on partial answer]

16. In one of this composer's symphonies, the trombones start the three-note "creator motif" in its opening setting of the hymn "Veni creator spiritus." For 10 points each:

[10] Name this composer of *The Song of the Earth*, as well as the *Titan* and *Resurrection* symphonies.

ANSWER: Gustav **Mahler**

[10] Mahler didn't call *The Song of the Earth* a symphony for fear of succumbing to the "curse" of writing this many symphonies. He then died soon after writing his symphony officially designated with this number.

ANSWER: **nine** [or the Curse of the **Ninth**]

[10] This symphony of Mahler immediately precedes the *Tragic Symphony*. Like the *Tragic Symphony*, this work has a section dedicated to Mahler's wife Alma, the fourth movement *Adagietto*.

ANSWER: Symphony no. **5** in C-sharp minor [or **fifth** symphony]

17. In 1971, the eastern part of this country declared its independence as Bangladesh. For 10 points each:

[10] Name this longtime rival of India which became the home of Indian Muslims after the partition.

ANSWER: Islamic Republic of **Pakistan**

[10] Pakistan's long-dominant PPP political party was founded by Zulfikar Ali, a member of this family. A woman in this family served as prime minister for two terms in the late 80s and early 90s, but was assassinated in 2007.

ANSWER: **Bhutto** [or Benazir **Bhutto**; or Zulfikar Ali **Bhutto**]

[10] The PPP is opposed by this other political party, which is a descendant of Muhammad Ali Jinnah's original party advocating independence of Pakistan. It is usually abbreviated "N".

ANSWER: Pakistan **Muslim League** [or the All-India **Muslim League**]

18. Sigmund Freud was obsessed with this author's story "Colloquy of the Dogs," which is often considered one of the forerunners of psychoanalysis. For 10 points each:

[10] Name this novelist. In a scene written by this author, a barber tries to burn down a library, but is stopped by a priest, who reads the title of each book before it is burned, and ends up saving a real-life novel by this author.

ANSWER: Miguel de **Cervantes** Saavedra

[10] Soon after returning home to find his library burnt down, Don Quixote picks up this fat companion, who joins the quests solely for the purpose of getting to rule his own island.

ANSWER: **Sancho** Panza [or Sancho **Panza**]

[10] Right after Sancho joins the fun, he has to stop Don Quixote from charging at some of these objects, which he thinks are giants. They aren't.

ANSWER: **windmills** [or wind**mill**s or **molinos**]

19. Camelback Mountain is in this city's wealthy suburb, Scottsdale. For 10 points each:

[10] Name this seat of Maricopa County, the city where Frank Lloyd Wright made his winter home at Taliesin West.

ANSWER: **Phoenix**, Arizona

[10] Phoenix is a few hours south of this landform carved out by the Colorado River near Flagstaff, Arizona.

ANSWER: **Grand Canyon**

[10] This city, which lies between Phoenix and Flagstaff, is famed for its red rock formations and its odd assortment of New Age spiritual movements.

ANSWER: **Sedona**, Arizona

20. The equivalence principle suggests that gravity can be considered this type of force. For 10 points each:

[10] Name this type of force which exists only in a noninertial reference frame.

ANSWER: **fictitious** force [or a **pseudoforce**]

[10] This force, which is often used to explain how a bucket full of water doesn't empty out when it's hurled around in a circle, is fictitious. It acts outward, unlike the centripetal force.

ANSWER: **centrifugal** force

[10] A principle named for this physicist states that a person's inertia is dependent upon interactions with all other masses in the universe. This physicist's namesake number, a ratio of speeds, determines if flow is compressible.

ANSWER: Ernst **Mach**