

Early Fall Tournament 2016 - "Auntie Vivian's daughter can answer these questions, why can't you?"

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Packet 11

TOSSUPS

1. Exploits in this region earned fame for the Legio Gemina, better known as the 13th Legion. Quintus Tullius Cicero was commended for heroism in this region during an expedition whose leader took credit for much of Titus Labienus's work. To cross from this region to attack the Sugambri, a bridge was built in just ten days. A council met at Bibracte in this region before a battle involving walls of circumvallation and contravallation. A text about this region that describes the (*) wicker-man sacrifice begins by noting its division into three parts. This region was administered in Cisalpine and Transalpine regions. A series of wars *here* ended at the Battle of Alesia with the capture of Vercingetorix. Julius Caesar conquered – for 10 points – what region, roughly modern day France?

ANSWER: Gaul [accept Cisalpine Gaul or Transalpine Gaul before mention; or Gallia Narbonensis; accept Gallia for Gaul; prompt on France before mention] <Brit/ClassHist, JZ>

2. One of these entities is reached by going past the River of Three Crossings, which children have difficulty passing without the protection of Jizo. In Buddhist cosmology, there typically exist eight hot and eight cold examples of these entities, one of which is named Avici [ah-VEE-chee]. One of them is guarded by a pair of figures which have an ox-head and a horse's head and is often called the (*) Yellow Springs. The Bodhisattva Ksitigarbha refuses to achieve Buddhahood until he empties all examples of these called *narakas*. Each of the ten courts in the Chinese one of these realms is judged by a Yama king. Accumulating negative karma results in birth in one of these locations, which are the lowest of the six realms. For 10 points, name these places where humans are punished until they are reborn into a higher realm.

ANSWER: hells [accept underworlds; accept diyu or yomi; accept purgatory as well; accept Narakas until mentioned] <Rel, AW>

3. This technique can be used to monitor beta-galactosidase activity when using ONPG as a substrate. This technique is the simplest way for a microplate reader to obtain data from ELISA. A protein solution is mixed with phosphomolybdate and phosphotungstate, then analyzed with this method in the Lowry assay. The purity of protein solutions can be estimated using this technique by obtaining a (*) 280/260 ratio as long as protein has typical amounts of tyrosine, tryptophan, and cysteine residues. Calibration curves prepared using this technique have a slope equal to the extinction coefficient. Quartz cuvettes are used in this technique when probing with wavelengths below 400 nm. Absorbances from this technique are related to concentrations by Beer's law. For 10 points, name this technique that analyzes how much light is absorbed by a solution.

ANSWER: spectrophotometry [accept colorimetry; accept UV-Vis spectroscopy; accept ultraviolet-visible spectroscopy; accept absorption spectroscopy] <Bio, AW>

4. After asking whether this man is a traitor, a boy calls liars and swearers fools for failing to beat and hang all the honest men. The phrase “one fell swoop” comes from this character’s lament that a “hell-kite” has killed “all my pretty ones.” This man and Lennox loudly knock on the gate to open Act II, Scene III of the play in which he appears, in which he exclaims “Confusion now hath made his masterpiece!” A woman remarks that this man “had a wife. Where is she now?” as she asks (*) “will these hands ne’er be clean” and shouts “Out, damned spot!” This man’s wife and children are killed on the orders of a man who is told to “beware the Thane of Fife.” This man circumvents the witches’ prophecy because he was “from his mother’s womb untimely ripped.” For 10 points, name this killer of Macbeth.

ANSWER: Macduff [prompt on Thane of Fife] <BritLit, RY>

5. At the end of a film about an event that *ended* in this decade, the camera dollies through an empty village while the voice-over reads: “We turn a blind eye to what surrounds us and a deaf ear to humanity’s never-ending cry.” In a scene set in this decade, a man is confined in an iron box and negotiates with a commander who overheard the whistling of “Colonel Bogey’s March.” In this decade, Sam is asked to play “As (*) Time Goes By” by Ingrid Bergman’s character, and a group of officers singing “Die Wacht am Rhein” are interrupted by an impromptu rendition of the Marseillaise. That film in this decade ends with Rick saying: “I think this is the beginning of a beautiful friendship.” For 10 points, identify the decade in which *The Bridge on the River Kwai* and *Casablanca* are set.

ANSWER: 1940s [accept '40s; the first sentence is Alain Resnais’s *Night and Fog*] <OArts, RY>

6. In one of this artist’s later paintings, a tree seems to hold onto a pole for use as the title *Walking Stick*. One of this artist’s scenes of a familiar couple shows an old woman with a white hat looking forward at her husband, who stares off as he holds up a rifle with his arm. A boy wearing a heavy winter-coat walks down a hillside in this artist’s painting *Winter, 1946*, which is set by the same place this man’s (*) father, the illustrator of many works like *Treasure Island*, died in a car crash. This artist painted his neighbor Karl Kuerner’s caregiver, the German model Helga Testorf, over two-hundred times. In one of the most iconic 20th century paintings in American art, this man painted his polio-stricken neighbor reaching for a house in the distance. For 10 points, name this artist of *Christina’s World*.

ANSWER: Andrew Newell Wyeth <Painting, PC>

7. This colony’s Timucua people under chief Saturiwa were depicted in Jacques le Moyne’s drawings. This colony organized an all-black militia that settled Fort Mose [mo-SAY]. A travelogue titled *Shipwrecks* was written by a survivor of an expedition that first landed in this colony before heading west. This colony’s first governor massacred Huguenots at Fort Caroline, and was named (*) Pedro Menendez de Aviles. Pánfilo de Narváez led a failed expedition here whose survivors included Alvar Nuñez Cabeza de Vaca. The search for a fountain of youth may have inspired its first European colonist, Juan Ponce de Leon. The oldest permanent European settlement in the United States is in – for 10 points – what southeastern state, ceded by the Adams-Onís Treaty, where St. Augustine is found?

ANSWER: Spanish Florida [or La Florida; prompt on New Spain; prompt on Captaincy(-General) of Cuba] <AmHist, RY>

8. This non-Gandhi thinker argued that the only principle that could free Indians from colonial rule is love in *A Letter to a Hindu*. This thinker organized a Russian translation of the work of Henry George, whose influence can be seen in a book he serialized in the magazine *Niva* to procure funds for the emigration of the Doukhobors. Many of this thinker’s ideas about Christian anarchism are collected in (*) *The Kingdom of God is Within You*. This author followed the redemption of the young man Dmitri Nekhlyudov [nekh-LYOO-doff] in the novel *Resurrection*. He included substantial French dialogue in a novel whose character Andrei Bolkonsky fights Napoleon’s invasion of Russia. For 10 points, name this Russian nobleman, the author of *War and Peace*.

ANSWER: Leo Tolstoy [or Lev Tolstoy] <Other, WA>

9. The last paragraph of a book about this war describes the author's fantasy of ice skating "across the surface of my own history." A young doctor's diary of this war is titled *Last Night I Dreamed of Peace*. In a section titled "Notes," a man is disappointed that his story about this war lacks "the terrible killing power of that shit field." A writer earned fame with his memoir of this war titled *If I Die in a* (*) *Combat Zone*. In a book about this war, the writer decides to go to this war when he and Elroy Berdahl fish on the banks of the Rainy River. Men like Curt Lemon, Ted Lavender, and Kiowa are killed in this war in a book whose title objects include letters from Martha, Lt. Jimmy Cross's sweetheart. For 10 points, name this war that inspired *The Things They Carried* by Tim O'Brien.

ANSWER: Vietnam War [accept Second Indochina War] <OLit, RY>

10. A high-spin octahedral complex with either 9 or this many d electrons will experience strong Jahn-Teller distortion. Boranes with nido ["NYE"-do] geometry have this many more hydrogens than borons in their formula. A geometry with this many ligands will have nearly the same splitting pattern as a linear complex, except the levels will be inverted. A linear triatomic molecule such as carbon dioxide will have this many (*) vibrational degrees of freedom. This is the coordination number of a complex in the point group T_d [T-sub-d] as well as the number of bonds in a molecule with see-saw geometry. VSEPR ["vesper"] theory predicts that a molecule with this many bonds and no lone pairs will have bond angles of 109.5 degrees. For 10 points, name this number of bonds in the tetrahedral and square planar geometries.

ANSWER: four <Chem, AW>

11. In a book about this character from the work of literature he's in, the bourgeois is defined as a search for moderation between extremes like profligacy and asceticism. This character goes home from a bar with hopes of learning the foxtrot, dissuading him from killing himself on his 50th birthday. He sees his favorite of the immortals, Mozart, with bourgeois eyes according to a treatise about himself given to him on the street. At the Black Eagle cafe, this character guesses the name of a woman who bears a (*) resemblance to a childhood friend. He pays the "small price" of his mind to enter a hall of mirrors behind an entrance labeled "for madmen only." He stabs Hermine after she bangs the saxophonist Pablo in the Magic Theater. For 10 points, Harry Haller is the name of what dual-natured title character of a Herman Hesse novel?

ANSWER: The Steppenwolf [or *Der Steppenwolf*; accept "Treatise on the Steppenwolf"; accept Harry or Haller until they are read] <EuroLit, WA>

12. This country was led by a coalition of landowners and manufacturers called the "Marriage of Iron and Rye." A leader of this country demanded that it receive a "place in the sun" as part of his "World Policy." Another leader of this country pursued a foreign policy called the "New Course" and came to power after an event depicted by John Tenniel in the cartoon (*) "Dropping the Pilot." The Algeciras Conference resulted from a speech given by a ruler of this country, who incited another crisis by sailing his gunboat *Panther* into the port of Agadir in Morocco. This country built the Kiel Canal under the advice of Admiral Tirpitz. For 10 points, name this country which used the Schlieffen Plan at the beginning of World War I during the reign of Kaiser Wilhelm II.

ANSWER: Germany [or German Empire; or Kaisertum Deutschland] <EuroHist, JZ>

13. An award for contributions to the economics of this good is named for Jacob Viner, who is often considered the "father" of the economics of this good. This is the good most commonly illustrated with a supply curve that bends backward in the long run. Challenges in the market for this good are illustrated by the "coconut model" of Peter Diamond, which illustrates search theory. Michael Spence's work on (*) signalling applies to the market for this good, which a "closed shop" can create a monopoly on. This *human* component in a Cobb-Douglas function is, along with capital and land, one of the three basic production inputs. It's graphically shown as a tradeoff with leisure. For 10 points, identify this good provided in exchange for wages.

ANSWER: (wage) labor [accept any kind of labor; prompt generously on work] <SocSci, WA>

14. This event is foreshadowed in a short poem in which a question about weeping maidens who toss sails into the air reveals the identity of the traveller Vegtam. The instigator of this event is killed by a newborn deity who refuses to wash his hands or comb his hair until he does so. During a commemoration of this incident, a bonfire consumes a self-duplicating ring and the goddess (*)

Nanna. The mastermind of this event is bound in a cave using the entrails of his son, as poison drips onto his face. Nearly everything in the world is made to promise never to hurt its victim in an attempt to prevent this crime, which Loki orchestrates by deceiving the blind god Hodr. For 10 points, in what event was a beautiful Norse god slain using a spear of mistletoe?

ANSWER: the death of Baldr [or obvious equivalents, like (accidental) murder of Baldr] <Myth, EK>

15. In Sam Lloyd's treatise about the "eighth book" of these objects, he presents a paradox involving two monks of similar size made of these objects, one of which has a leg, the other of which does not. The Western counterpart to these objects are called the stomachions, which are used to complete the locus of Archimedes. A theorem proved by Fu Traing Wang and Chuan-Chin Hsiung showed that there are only thirteen ways to generate (*) convex shapes using these objects. The simplest such shape formed by these objects is a giant square, half of which is comprised by its two largest pieces. Two large triangles, one medium triangle, two small triangles, a square, and a trapezoid, comprise – for 10 points – what set of seven shapes developed by the Song Dynasty and often used in recreational mathematics?

ANSWER: tangrams <OSci, IJ>

16. Two girls in a short poem by this author repeat the line "We were very tired, we were very merry" while taking the ferry back home after a night out. The speaker of another poem by this author of "Recuerdo" advises a former lover to "make the most of... your little day," because "I shall forget you presently." This author first gained national fame with a poem whose speaker "sank... Full six feet below the earth" after being crushed by "infinity" while trying to touch the sky; that poem by this author opens, (*) "All I could see from where I stood / Was three long mountains and a wood." This author declares, "My candle burns at both ends; / It will not last the night" in "First Fig." For 10 points, name this poet who wrote the collection *A Few Figs From Thistles*, as well as the long lyric poem "Renaissance."

ANSWER: Edna St. Vincent Millay <AmLit, JC>

17. In this country, guerillas from the 19th of April Movement were often hired as assassins. Corporations, landowners, and criminal leaders in this country sponsored the MAS, an [emphasize] anti-kidnapping paramilitary group. A man from this non-Mexico country described his policy of killing opponents who didn't take bribes with the phrase "silver or lead." Vigilantes called "Los Pepes" in this country opposed an organization whose leader was hunted by Hugo Martinez's (*) Search Bloc; that group's main rival was based in this country's city of Cali. Its president Alvaro Uribe cracked down on a communist paramilitary organization that formed in the wake of "La Violencia." For 10 points, identify this country home to the FARC movement and Pablo Escobar's Medellín [meh-deh-YEEN] cartel.

ANSWER: (Republic of) Colombia [or República de Colombia] <WorldHist, WA>

18. This theory adds a one over two times energy term to the differential phase space element. This theory predicts that a particle travelling in a curved path undergoes precession proportional to the cross product of acceleration with velocity. In this theory, the dot product is redefined such that the product of the zeroth terms of the two vectors is *subtracted* rather than added to the other terms. In this theory, (*) energy and momentum are unified into a four-vector. The Lorentz transformations are used to convert between reference frames in this theory, which predicts that length contraction and time dilation occur when objects speeds approaching the speed of light. For 10 points, name this theory developed by Einstein in 1905 several years before a related "general" theory.

ANSWER: special relativity [or SR; prompt on relativity] <Phys, BB>

19. This composer's Piano Sonata No. 1 begins with an F minor arpeggio from middle C up an octave-and-a-half to A-flat, all in staccato quarter notes. A tarantella is the third movement of a violin sonata by this composer whose first movement is in A minor, despite the piece being in A major. Another of his violin sonatas is titled *Spring*. This composer quoted Russian themes in a set of three string quartets he wrote for Count (*) Razumovsky. His Piano Sonata No. 8 includes a tranquil *Adagio cantabile* middle movement. This composer's thirty-two piano sonatas include *Hammerklavier*, *Pathétique*, and one in C-sharp minor whose opening movement was said to evoke the reflection of the title object on a lake at night. For 10 points, name this composer of the *Moonlight* Sonata.

ANSWER: Ludwig van Beethoven <Music, EK>

20. A critique of this philosopher's early theory of logic by Frank Ramsey led to the revisions presented in this philosopher's only academic paper, "Some Remarks on Logical Form." This thinker thought quantification could lead to an infinite conjunction of propositions and thus objected to Frege and Russell's universal logic. This thinker stated "a thought is a proposition with a sense" in a book that argues that a word's meaning is equivalent to its use in language, which is called the (*) "picture theory" of meaning. He used common connections called "family resemblances" to link illustrative examples of the interweaving of speech and everyday life, called "language games," and used the "beetle in a box" to argue private languages are impossible. For 10 points, name this author of *Philosophical Investigations*.

ANSWER: Ludwig Wittgenstein <Phil, WA>

IF THE GAME IS A TIE AFTER REGULATION: Report to the tournament director. Then, read a bonus from the tiebreakers packet that the tournament director determines the team has not yet heard.

BONUSES

1. Cecil Graham enrages a character in this play when he shows him the play's title object, and concludes that Lord Darlington is having a woman over. For 10 points each:

[10] Name this comedic play about a woman who suspects her husband after learning he sends money to a woman named Mrs. Erlynne, only to discover that Mrs. Erlynne is her mother.

ANSWER: Lady Windermere's Fan

[10] This Irish writer of *Lady Windermere's Fan* earned great success with his play *The Importance of Being Earnest*, and also wrote the novel *The Picture of Dorian Gray*.

ANSWER: Oscar **Wilde** [Oscar Fingal O'Flahertie Wills Wilde]

[10] Wilde wrote his play *Salome* in French. This other play by an Irishman was also originally in French; it features two men who think about hanging themselves from a tree, and meet a boy who tends goats for the title character.

ANSWER: Waiting for Godot [or En attendant Godot] <BritLit, RY>

2. This term is used to refer to Syria and the Eastern Mediterranean in general. For 10 points each:

[10] Give this somewhat old-fashioned, English language geographic name, commonly used today as part of "Islamic State of Iraq and [this region]," the White House's preferred name for a recently established caliphate.

ANSWER: The **Levant**

[10] This organization was formerly known as "al-Qaeda in the Levant" before it officially split from al-Qaeda in July 2016 and renamed itself "Front for the Liberation of the Levant." Its presiding *emir* is Abu Mohammad al-Julani.

ANSWER: al-**Nusra** Front [or Jabhat al-**Nusra**]

[10] Al-Nusra's split with al-Qaeda is rumored to have come after talks with this tiny oil-rich country, which continues to be a major source of terrorist financing. It will host the World Cup in 2022.

ANSWER: (State of) **Qatar** <Other, WA>

3. The first of these entities to be discovered was 944 Hidalgo in 1920, but they weren't formally recognized as a distinct population until 1977. For 10 points each:

[10] Name these astronomical objects whose name references their shared characteristics and behaviors with *both* comets and asteroids.

ANSWER: **centaurs**

[10] Centaurs originate within this region of the solar system. This circumstellar disc is the source of many short-period comets and is located between 30 and 50 AU from the sun.

ANSWER: Edgeworth-**Kuiper Belt**

[10] Another notable population within the Kuiper Belt is that of these objects. These trans-Neptunian objects exists in a 2:3 orbital resonance with Neptune and compose roughly one quarter of all Kuiper Belt objects.

ANSWER: **plutinos** <OSci, RH>

4. This thinker outlined three key principles for the formulation of effective questionnaires in the paper "The Art of Asking Why." For 10 points each:

[10] Name this sociologist who pioneered data-based sociology as head of the Bureau of Applied Social Research at Columbia. C. Wright Mills criticized the methods that this thinker developed for their "abstract empiricism."

ANSWER: Paul **Lazarsfeld**

[10] As head of the Radio Research Project, Lazarsfeld aimed to study the social effects of this thing's "mass" type, which includes newspapers and television stations and communicates to wide audiences.

ANSWER: (mass) **media**

[10] Lazarsfeld and this other sociologist coined the term "narcotizing dysfunction" to describe the effects of media inundation. This theorist coined the term "self-fulfilling prophecy."

ANSWER: Robert K. **Merton** <SocSci, WA>

5. The Oyo state was the greatest non-Islamic pre-colonial power in what is now this country. For 10 points each:

[10] Identify this West African country, which grew out of a British colony that administered peoples like the Igbo and Yoruba. The Portuguese founded its city of Lagos [LAY-guss].

ANSWER: (Federal Republic of) **Nigeria**

[10] These West African people, who mostly live in Niger and Northern Nigeria, had a number of important trading cities that mediated trade between empires like Bornu and Mali. Since Usman dan Fodio's jihad, they have intermingled with the Fulani.

ANSWER: **Hausa** people

[10] This city in northern Nigeria has been the major center of Hausa culture since the 10th century, as related by its namesake Chronicle of Hausa history. This city became the capital of a Fulani emirate after 1805.

ANSWER: **Kano** <WorldHist, WA>

6. Although this hero treacherously strikes Duryodhana with a fatal blow to the thighs, it is explained that he has upheld *dharma* because Duryodhana has also used treachery. For 10 points each:

[10] Name this mace-wielding Pandava noted for his large appetite and his brutality. He slays all one hundred Kaurava brothers at the end of the Kurukshetra War.

ANSWER: **Bhima** [or **Bhim**]

[10] This younger brother of Bhima avenges the humiliation of his wife Draupadi by slaying Karna in single combat when the latter is distracted by his temporarily immobilized chariot.

ANSWER: **Arjuna** [or **Arjun**]

[10] The war between the Pandava and Kaurava brothers is the climax of this lengthy Hindu epic that contains the *Bhagavad Gita*.

ANSWER: **Mahabharata** [or **Mahabharat**] <Myth, EK>

7. This writer worked with Morrie Ryskind and the Gershwin brothers on a 1931 musical in which the Supreme Court forgives a breach of promise on account of delicious corn muffins. For 10 points each:
[10] Name this author of *Of Thee I Sing*, in which John P. Wintergreen campaigns for the presidency on a platform of "love." This author's collaboration with Moss Hart yielded plays like *The Man Who Came to Dinner* and *You Can't Take It With You*.

ANSWER: George S. **Kaufman** [George Simon **Kaufman**]

[10] *Of Thee I Sing* was the first musical to win this American literary award in Drama, which was established by a newspaper magnate. The ninth and most recent winner of this award was Lin-Manuel Miranda's 2016 *Hamilton*.

ANSWER: **Pulitzer** Prize in Drama

[10] In 1996, this musical containing the number "One Song Glory" won the Pulitzer in Drama. In this rock musical based on *La Bohème*, a group of poor artists live in the East Village during the HIV/AIDS epidemic.

ANSWER: **Rent** <AmLit, JC>

8. During this process, sonic hedgehog causes formation of the floor plate. For 10 points each:

[10] Name this process which sees the folding of a namesake plate, and results in crest cells which eventually become melanocytes and glia.

ANSWER: **neurulation** [or descriptive answers along the lines of **formation** of the **neural tube**]

[10] Because the neural tube forms from the folding of the neural plate, the nervous system is derived from this outermost germ layer.

ANSWER: **ectoderm**

[10] Development of germ layers during gastrulation occurs to one of these things, which forms from a zygote after blastulation, gastrulation, and organogenesis, and eventually becomes a fetus.

ANSWER: **embryo** <Bio, AW>

9. This man's namesake institute published a 1966 report aiming to eradicate poverty with "A Freedom Budget for All Americans." For 10 points each:

[10] Name this civil rights activist who founded the Brotherhood of Sleeping Car Porters to unionize employees of the Pullman Company. He organized the 1963 March on Washington with Bayard Rustin.

ANSWER: A. Philip **Randolph** [Asa Philip **Randolph**]

[10] This leader criticized the March on Washington in his "Message to the Grass Roots" speech. Alex Haley coauthored his autobiography, and he was assassinated by Nation of Islam members in the Audubon Ballroom.

ANSWER: **Malcolm X** [or el-Hajj Malik el-**Shabazz**; or Malcolm **Little**]

[10] This activist was leader of the NAACP from 1955 to 1977, succeeding Walter White. He had earlier edited W.E.B. Du Bois's *The Crisis* magazine, and was known for opposing militancy in the civil rights movement.

ANSWER: Roy **Wilkins** <AmHist, RY>

10. A woman in red and a man in black can be seen hovering in front of a mountain in a work from this series, *Asmodea*. For 10 points each:

[10] Name this series of fourteen paintings that include a painting of a duel with clubs titled *Fight with Cudgels*.

ANSWER: Black Paintings [or Pinturas Negras]

[10] The Black Paintings were created by this Spanish artist, who depicted a Christ-like figure before a firing squad in *The Third of May, 1808*.

ANSWER: Francisco José de Goya y Lucientes

[10] This work from the *Black Paintings* shows a woman in a veiled black dress leaning on a large mound-like structure. Goya's *The Milkmaid of Bordeaux* is often said to show the same figure or her daughter Rosario.

ANSWER: *La* Leocadia [or *The* Seductress; or Doña Leocadia; accept "*Una Manola*"] <Painting, PC>

11. This title was first bestowed upon Hasan Ali Shah by a member of the Qajar [KA-jur] dynasty. For 10 points each:

[10] Give this title taken by the leader of the Nizari Isma'ili movement, which consists of two honorary titles of Turkic origin.

ANSWER: Aga Khan (of any specific number)

[10] A court decision allowing Hasan Ali Shah to take the title Aga Khan took place in this country, home to the second-most Muslims in the world behind Indonesia. Its Babri mosque is found in the city of Ayodhya.

ANSWER: (Republic of) India [accept British India]

[10] The current Nizari leader, Aga Khan IV, was actually born in this country, which enacted a controversial ban on mosque minarets through referendum in 2009.

ANSWER: Switzerland [or Swiss Confederation, Confoederatio Helvetica, Suisse, Schweiz, Svizzera, etc.] <Rel, WA>

12. In this novel, a pamphlet claims that "the ancestors shriek" and explains the Liberation Army's motives for rebelling against a dictator who disbands the Youth Guard. For 10 points each:

[10] Name this novel about Salim, an Indian businessman whose shop is nationalized after a trip to London and whom Ferdinand saves from accusations of selling ivory on the black market.

ANSWER: *A* Bend in the River

[10] Salim sees a motto inscribed on a ruined monument near the town's dock that inverts a quote taken from this ancient Roman poet of *The Aeneid*.

ANSWER: Virgil [Publius Vergilius Maro]

[10] This Trinidadian author of *A Bend in the River* also wrote another novel about a man who moves into Hanuman House after marrying Shama, a daughter of the Tulsi family.

ANSWER: V.S. Naipaul [Vidiadhar Surajprasad Naipaul] <OLit, RY>

13. This style developed in the late 1960s due to the efforts of groups such as Weather Report, a collaboration between Joe Zawinul and Wayne Shorter. For 10 points each:

[10] Name this style used to write an album whose opening track, "Shhh/Peaceful," features instruments such as the electric guitar and the organ.

ANSWER: jazz fusion [or jazz rock]

[10] John McLaughlin plays electric guitar on this 1970 Miles Davis album that opens with Zawinul's "Pharaoh's Dance" and features the fourteen-minute track "Miles Runs the Voodoo Down."

ANSWER: Bitches Brew

[10] Miles Davis played this three-valved brass instrument used by Dixieland composer Louis Armstrong.

ANSWER: trumpet <OArts, EK>

14. This person successfully led the campaign to abolish the slave trade in Britain in 1807. For 10 points each:

[10] Name this person who died just days before slavery was abolished in Britain in 1833. This tireless social campaigner founded the Society for the Suppression of Vice and the first animal welfare organization.

ANSWER: William **Wilberforce**

[10] The campaign to end the slave trade in Britain was partly motivated by reports of the horrendous conditions in this route from Africa to the Americas, during which a shocking number of slaves died.

ANSWER: **Middle Passage**

[10] Wilberforce was also the leader of this group of religious reformers, based in a namesake district of London. Henry Thornton was another influential member of this group, which published a journal called the *Christian Observer*.

ANSWER: **Clapham** sect [accept other words for “sect” like “group,” “saints”] <Brit/ClassHist, JZ>

15. The quantity generated by these circuit elements is written as L . For 10 points each:

[10] Identify these circuit elements that comprise the main circuit elements along with resistors and capacitors. They usually consist of circuit wires wound into coils and are drawn as such on circuit diagrams.

ANSWER: **inductors**

[10] For an inductor, this quantity is equal to the component’s inductance multiplied the time derivative of the current flowing through the inductor.

ANSWER: the **voltage** across the inductor [or **electromotive force**; or **EMF**]

[10] For an RLC circuit, this quantity has a direct relationship with the resistance, and can be shown to equal resistance over inductance. It is inversely proportional to the Q factor.

ANSWER: **bandwidth** <Phys, WA>

16. Pentatonic scales dominate this composer’s two *Arabesques* for solo piano, as well as the “Pagodes” movement of his *Estampes*. For 10 points each:

[10] Name this composer of preludes such as “The Sunken Cathedral” and “Footprints in the Snow.”

ANSWER: Claude **Debussy** [or Achille-Claude **Debussy**]

[10] Debussy’s music draws from both Symbolism and this artistic movement that uses ambiguous scales and harmonies to evoke abstract feelings and perceptions rather than concrete images.

ANSWER: **impressionism** [or word forms]

[10] This composer’s *Nights in the Gardens of Spain* mixes Impressionist influences with elements of flamenco. One of his ballets includes the “Ritual Fire Dance.”

ANSWER: Manuel de **Falla** [or Manuel de **Falla** y Matheu] <Music, EK>

17. The molecule choline typically exists as one of these compounds with some negative counterion. For 10 points each:

[10] Name this type of compound. One of them is formed at the beginning of the Hofmann elimination in the exhaustive methylation step, and they are always cationic in nature regardless of the pH of the solution.

ANSWER: quaternary ammonium cations [accept quaternary ammonium salts; accept quaternary amines]

[10] Quaternary ammonia salts are commonly used as this sort of compound by allowing reactants to transfer between phases. This sort of compound increases the rate of a reaction but does not participate in the reaction.

ANSWER: catalyst

[10] Another type of compound used as a phase-transfer catalyst are the large cyclic variants of this functional group known as their “crown” type. Epoxides are also a cyclic form of this functional group with formula R-O-R.

ANSWER: ethers <Chem, AW>

18. This writer profiled Vico, Hamann, and Herder in the book *Three Critics of the Enlightenment*. For 10 points each:

[10] Name this philosopher, who categorized writers according to whether they emphasize one big idea or many smaller ideas in his popular essay “The Hedgehog and the Fox.”

ANSWER: Isaiah Berlin

[10] A lecture by Isaiah Berlin distinguishes “negative” and “positive” forms of this concept, the latter of which is exemplified by citizenship. John Stuart Mill’s book titled *On* [this concept] outlines the “harm principle.”

ANSWER: liberty

[10] Berlin argued that having this kind of position with regards to values is acceptable, since there are situations where you can’t make a reasoned choice about values; his view is opposed by monists, such as Ronald Dworkin.

ANSWER: pluralism [accept word forms, such as pluralist position] <Phil, WA>

19. This territory was divided into *sestieres* like Dorsoduro based on its ruling city. For 10 points each:

[10] Name this region purchased from Boniface of Montferrat after the Fourth Crusade. It faced the Revolt of Saint Titus and was finally conquered in 1669 after a 21-year siege by Koprulu Ahmed Pasha.

ANSWER: Crete [or Kriti; accept Duchy or Kingdom of Candia]

[10] The Duchy of Candia was a colony on Crete ruled by this city. This city crisscrossed by canals was ruled by Doges like the blind Enrico Dandolo, who sacked Constantinople during the Fourth Crusade.

ANSWER: Venice [or Venezia]

[10] Despite losing Candia to the Ottomans, Venice played a large role in winning this 1571 naval battle against the Ottoman Empire. Pope Pius V organized the Christian alliance that fought this battle under Don Juan of Austria.

ANSWER: Battle of Lepanto <EuroHist, JZ>

20. This poet wrote many famous *tagelied*, and his most celebrated epic contains the first appearance of the Knight of the Swan, Loherangrin. For 10 points each:

[10] Name this greatest of the *Minnesangers* who wrote *Titarel*, which was an unfinished prequel to his greatest epic.

ANSWER: Wolfram von **Eschenbach** (the epic is *Parzival*)

[10] Eschenbach's *tagelied* and the French troubadours' *alba* both poeticized lovers parting during this time of day, sometimes upon a watchman's notification. The *aubade* poetic form comes from those verses about this time of day.

ANSWER: **dawn** [accept answers like **sunrise**; prompt on morning]

[10] Medieval French and German literature shared the quest for this object from Arthurian mythology as a motif. In Eschenbach's epic, Parzival is alienated from God after failing to ask the Fisher King about this object, which later legends interpret as a cup.

ANSWER: the Holy **Grail** <EuroLit, JC>

IF ADDITIONAL BONUSES ARE NEEDED: Report to the tournament director. Then, read a bonus from the tiebreakers packet that the tournament director determines the team has not yet heard.