

**Western Invitational Tournament 2013**  
**Packet by University of Ottawa (Jordan Palmer) and Rutgers-New Brunswick**

**Tossups**

1. **The most famous poet from this city asked residents to exalt it “till these echoes be choked with snows” in an ode to it that begins “*Sicut Patribus, sit Deus Nobis*”. Caddy leaves her home and explores the sketchier parts of this city in *The Sound and the Fury*. Julian West’s bizarrely long (\*) nap begins and ends in this city in Edward Bellamy’s *Looking Backward*. Olive Chancellor and Verena Tarrant attend feminist events in this city, which Basil Random is visiting when he encounters them. In a novel in which Penelope marries Tom Corey, the failure of a paint business leads Silas Lapham to return to Vermont from this city. For 10 points, name this city in New England, whose residents are the title subjects of a Henry James novel.**

ANSWER: **Boston**

2. **Gananath Obeyesekere places this phenomenon in its cultural context in an essay about this, “Buddhism, and Work of Culture in Sri Lanka.” In animals, it is often assessed using the tail suspension and forced swimming tests. The PHQ-9 is a rating scale specific to this phenomenon, which was first modeled as a triad by Aaron T. Beck. Though it has fallen out of favor, (\*) electroconvulsive therapy is still sometimes used to treat this condition, which was linked to learned helplessness by Martin Seligman. Subtypes of this condition include seasonal affective disorder and a “postpartum” variety experienced by women after giving birth. For 10 points, Zoloft is often used to treat what mental disorder which manifests itself as low mood, self-esteem, and pleasure?**

ANSWER: clinical **depression** [or major **depressive** disorder; or **MDD**; or **unipolar** depression; or **unipolar** disorder; or **recurrent depression**; accept **seasonal affective disorder** before mention; accept subtypes like **postpartum depression** at all points]

3. **This novel’s protagonist studies Athalaric, a Gothic king whose vices he compares to his own. Despite the incompetence of the woodcutter Heurtevent, the title character of this novel continues to employ him at his Normandy estate, La Morinière, which is overseen by Charles and Bocage. Eventually, the protagonist of this novel teaches in Paris, where he meets a recent traveler to Biskra named (\*) Menalque, who gives him a pair of scissors that he had been taken from his wife. In the novel’s final part, the title character is taken to a prostitute by Moktir. In this novel, the death of Marceline leaves her husband Michel alone in North Africa, where he indulges in his lust for boys. For 10 points, name this novel about a scholar-turned-sensualist by Andre Gide.**

ANSWER: *The* **Immoralist** [or *L’Immoraliste*]

4. **One piece by this composer was revised so that the accompanist played constant duplets instead of constant triplets; in that work, the singer uses different tones to express the words of the father, son, and narrator. In another piece by this composer, the accompanying piano slows down and stops playing triplet sixteenths as the title character imagines receiving a (\*) kiss while working. A song cycle by this composer includes a movement in which a stranger reflects upon the namesake tree in “Der Lindenbaum.” This composer’s *Der Erlkönig*, *Gretchen at the Spinning Wheel*, and *Die Winterreise* are among his many lieder. He also wrote an orchestral work in B minor that has an incomplete Scherzo movement. For 10 points, name the Austrian composer of the *Unfinished Symphony*.**

ANSWER: Franz **Schubert**

5. **Paul Wittek attributed this practice to the Slavs’ late conversion to Christianity and the Greek Church’s attempts to re-establish ecclesiastic power. The etymology of the word *cilik*, which describes people subject to this practice, has led some scholars to compare it to the *penjik*, a tax placed on gazi captives. Idris Bitlisi’s history attributed this practice to Orhan’s troubles with the (\*) Yaya infantry, but other sources name Murad I as its originator. This practice was used to create a loyal military and civil leadership disconnected from familial ties. Its Turkish name comes from the verb “to collect”, but among Balkan Christians it is often called the “blood tax.” The Janissaries were conscripted by, for 10 points, what Ottoman practice of collecting Christian children?**

ANSWER: **Devshirme** [or **Devsirme**; accept “Blood Tax” until it is mentioned; accept **“Recruitment of the Janissaries”** or similar answers before Janissaries are mentioned]

6. The first piano improvisation in this album's second track recapitulates the final phrase of the saxophone with a descending D-Bb-G-D sixteenth note arpeggio rising back to a D-F-F triplet. This album's fourth track features the pianist alternating between two measures in three and two measures in four for most of its duration. Those two tracks in this album are (\*) "Strange Meadow Lark" and "Three to Get Ready". This album takes its name from its use of unusual time signatures, including a song with 9/8 time broken up into a 2+2+2+3 rhythm in imitation of zaybek music, and another written by Paul Desmond in 5/4. For 10 points, name this album by the Dave Brubeck Quartet, which includes the songs "Blue Rondo a la Turk" and "Take Five."

ANSWER: Time Out [accept "Strange Meadow Lark" before "alternating"]

7. This statesman convinced followers to shift their loyalties from their *phratry* to their *deme*. He split Attica into three parts and further divided it into counties called *trittyes*. This man's father supposedly ordered the deaths of Cylon's followers after assurances that they would be spared, and was publicly (\*) cursed. Isagoras later effected an intervention by the Spartan king Cleomenes I to exile this figure, which quickly backfired when an uprising by this man's supporters trapped them on the Acropolis. This politician enlarged the Solonian Council from 400 to 500 members, soliciting 50 representatives apiece from ten newly minted tribes to replace the four Ionic blood tribes. For 10 points, name this son of Megacles, an Alcmaeonid archon and founder of Athenian democracy.

ANSWER: Cleisthenes

8. The world's largest natural river bifurcation is located in this nation, where the Casiquiare River acts as a natural canal between two larger streams. This nation finances a music education program for youth called El Sistema. The largest city along this nation's namesake gulf is the birthplace of *gaita* music. This nation's border dispute with a smaller neighbor involves a claim to all land west of the Essequibo River. The Rafael (\*) Urdaneta Bridge connects Maracaibo to the rest of this country. This nation derives much of its income from its vast oil reserves, some of which are found in the Orinoco River delta. For 10 points, name this nation with its capital at Caracas.

ANSWER: Bolivarian Republic of Venezuela

9. In the background of one work by this artist, the subject sits in front of a mirror-reversed depiction of Renoir's *Ball at the Moulin de la Galette*. This artist of *Self-Portrait at the Easel* also painted a work in which a man in a light grey suit covers his face with his right hand while looking over the side of the title object, while a brown dog walks behind him. This artist also painted a work in which three young men without shirts perform the title (\*) manual labor on their knees in a mostly bare room. This artist of *The Bridge of Europe* and *The Floor-Scrapers* painted a work in which a couple on the right walk in front of a lamppost while holding a blue umbrella. For 10 points, name this French impressionist painter of *Paris Street; Rainy Day*.

ANSWER: Gustave Caillebotte

10. Compound 19 was abandoned after this disease escaped from a military base to infect the city of Yekaterinburg in 1979. During World War II, several British scientists experimented with this disease on Gruinard Island. Jean-Joseph Henri Toussaint used bichromate inactivation for his vaccine against this disease, but the credit for its creation went to (\*) Louis Pasteur. It's not tuberculosis or cholera, but Robert Koch purified this disease's causative agent and found that it forms endospores. Bruce Ivins propagated the "Ames" strain of this disease's bacteria, along with messages like "TAKE PENACILIN NOW" and "DEATH TO AMERICA" in September 2001. For 10 points, name this bacterial disease known for its use in bioterrorism.

ANSWER: anthrax

11. One part of this country was invaded by Turgut Reis and Sinan Pasha, who sent its entire population to Libya as slaves; that part of this country is also home to the neolithic Xaghra Stone Circle. Tancred of Sicily appointed Grand Admiral of Sicily Margaritus to the rank of Count of this country. In modern times, Operation Pedestal was a costly attempt to supply this country during World War II, after which it was awarded the (\*) George Cross for its bravery as an "island fortress." The fort of St. Elmo fell during a siege of this island, during which it was defended by Jean de Valette's Hospitallers. For 10 points, name this Mediterranean island which has famously withstood both an Ottoman siege and Axis bombardment.

ANSWER: Malta

12. In an essay about “Trying to Understand” this play, Theodor Adorno calls a discussion in which a character states his love for old questions a criticism of ontology. A character in this play states that “all is corpses” after looking through a telescope. One character in this play refuses to provide his employer a lap rug, a painkiller, and a kiss. Mother Pegg is killed by a man who vows to outlive his (\*) father, who suffered a tandem bicycle accident and lives in a trash can with his wife in this play. That man reminisces about his youthful love for Nell, who dies during this play. For 10 points, name this play which concludes with Clov leaving his abusive master Hamm, by Samuel Beckett.

ANSWER: Endgame [or Fin de partie]

13. This text has been used to advocate for certain kinds of suicide due to the depiction in its twenty-third chapter of a self-immolation. It is repeatedly invoked as divine protection in *Tales of Times Now Past*. The argument for the need for “expedient means” is presented with a parable about a man saving his children from a burning house. The twenty-fifth chapter of this text introduced the (\*) bodhisattva Avalokiteshvara. It is foundational to the Nichiren and Tendai schools and states that all, even Devadatta and a naga, can attain Buddhahood. For 10 points, name this Mahayana Buddhist sutra named for a flower.

ANSWER: Lotus Sutra [or Saddharma Pundarika Sutra or The Lotus of the Wonderful Law or The Lotus Rule for Good Dharma; accept equivalents for the last, like “The Lotus Flower Formula for Good Dharma”; they only need to say Lotus after “sutra” is read]

14. The motion of these objects was studied using a Poincare map by Hénon and Heiles. Different types of these objects are frequently modeled as polytropes of various indices, and thus satisfy the Lane-Emden equation. The Saha equation is used in the classification of these objects. These objects are divided into population (\*) one, two, and three types based on their ages. When the Jeans criterion is satisfied, gravitational collapse leads to their formation. “Oh, be a fine girl, kiss me” is a common mnemonic for their spectral classification. The CNO cycle and the proton-proton chain reaction occur in them, and they are on the main sequence while fusing hydrogen. For 10 points, name these gravitationally-bound balls of plasma undergoing fusion.

ANSWER: stars

15. A black one of these animals lays white eggs in the second act of Derek Walcott’s *Dream on Monkey Mountain*. The protagonist of Amos Tutuola’s *My Life in the Bush of Ghosts* is buried alive and subsequently dug up by ghosts who eat these animals. A girl’s failure to obey her parents leads God to turn her into this animal in Gabriel García Márquez’s “A Very Old Man with Enormous Wings”. Because Kandata spared one of these animals, the (\*) Buddha offered a means for him to escape from Hell in a Japanese short story. Molina narrates films to his cellmate, Valentin, in a novel named for this animal’s “kiss”. For 10 points, name this animal, which spins a web in an Akutagawa story about its “thread”.

ANSWER: spiders

16. In one novel, a character tries to provoke a war between this country and the German Union while involved with the “Grand Army.” Besides that novel about Hodge Backmaker, another novel partially set here uncovers the role of Pompey in a Marxist uprising in this country. In that novel, the 13th president of this country is a representative of the (\*) Freedom Party. Besides that series of novels culminating in Jake Featherston’s death, another novel set in this country saw time-travelers provide its soldiers with AK-47s at the Battle of the Wilderness. For 10 points, name this country which, in alternate histories by Ward Moore and Harry Turtledove, won the Civil War.

ANSWER: The Confederate States of America [or CSA]

17. In 2008, some of the bacteria in Richard Lenski’s ongoing *E. coli* evolution experiment adapted the ability to use this compound as a source of carbon. It’s not gluconic acid, but the vast majority of industrial production of this compound involves the use of *Aspergillus niger* fungi. Along with PEP, this compound allosterically inhibits PFK-1 activity. Aconitase is an intermediate formed in the isomerization of this compound, which is formed by an aldol condensation of (\*) oxaloacetate with acetyl-CoA. Because this compound has three carboxyl groups, the “TCA cycle” is another name for its namesake cycle. For 10 points, name this compound formed in the first step of the Krebs cycle, an acid abundant in fruits like oranges and lemons.

ANSWER: citric acid [or citrate]

18. **One group of people involved in this event got their name from Morrison Munford of the Kansas City Times. A man who agitated for this event published a newspaper called the *War Chief* in which to call for it. Probably the most famous participant in this event was Nannita Daisey, who allegedly jumped from a moving train, carried out this event's central action, and jumped back on the train to repeat that action elsewhere. Authorized by an amendment to the (\*) Indian Appropriations Bill, this event officially started at noon on April 22, 1889. David Payne led a group who demanded this event called "Boomers." For 10 points, name this mad rush for stakes in the Unassigned Lands of the former Indian Territory, which involved cheaters called "Sooners."**  
ANSWER: Oklahoma Land Run of 1889 [or the Land Run of 1889; prompt on Land Run; accept answers like the settling of Oklahoma]

19. **This thinker viewed an idea as "intelligible extension rendered sensible by color or light," arguing that Descartes could not explain the impact of the soul on the senses. Another work of his categorically rejects voluntarism while arguing that our moral status is determined by the love we confer upon each echelon of "relations of perfection." A notable opponent of (\*) Antoine Arnauld, who got his works reviewed for heresy, this man viewed all perception as coming through God, who was the only true cause. He also formulated a doctrine of dualism that engendered a limited crossover between the divine and physical realms. For 10 points, name this 17th century French occasionalist who critiqued Cartesianism in *The Search After Truth*.**  
ANSWER: Nicolas Malebranche

20. **The change in magnetization in response to this quantity produced by the effective field is given by the Landau-Lifshitz equation. Slonczewski names one type of this quantity, which comes from an effect known as the spin-transfer type. When this quantity is zero, Poincaré's construction gives a solution to (\*) Euler's equations. In a non-rotating reference frame, Euler's equations set this proportional to the moment of inertia. If the angular speed is constant, a cone will be traced out in the precession this quantity induces. Power is given by the dot product of angular velocity with this quantity. This quantity is the time-derivative of angular momentum, and equals force cross lever arm. For 10 points, name this rotational analogue of force.**  
ANSWER: torque

#### Tiebreakers

21. **This god is celebrated during Panquetzalitzi. Supplanting Tonatiuh as a solar deity, he needed human hearts and lifeblood to sustain his journey across the sky and through the Underworld at night. This god is often called "the portentous one" for guiding people on a journey that ended at a (\*) cactus. Along with Tlaloc, this god was honored at the Templo Mayor, where the sacrifices mirrored his victory over Coyolxauhqui and her brothers, ending with him successfully protecting his mother Coatlicue and throwing his sister's head into the sky. This war deity was the patron of the Eagle and Jaguar knights, and the son of a ball of feathers. For 10 points, name this Aztec deity sometimes portrayed as a hummingbird.**  
ANSWER: Huitzilopochtli [or hummingbird-on-the-left]

22. **The degrees of nodes in a large Erdős-Rényi graph are approximated by this construct. Raikov's theorem states that if the sum of two independent random variables has this function, then both random variables are also distributed as such. When randomly throwing (\*) balls into bins, it gives a good approximation of the number of balls in a given bin. This distribution is used for counting arrivals in queuing when the number of arrivals in time intervals is independent and depends only on interval length, and thus is well-modeled by its namesake process. It is the limit of the binomial distribution as the number of events increases and the probability decreases so their product is constant. For 10 points, name this distribution frequently used to model rare events.**  
ANSWER: Poisson Distribution

## Bonuses

1. A massive 2007 history of this organization was written by Tim Weiner and is entitled *Legacy of Ashes*. For 10 points each:

[10] Name this independent organization within the U.S. Government whose previous directors have included Leon Panetta and George H.W. Bush. It performs counterespionage.

ANSWER: Central Intelligence Agency

[10] Just one event in the CIA's long, long list of bad decisions was this 1953 overthrow of the government of Mohammad Mossadegh in Iran coordinated by CIA operative Kermit Roosevelt Jr.

ANSWER: Operation Ajax [accept TPAJAX Project, do not accept "Operation Boot", as that was the British part of the coup]

[10] In 1952, this pilot was shot down by the USSR and captured while flying a U-2 spy plane for the CIA, causing great embarrassment for the United States.

ANSWER: Francis Gary Powers

2. Answer the following about higher education, for 10 points each.

[10] This 1987 book by Allan Bloom argues that university students stopped reading literature for pleasure and started forming social movements because of a void created by increasingly alienating course offerings.

ANSWER: *The Closing of the American Mind*

[10] Seventy years before Allan Bloom wrote that book, this American thinker decried the evaluation of colleges by business standards in his book *The Higher Learning in America*. He also wrote *The Theory of the Leisure Class*.

ANSWER: Thorstein Bunde Veblen

[10] The faculty of this university produced an 1828 report defending the classical curriculum. Among its famous faculty are Paul de Man and the author of *The Anxiety of Influence*.

ANSWER: Yale University

3. These cells are named after the bursa of Fabricius, an organ in which they develop in birds. For 10 points each:

[10] Name these white blood cells, which come in "plasma" and "memory" types. They are primarily involved in the humoral immune response, unlike T cells.

ANSWER: B cells [or B lymphocytes]

[10] B cells have the class II form of these molecules, which are used to present antigens to other white blood cells.

ANSWER: major histocompatibility complex [or MHC]

[10] According to this hypothesis, each lymphocyte has a receptor with unique specificity, they are activated when an antigen binds, and those with specificity for the body's own tissues will be destroyed before maturation.

ANSWER: clonal selection

4. He beat his son Ivan to death in a dispute over this man's treatment of his pregnant daughter-in-law. For 10 points each:

[10] Name this 16th century ruler, second-to-last of the Rurikid Dynasty, who established a standing army for his state known as the *streletsy* and a legislative assembly known as the *zemsky sobor* during his reign of Russia.

ANSWER: Ivan the Terrible [or Ivan IV or Ivan Grozny; prompt on Ivan]

[10] Ivan captured this Tatar capital city and headquarters of Safa Giray in 1552. Its capture led to the dissolution of this Volga city's namesake Khanate, and Ivan IV built St. Basil's Cathedral on Red Square to celebrate the triumph.

ANSWER: Kazan

[10] Ivan lived up to his name by using this private army of thugs to terrorize basically whoever he wanted, such as the Boyars. This group massacred thousands in Novgorod and murdered the Metropolitan Philip.

ANSWER: Oprichniki [or Oprichniks]

5. In mid-February, a financial newspaper in this man's nation revealed his \$2700 per year ice cream budget. For 10 points each:

[10] Name this Prime Minister of Israel, whose Likud party held off Yesh Atid and the Labor Party to win the most seats in the Knesset.

ANSWER: Benjamin "Bibi" Netanyahu

[10] This former journalist leads Yesh Atid, the party that finished second to Likud. He formed a coalition with

Naftali Bennett rather than joining Netanyahu, because he disagrees with the inclusion of ultra-Orthodox parties.

ANSWER: Yair Lapid

[10] Netanyahu's coalition includes this leader of the Hatnuah party. Although her Kadima party won the most seats in the 2009 election, she could not form a majority coalition, leading to Netanyahu becoming Prime Minister.

ANSWER: Tziporah Malkah "Tzipi" Livni

6. At the beginning of the novel, this character's sister Esta runs away; this character later learns that she has secretly returned to Kansas City after being abandoned by an older man. For 10 points each:

[10] Name this character who moves to Lyncurgus and ends up murdering Roberta Alden while pursuing a relationship with the rich and fashionable Sondra Finchley.

ANSWER: Clyde Griffiths [accept either underlined portion]

[10] Clyde Griffiths is the protagonist of this novel, considered to be the best work of Theodore Dreiser.

ANSWER: *An* American Tragedy

[10] Clyde's lust for women above his class begins early in the novel, when he attempts and repeatedly fails to get in the pants of this awful character, who manipulates Clyde to buy her expensive dinners and a fur coat.

ANSWER: Hortense Briggs [accept either underlined portion]

7. At the beginning of this opera, Tamino is saved from a serpent by three servants of the Queen of the Night. For 10 points each:

[10] Name this opera by Mozart, in which Tamino is given a certain instrument before embarking on a quest to save Pamina from the not-actually-evil Sarastro.

ANSWER: *The* Magic Flute [or Die Zauberflöte]

[10] The Queen of the Night sings this technically difficult aria when Pamina refuses her order to murder Sarastro. Reaching F6 several times, it tells of disowning Pamina if she disobeys.

ANSWER: "Der Hölle Rache kocht in Meinem Herzen" [or "Hell's Vengeance Boils in My Heart"]

[10] The Queen of the Night gives Papageno this item, which he uses to cause the pursuing Monostatos to happily dance away. He also uses this to summon Papagena after being persuaded not to commit suicide.

ANSWER: magic bells [or chimes]

8. Name the following scales used to quantify earthquakes, for 10 points each:

[10] This logarithmic scale uses the amplitude of waves measured by a seismograph. It has since largely been replaced by a newer, similar scale.

ANSWER: Richter magnitude scale

[10] This replacement to the Richter scale, whose end result also falls on a base-10 logarithmic scale, calculates energy released and is designed to be more accurate at calculating the intensity of larger earthquakes.

ANSWER: moment magnitude scale

[10] The seismic moment is the product of this quantity, the area of the fault rupture, and the average displacement along the fault. This constant determines a material's response to strains perpendicular to the main axis.

ANSWER: shear modulus [prompt on modulus, but do not accept or prompt on "shear" alone]

9. One part of this event saw the raising of republican flags over the General Post Office. For 10 points each:

[10] Name this failed rebellion by Sinn Féin led by Patrick Pearse and James Connolly to establish an independent Ireland that took place during the eponymous week.

ANSWER: Easter Uprising of 1916 [or Easter Rising]

[10] The Irish Volunteers that staged the Easter Rising were succeeded by this military organization, whose "provisional" branch was active in Northern Ireland and is considered to be a terrorist organization.

ANSWER: Provisional Irish Republican Army [or PIRA; or Oglaigh na hEireann]

[10] This man became the temporary military governor of Ireland after the Uprising. Under martial law imposed by the Defense of the Realm Act, he was responsible for the execution of the leaders of the Easter Uprising.

ANSWER: General John Maxwell

10. This writer described carnations growing in the same place where he witnessed "stones take flight" and "dewdrops become weapons" in "Poem for the Land." For 10 points each:

[10] Name this author of the collections *Leaves of Olives* and *Memory for Forgetfulness*. This poet's most famous work includes the refrain "Write down: I am an Arab".

ANSWER: Mahmoud **Darwish**

[10] This other Arabic-language poet wrote a collection of aphorisms, *Sand and Foam*. Another of his works equates reason and passion to a ship's rudders and sees the title character's final remarks before leaving Orphalese by ship.

ANSWER: Khalil **Gibran**

[10] Almustafa addresses topics such as pleasure, self-knowledge, and pain at the request of the residents of Orphalese in this collection by Khalil Gibran.

ANSWER: *The **Prophet***

11. Notable programming languages using this paradigm include Java and C++. For 10 points each:

[10] Name this programming paradigm which sees a program viewed not as a series of subroutines but rather as a collection of its title group, able to possess or inherit features such as data fields.

ANSWER: **Object Oriented Programming**

[10] This is the name for a procedure attributed to a class of objects. When executed by an object at runtime, they have access to the object's fields, and if they do not return a value, they are designated by the term void.

ANSWER: **methods**

[10] As in Smalltalk, object-oriented programming often makes use of this paradigm of communication, in which the namesake data is sent between objects. It is also used to model concurrent computing, as in the actor model.

ANSWER: **message-passing** style

12. This character appears in the play *Exit the King*, in which Marguerite repeatedly tells him that he will die, while Marie attempts to downplay this fact. For 10 points each:

[10] Name this literary character who also appears in a play in which he falls in love with Daisy, who, like him, does not turn into a rhinoceros.

ANSWER: **Bérenger**

[10] *Exit the King* and *Rhinoceros* are two plays by this Romanian Absurdist playwright.

ANSWER: Eugène **Ionesco** [or Eugen **Ionescu**]

[10] This proponent of 'Pataphysics is considered a forefather of Absurdism. Bougrelas and Bordure avenge the death of King Wenceslas of Poland by deposing the title character of his scatological play *Ubu Roi*.

ANSWER: Alfred Henri **Jarry**

13. This composer's early symphonies often take themes from a song cycle he wrote to accompany folk poetry, known as *Des Knaben Wunderhorn*. For 10 points each:

[10] Name this Austrian composer of *Symphony of a Thousand* and *Das Lied von der Erde*.

ANSWER: Gustav **Mahler**

[10] The order of the Andante and Scherzo movements in this symphony has been debated upon. Written in A minor, it ends with three timpani notes often called the "hammer blows of fate."

ANSWER: Symphony No. **6**, "**Tragic**" [accept either underlined portion]

[10] This symphony by Mahler, his shortest, features a solo violin whose strings are all tuned up a whole step, and a soprano in its final movement describes a vision of heaven from a child's perspective.

ANSWER: Symphony No. **4**

14. In one of his dialogues, Demea, Philo, and Cleanthes debate the title concept, concluding, among other things, that only revelation could serve as an actual proof for God. For 10 points each:

[10] Name this Scottish skeptic who posited the thought experiment of a missing shade of blue in his *An Enquiry Concerning Human Understanding*

ANSWER: David **Hume**

[10] Hume had recycled many ideas found in his *Enquiry* from this earlier work, which "fell dead-born from the press." In it, he suggests burning books that contain neither matters of experience nor relations of thought.

ANSWER: A **Treatise on Human Nature**

[10] Hume presented the missing shade of blue as a counterargument to this thesis, which states that every meaningful idea reflects a first impression.

ANSWER: **copy principle**

15. Aethelred the Unready allegedly got his epithet from the fact that he was frequently late to dinner at this place. For 10 points each:

[10] Name this estate which burns down to the ground at the end of the novel it appears in. A costume ball held here ends badly due to the outfit choice of Maxim de Winter.

ANSWER: Manderley

[10] Manderley is the setting for most of this awful novel by Daphne du Maurier in which the protagonist details her marriage to Mr. De Winter, who was manipulated into shooting this novel's title character.

ANSWER: Rebecca

[10] Many parallels have been drawn between *Rebecca* and the novel *Jane Eyre* by this author, the sister of Anne, Emily, and the Ringo of the family, Branwell.

ANSWER: Charlotte Bronte

16. According to Apollodoros, one figure by this name fathered a son, Tenes, whom he sent to sea in a chest when his wife Philonome lied and said Tenes tried to rape her. For 10 points each:

[10] Name this hero sometimes credited with killing Protesilaos. According to Ovid, Achilles slew this invulnerable son of Neptune by strangling him with his helmet straps, before he was transformed into a bird by his father.

ANSWER: Kyknos [or Cygnus]

[10] According to the Hesiodic *Shield of Herakles*, after slaying another figure named Kyknos, Herakles fought this god of war, Kyknos's father, bringing him down with a spear wound to the thigh.

ANSWER: Ares [or Mars]

[10] Ovid, Hyginus, and others say yet another Cynus, son of Sthenelus, was transformed into a swan due to his mourning for this figure, who died while trying to pilot the chariot of the Sun belonging to his father.

ANSWER: Phaethon

17. One figure in this denomination's early history was J.R. Graves, who in 1851 established the ecclesiological doctrine of Landmarkism, which established its exclusivity as a Christian Church. For 10 points each:

[10] Name this largest Protestant denomination in the US, which in 2012 elected Fred Luter, Jr. as its first African-American president, continuing a trend since 1995 of distancing itself from its white supremacist past.

ANSWER: Southern Baptist Convention [or Great Commission Baptists; prompt on "SBC"]

[10] Graves's assertions for Landmarkism hinged on the unbroken continuation of this practice from ancient times. William Whitsitt's denial of this practice's continuity created a controversy in the SBC in the 1890s.

ANSWER: Immersion Baptism [or Submersion Baptism; accept logical equivalents and word forms; prompt on partial answers; prompt on "Pedobaptism", "Child Baptism" or similar answers]

[10] The 1963 revision of the SBC's credal Baptist Faith and Message was sparked by Ralph Elliot's interpretation of this first book of the Old Testament.

ANSWER: Book of Genesis

18. The efficiency of this process is given by 1 minus the ratio of the cold and hot reservoirs. For 10 points each:

[10] Name this maximally efficient thermodynamic cycle containing two isotherms and two isentropes.

ANSWER: Carnot cycle

[10] This is the term for a thermodynamic process that occurs with no change in pressure. In this process, the change in heat equals the change in enthalpy and work equals pressure times change in volume.

ANSWER: isobaric process

[10] For a monatomic gas at constant pressure, the molar heat capacity is this number times the ideal gas constant. It is greater than the corresponding value for a process at constant volume.

ANSWER: 5/2

19. He was killed despite complying with a ransom request to fill an entire room with gold. For 10 points each:

[10] Name this last undisputed Sapa Inca, who bested his brother Huascar in a civil war over the Incan empire. He was strangled to death by Francisco Pizarro in 1533.

ANSWER: Atahualpa

[10] Atahualpa's grandfather Tupac Inca Yupanqui subjugated this Moche culture, whose capital was at Chan Chan, around 1470. Arising in approximately 900 CE, their pottery is known for its molded human figures.

ANSWER: The Chimu Kingdom [or Chimor]

[10] This earlier Peruvian culture created ambiguous human "trophy heads" and a still-functional aqueduct system. They may be best known for giant stone lines, which appear as pictures of animals and people from the sky.

ANSWER: The Nazca



20. This city was home to an artist whose still-lives often include food, such as in *Still Life with Oysters, Roemer, Lemon, and Silver Tazza*. For 10 points each:

[10] Name this Dutch city, home to Willem Claeszoon Heda. It was home to many other Dutch Golden Age painters such as Judith Leyster and Frans Hals, who were part of its Guild of St. Luke.

ANSWER: **Haarlem**

[10] This landscape artist from Haarlem depicted Bentheim Castle as located at the top of a large hill, but may be better known for a painting in which shows three tombs amongst some ruins, titled *The Jewish Cemetery*.

ANSWER: Jacob Isakkszoon **Ruisdael**

[10] Another Dutch painter from the Golden Age is this genre artist of works such as *The Milkmaid* and *Girl with a Pearl Earring*.

ANSWER: Johannes **Vermeer** [or Jan **Vermeer**]

21. The sodium salt of this anion is present in many car airbags. For 10 points each:

[10] Identify this ion that has a “-1” charge and is composed of three nitrogen atoms.

ANSWER: **azide**

[10] The azide anion is isoelectronic to this other linear triatomic compound, whose solid form is known as dry ice.

ANSWER: **carbon dioxide** [or **CO<sub>2</sub>**]

[10] An azide is this kind of chemical species which attacks an electron-deficient species, expelling a leaving group at the same time, in an SN2 reaction.

ANSWER: **nucleophile** [accept word forms]

22. This spell, mentioned by a young Severus Snape as “for enemies” in his Potions textbook, is used successfully on Draco Malfoy, earning Harry Potter detention for the last Quidditch game of the season. For 10 points each:

[10] Name this flesh-slashing curse used in Moaning Myrtle’s bathroom, which Snape advises needs dittany to avoid permanent scarring.

ANSWER: **Sectumsempra**

[10] In the Harry Potter universe, Moaning Myrtle was killed by this snake-like creature, which also froze Colin Creevey and petrified Sir Nicholas de Mimsey-Porpington.

ANSWER: **Basilisk**

[10] Another creepy snake from the Harry Potter universe is Nagini, a Horcrux of Voldemort who is fed this hapless and recently-created Muggle-loving professor at the beginning of *Harry Potter and the Deathly Hallows*.

ANSWER: Charity **Burbage**