

PACE NSC 2011

Edited by Mike Bentley, Matt Bollinger, Rob Carson, Kyle Haddad-Fonda, Hannah Kirsch, Trygve Meade, Bernadette Spencer, Guy Tabachnick, and Andy Watkins

Packet 18

Tossups

1. In one of this author's stories, Shoba and Shokumar tell each other secrets every night while the electricity is out. In another story by this author, advice from the seven-year-old Rohin convinces Miranda to break off her affair with Dev. This author of "This Blessed House" and (*) "Sexy" wrote a story in which Mrs. Das reveals that she had an affair to the title tour-guide, Mr. Kapasi, who saves Bobby from a horde of monkeys. One of her novels features a train derailment whose only survivor held the crumpled up pages of "The Overcoat," which is why he names his son Gogol. For 10 points, name this author of "The Interpreter of Maladies" and *The Namesake*.

ANSWER: Jhumpa Lahiri

<Gupta>

2. This ruler ordered the construction of the Mahmudiyya Canal, and one of his highest-ranking ministers was a Christian Armenian named Boghos Pasha. This man sent his son Tusun to recapture the Hijaz from the Wahhabi Saud family. This ruler's forces won the Battle of Nazib, but as the target of the Treaty of Unkiar Skelessi he provoked British intervention against him, preventing him from taking advantage of his decisive victory at (*) Konya. He pushed his country to the large-scale production of Jumel cotton, and early in his reign massacred some 74 Mamluk leaders in a citadel in his capital. This ruler also succeeded in securing for his son Ibrahim the right to inherit his position as khedive. For 10 points, name this rebellious Ottoman governor who set up an independent, modernizing regime in Egypt.

ANSWER: Muhammad 'Ali [or Mehmet Ali]

<Haddad-Fonda>

3. One of his ethnographies, drawing primarily from South American sources, described the relationship between home construction and family structure. This man wrote a book which posits that all cultures fall within three progressively more evolved stages; that cultural evolutionist theory examines cultures through benchmarks known as ethna and tracks them through savagery, barbarism, and civilization. One of his most famous books sprung from his field research among the (*) Iroquois; that book explores the relationships between family members and categorizes all known family systems into six basic groups. For 10 points, name this American anthropologist who wrote *Ancient Society* and *Systems of Consanguinity and Affinity*.

ANSWER: Lewis Henry Morgan

<Meade>

4. This artist painted a horseman catching a man attempting to steal a pot of gold coins in his *The Expulsion of Heliodorus From the Temple*. Green wallpaper is in the background of a work that shows a sad-looking pope clutching a handkerchief, this artist's *Portrait of Pope Julius II*. Two bored-looking cherubs lean on an altar below St. Barbara and the namesake saint in this man's (*) *Sistine Madonna*. In another work, statues of Apollo and Minerva stand above figures including one at the front writing on a marble block. He painted *The Parnassus* and *The Disputation of the Sacrament* in the Stanza della Segnatura, which contains the aforementioned painting showing Plato and Aristotle talking in the center. For 10 points, name this painter of *The School of Athens*.

ANSWER: Raphael Sanzio da Urbino [or Raffaello Sanzio da Urbino; accept either]

<Gaurav Kandlikar>

5. In one of this man's stories, the main character dies of a stroke after a beating from the guard Nikita and debates Stoicism with Ivan Dimitrich Gromov. In that story, Dr. Andrey Yefimich is forced into his own mental institution. In another story by this author, Dmitri (*) Gurov has an affair with a young lady he meets while on vacation in Yalta. For 10 points, name this author of short stories like "Ward No. 6" and "The Lady with a Dog," who also wrote about Trigorin and Treplyov in *The Seagull*.

ANSWER: Anton Chekhov

<Cohen>

6. One method to make this class of compound has its rate controlled by a redox equilibrium between Cu (I) ("copper one") and Cu (II) ("copper two") halides and is called ATRP. Two center aluminum-titanium complexes can control the tacticity of these molecules via the Cossee-Arlman mechanism; those complexes are (*) Ziegler-Natta catalysts. Free-radical pathways to create this class of molecule contain initiation, elongation, and termination steps. Commercial examples of these molecules include the aromatic Kevlar, derived from nylon, as well as plastics. For 10 points, name this class of molecules, referring to those composed of multiple repeated subunits called monomers.

ANSWER: polymers

<Watkins>

7. In one work he claimed that the problem with philosophy was the attempt by philosophers to divorce language from its context. That work, the *Blue Book*, served as notes for another work which considered the thought experiment of a "beetle in a box" and another concerning a "duckrabbit" to investigate the possibility of (*) private language. His most famous work is a series of logical propositions that build upon themselves, ending with "Of what we cannot speak, we must pass over in silence," and beginning with "the world is everything that is the case." For 10 points, name this German-British ordinary language philosopher, a logical positivist who wrote *Philosophical Investigations* and *Tractatus Logico-Philosophicus*.

ANSWER: Ludwig Wittgenstein

<Meade>

8. This composer reworked his fifth symphony, stitching together the first two movements. That work's finale features a theme inspired by the sight of sixteen swans. An early five-movement symphonic choral work by this man was in 5/4 and tells the story of six cantos of his country's national epic, wherein the title character seduces his sister. He wrote a cycle of *Four Legends* from that epic, including one featuring the (*) Maidens of the Island. One of his nationalist pieces was played under the title *Impromptu* so that Russian authorities would not pick up on its message. The aforementioned cycle includes "The Swan of Tuonela" and is also called the *Lemminkäinen Suite*. For 10 points, name this composer who wrote the patriotic *Finlandia*.

ANSWER: Jean Sibelius [or Johann Julius Christian Sibelius]
<Tabachnick>

9. The Nice ["niece"] model traces this object's origins to scattering from Jupiter, while Damocloid asteroids are believed to have developed from objects originating here. Matese and Whitmere suppose that the planet Tyche may be located here. Julio Fernandez posits that its chief source may be the (*) scattered disc, while Richard Muller suggested that Nemesis likely existed within this location. Its inner region, more disc-shaped, is named for J. G. Hills. For 10 points, name this hypothesized spherical entity, a possible source of long-period comets vastly more distant than the Kuiper Belt.

ANSWER: Öpik-Oort cloud
<Watkins>

10. This man was briefly exiled after he was rumored to have had an affair with the wife of King Agis II. His late arrival helped turn the tide at the Battle of Abydos. He disagreed with his co-commanders Nicias and Lamachus after it was learned that Segesta would not fund a campaign he was leading. Later, he was accused of mutilating the (*) Hermai and profaning the Eleusinian Mysteries, leading to his arrest. After escaping from arrest, he fled to Sparta and alerted their military authorities to the Sicilian Expedition led by Athens. For 10 points, name this Greek orator and strategist known for repeatedly switching allegiances during the Peloponnesian War.

ANSWER: Alcibiades
<Cohen>

11. In this state's largest city, Victor Berger led the so-called Sewer Socialism movement. In the late 19th century, it was the site of the deadliest fire in American history, the Peshtigo Fire. One politician from this state joined George Norris in filibustering the Armed Ship Bill, much to the chagrin of Woodrow Wilson, and later ran for president with Burton K. Wheeler as his running mate. The current US Secretary of Health and Human Services, (*) Tommy Thompson, was once its governor. Another governor worked with university professors to push for legislation like primary elections and the country's first state income tax, a policy which became known as this state's namesake "idea." For 10 points, name this Midwestern state home to Progressive leader Robert LaFollette, Sr.

ANSWER: Wisconsin
<Magin>

12. This country's head-of-state survived an April 2009 assassination attempt in which a man tried to ram an open-top bus with his car. In 2002, right-winger Pim Fortuyn was assassinated while trying to end the rule of its Purple Coalition, but in the 2010 election the right wing was resurgent under the Party for Freedom of Geert Wilders, which backs current prime minister Mark Rutte. Prominent critic of Islam (*) Ayaan Hirsi Ali lied to get asylum in this country, where in 2004 Mohammed Bouyeri assassinated the director of "Submission," filmmaker Theo Van Gogh. Queen Beatrix is the monarch of, for 10 points, what European country that has a large Muslim population in such cities as Rotterdam and the Hague?
ANSWER: Kingdom of the Netherlands
<Haddad-Fonda>

13. One character in this work sells the protagonist "The Elixir of Egypt", and later vents his frustration in "It's a Scandal! It's a Outrage!". One character in this work explains how he sees a seven-story building for the first time in Kansas City; that man, Will Parker, wants the money so that he can marry a woman whose father brandishes a shotgun at Ali Hakim, (*) Ado Annie. At the beginning of this musical, based on Lynn Riggs's *Green Grow the Lilacs*, Aunt Eller hears "Oh, What a Beautiful Mornin'." In this musical, Jud and Curly vie to take Laurey to the box social. For 10 points, name this first Rodgers and Hammerstein collaboration, set in the namesake territory before it gained statehood.
ANSWER: Oklahoma!
<Tabachnick>

14. One king with this name gained territories like Evreux through the Treaty of Le Goulet. With the blessing of Pope Martin IV, the third monarch of one country with this name marched against Peter III of Aragon in the Aragonese Crusade, but died on the retreat home. A French king with this name saw his country defeated at the Battle of Crecy and was the first Valois king of France. Burgundy was ruled in the early 15th century by a "good" duke of this name. A king with this name built (*) El Escorial palace in Madrid. The second French king with this name won the Battle of Bouvines against King John of England and was known by the surname, Augustus. For 10 points, give this name shared by the Spanish king that launched the Spanish Armada.
ANSWER: Philip [or Philippe; or Filips; accept Philip Augustus or Philip II before "Martin IV" is read]
<Bentley>

15. This structure has three main divisions, including the flocculonodular lobe, and it is composed mostly of minute granule cells. One portion of this structure is called the *arbor vitae* and contains "deep nuclei" that receive excitatory input from mossy fibers and inhibitory input from Purkinje fibers. Three peduncles connect it to other portions of the (*) brain. Its hemispheres are divided by the vermis, and this structure is responsible for maintaining balance and coordinating and regulating muscle activity. For 10 points, name this structure found below the cerebrum whose name means "little brain."
ANSWER: cerebellum
<Kirsch>

16. **This work claims divine providence among five factors governing all actions, and that men with demonic traits will be sent to demonic wombs, unlike those with divine traits. This work advocates “renouncing the fruit,” and outlines three tastes of food which correspond to behavioral modes called *gunas*. Many conch shells are blown near its start on the field of (*) Kuru, and it teaches that restful contemplation and the life of action indifferent to results, or *karma*, are among the many *yogas*. Frame-narrated by Sanjaya during the *Mahabharata*, for 10 points, name this 700-verse excerpt in which the warrior-king Arjuna learns from his charioteer Krishna.**

ANSWER: Bhagavad-Gita [prompt on Gita; prompt on Mahabharata until read]
<Jackson>

17. **This man proved his lineage by jumping down into the sea and retrieving a bauble with some dolphins’ help. He fathered Melanippus by raping Perigune after killing her father. This man was treacherously thrown off of a cliff by King Lycomedes of Skyros. He enraged the Dioscuri when he and his friend (*) Pirithous decided to abduct Helen and Persephone. He slew villains like the pine-bender Sinis and the bandit Sciron, in addition to bed-owner Procrustes. This man’s father, Aegeus, jumped into the sea after seeing the black sails on this man’s ships. For 10 points, name this Athenian hero who took Ariadne’s golden thread and killed the Minotaur.**

ANSWER: Theseus
<Bollinger>

18. **One finds the angular resolution, limited by this phenomenon, by setting the sine of the angular resolution equal to one point two two times the wavelength over the lens aperture diameter; that relation is the Rayleigh criterion. One feature resulting from this phenomenon is the (*) Airy disk. Models of this phenomenon include equations named for Fraunhofer and Fresnel for far and near field. One prominent experiment, foundational to quantum mechanics, that employed this phenomenon was Young’s double slit experiment. For 10 points, name this process whereby light responds to encountering an obstacle by bending or spreading.**

ANSWER: diffraction
<Watkins>

19. **The protagonist of this novel is dazzled by the beauty of the garden of Gloriani, a sculptor who had appeared in its author’s earlier novel, *Roderick Hudson*. A short artist named “Little Bilham” deceives the protagonist into thinking his friend is only in a “virtuous relationship.” The protagonist of falls in love with the guide Maria Gostrey, though he cannot marry her. This work’s plot is driven by a widow who wants her son to run the family (*) mills in Woollett, but is stymied when her son falls in love with Mme. de Vionnet. For 10 points, name this work in which Lambert Strether travels to Europe to bring back Chad Newsome, written by Henry James.**

ANSWER: *The Ambassadors*
<Bollinger>

20. As a child, this character loves reading a book on crocodiles to his nurse. Mr. Creakle forces this character to wear a sign reading “Be careful of him, he bites” at the Salem House Academy, where he is sent by his evil stepfather Murdstone. There, this character befriends James (*) Steerforth, who later betrays him by leaving with Emily. This character marries the frail Dora Spenlow, who soon dies, but finds true love with his childhood friend Agnes. He helps Mr. Micawber after he falls in with the villainous albino Uriah Heep. For 10 points, name this partially autobiographical Charles Dickens character.

ANSWER: David Copperfield [accept either]

<Bollinger>

21. In Roman times, a byproduct from this industry was made into garum. This is the dominant industry of cities in the U.K. like Peterhead and Grimsby. Conflicts over resources central to this industry escalated in 1972 when a NATO member extended the reach of its Exclusive Economic Zone. It’s not salt, but Mark Kurlansky detailed the success of the Basques in one subset of this industry. During the Middle Ages, the output of this industry was sold at the Scania Market, which was controlled by the (*) Hanseatic League. Clashes over this industry led to multiple conflicts between England and Iceland in the mid-20th Century. Major centers of this industry in the US include Dutch Harbor. For 10 points, name this industry, which was at the center of the Cod Wars.

ANSWER: commercial fishing [accept equivalents; prompt on food; do not accept “agriculture”]

<Bentley>

22. This man uses the title image to demonstrate turning the other cheek in “I Cultivate a White Rose.” He wrote “Mute, I kiss the hand” in the political poem “I dream of cloisters of marble,” while this man penned the line “Our own Greece is preferable to the Greece that is not ours” in an essay calling on sleepy villages to awaken, (*) *Our America*. Joseito Fernandez included the lyric “I am an honest man” when adapting one of this man's poems to song, “Guantanamo.” For 10 points, name this Cuban poet of the revolution whose poems were collected in *Ismaelillo*, *Versos Libres* and *Versos Sencillos*.

ANSWER: Jose Marti y Perez

<Guth>

23. This pathogen’s PB1 gene encodes both a polymerase and an apoptosis-inducing protein. One type of it does not possess M2 ion channels and thus cannot be treated by amantadine, and it can kill healthy, typically disease-resistant populations by causing cytokine storm. Its binding to sialic acid residues on the surface of epithelial cells is inhibited by treatments for it like (*) oseltamivir. This pathogen is classified according to which of sixteen hemagglutinin and nine neuraminidase glycoproteins are expressed on its surface, such as the possibly pandemic H5N1. For 10 points, name this disease with strains commonly called its “swine” and “avian” types.

ANSWER: influenza

<Kirsch>

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Bonuses

1. This entity has a temperature of approximately 3 Kelvin. For 10 points each:

[10] Name this entity that nearly uniformly permeates the universe. Discovered by Penzias and Wilson

ANSWER: **CMBR** [or cosmic **microwave background** radiation]

[10] The cosmological principle suggests that the laws of the universe apply equally everywhere. One consequence is homogeneity, that the area of the universe we occupy is a fair sample; the other is this property, that the universe looks essentially the same in all directions.

ANSWER: **isotropy**

[10] The so-called “axis of evil” is an anomalous alignment of the quadrupole and octupole moments of the CMB with the plane of Earth's orbit, which is given this name.

ANSWER: **ecliptic**

<Watkins>

2. This is defined as the average frequency with which a unit of money is spent in a specific period of time. For 10 points each:

[10] Name this economic quantity which can be used to calculate the Employment-Production rate, an important measure of economic vitality.

ANSWER: **velocity of money**

[10] This economist, who proposed a flat tax and wrote *Free to Choose*, wrote about the utility of velocity of money as a measurement in his criticism of the quantity theory of money.

ANSWER: Milton **Friedman**

[10] Milton Friedman's most famous book may be this one, which promotes the free market in all areas of public policy and seeks to redefine “liberal” in European Enlightenment terms.

ANSWER: **Capitalism and Freedom**

<Meade>

3. Vyacheslav Molotov was once placed in virtual exile by being appointed the Soviet Union's ambassador to this Asian country. For 10 points each:

[10] Identify this country, whose final communist ruler was Jambyn Batmunkh.

ANSWER: **Mongolia**

[10] During the collapse of the Soviet Union, Jambyn Batmunkh tried to hold onto power by making frequent nationalistic appeals to this historical figure. This man designated Ogedei as his successor and is credited with unifying the Mongols.

ANSWER: **Genghis** Khan [or **Chinggis** Khan or **Chingis** Khan or **Jenghiz** Khan or **Jinghis** Khan or **Temüjin** or **Temuchin**]

[10] Inner Mongolia was a part of the Japanese puppet state Manchukuo, whose first president was this man. He ruled that state under the name of Kangde, and his life was chronicled in a Bernardo Bertolucci film.

ANSWER: **Puyi** [or Henry **Puyi** or **Xuantong** or **P'u-i**; prompt on "The Last Emperor"]
<Bentley>

4. Name these Robert Browning poems, for 10 points each.

[10] In this dramatic monologue, the speaker notes that he "gave commands; then all smiles stopped together" when offended that his wife's heart was "too soon made glad."

ANSWER: **"My Last Duchess"**

[10] The speaker of this dramatic monologue wound "all" the title character's "hair in one long yellow string ... three times her little throat around, and strangled her."

ANSWER: **"Porphyria's Lover"**

[10] The speaker asks "Let age approve of youth!" in this poem rejecting hedonism, which begins "Grow old along with me! The best is yet to be."

ANSWER: **"Rabbi Ben Ezra"**

<Angelo>

5. Answer some questions about Greek sculpture and its imitators, for 10 points each.

[10] This period of Greek art emerged from the earlier geometric style. Statues of young boys called *kouroi* were popular during this period and, like the Lady of Auxerre, displayed its namesake smile.

ANSWER: **Archaic** period

[10] The Archaic period preceded this one, often seen as the pinnacle of Greek art. A "neo-" this movement in the eighteenth century sought to revive it.

ANSWER: **Classical** period

[10] This Neoclassical sculptor depicted a scene from *The Golden Ass* in his sculpture *Psyche Revived by Cupid's Kiss*. He also sculpted the sister of Napoleon as *Venus Victrix*.

ANSWER: Antonio **Canova**

<Gupta>

6. An example of this type of reagent named for Gilman is selective for conjugate additions. For 10 points each:

[10] Name this type of reagent, which generally contains a carbon bonded to a very electropositive element.

ANSWER: **organometallic** reagents

[10] The chief example of organometallic reagents is this organomagnesium bromide, mostly used to add to carbonyl carbons.

ANSWER: **Grignard** reagents

[10] The utility of Grignard reagents and other related organometallics is their reactive similarity to these species, since their limited acidity makes them hard to generate without such a metal. These species possess a negative charge on carbon.

ANSWER: **carbanions**

<Watkins>

7. This man, who Sima Qian claims is associated with plums because his original last name of “Li” meant plum, was allegedly born under a plum tree after his mother’s 62-year pregnancy. For 10 points each:

[10] Name this sage who claimed “the journey of a thousand *li* begins with a single step.”

ANSWER: **Laozi** [or **Lao Tsu**; or **Lao Tse**; prompt on **Old Master** and the like]

[10] Laozi is the presumed author of this text, which encourages *wu wei*, or action through inaction, and founded a Chinese belief system venerating its namesake inarticulable Way.

ANSWER: **Tao Te Ching** [or **Dao de Jing**]

[10] Laozi is sometimes considered an incarnation of one of these Taoist deities named Taiqing or Taishang. They rank above the Jade Emperor and the Eight Immortals.

ANSWER: The **Three Pure Ones** [accept synonyms within reason for “Pure Ones”; accept **Three Divine Teachers**; accept **Sanqing**]

<Jackson>

8. He wrote about a trip to the set of *Lost Highway* in “David Lynch Keeps His Head” and about the theory of the death of the author in “Greatly Exaggerated.” For 10 points each:

[10] Name this writer who collected those essays in *A Supposedly Fun Thing I’ll Never Do Again* and also wrote *Brief Interviews with Hideous Men* and the posthumously published *The Pale King*.

ANSWER: David Foster **Wallace**

[10] Wallace’s magnum opus was this thousand-page, footnote-ridden novel in which the Ennet House Drug and Alcohol Recovery House sits across a hill from the Enfield Tennis Academy.

ANSWER: **Infinite Jest**

[10] *New Republic* critic James Wood holds up Wallace as a prime perpetrator of this literary idiom, which Wood claims is “ashamed of silence” and produces “exhausted and overworked” texts. Don DeLillo and Thomas Pynchon are also lumped under this derogatory term.

ANSWER: “**hysterical realism**”

9. Identify the following about the Cuban Missile Crisis, for 10 points each.

[10] The crisis was resolved when the US agreed to quietly withdraw the Jupiter missiles it placed in this European country. This country's first president was Mustafa Kemal.

ANSWER: Republic of **Turkey**

[10] The Kennedy administration used this term to describe its pseudo-blockade of Cuba during the Missile Crisis. In previous eras, ports flying the yellow jack flag were subject to this policy.

ANSWER: Naval **Quarantine**

[10] This former presidential candidate, who was serving as the US Ambassador to the United Nations during the crisis, gave the famous "Until Hell Freezes Over" Speech to the Security Council showing pictures of Soviet missiles in Cuba.

ANSWER: Adlai Ewing **Stevenson** II

<Bentley>

10. Rising oil prices have led to calls to develop further the Tar Sands around Fort McMurray in the northern part of this province. For 10 points each:

[10] Identify this province that is the center of Canada's oil industry.

ANSWER: **Alberta**

[10] Several of Canada's First Nations have stymied plans to build the Northern Gateway pipeline through their lands. That pipeline would terminate in the port of Kitimat in this Canadian province, from which oil could be exported across the Pacific.

ANSWER: **British Columbia**

[10] Much of Alberta's so-called "unconventional" oil reserve is part of the tar sands named for this heavily polluted river, which flows through Alberta's oil fields as well as Jasper National Park en route to a namesake lake.

ANSWER: **Athabasca** River

<Haddad-Fonda>

11. One leg of this woman's bed is an olive tree, and she devises a test of strength in which men must string a bow and shoot through twelve axeheads. For 10 points each,

[10] Name this daughter of Icarius, who promised to remarry after finishing a shroud that she repeatedly unwove while awaiting her husband's return to Ithaca.

ANSWER: **Penelope**

[10] This lead suitor and friend of Eurymachus sets up a failed ambush to kill Telemachus on his return from Sparta. Since he makes a disguised Odysseus fist-fight the beggar Irus, Odysseus kills him first, with an arrow to the throat.

ANSWER: **Antinous** [or **Antinoos**]

[10] Telemachus hangs twelve people of this occupation, including Melantho, due to their closeness with suitors. An old one, Eurycleia, recognizes Odysseus in disguise by spotting a scar on his thigh.

ANSWER: serving-**maids** [or maid**servants** or **serving-women**; accept equivalents; do not prompt "slaves"]

<Jackson>

12. One depiction of this scene is a triptych whose center panel focuses on a ruined house, while another sets it on a flat gray plain in which the title naked man holds out a cross in the lower left. For 10 points each:

[10] Name that scene whose latter depiction features a bucking horse and four spindly-legged elephants carrying a statue of a woman and a golden temple housing a naked female torso.

ANSWER: the **Temptation** of Saint **Anthony** [accept alternate wording or equivalents]

[10] Hieronymus Bosch inspired the latter depiction of Saint Anthony's temptation by this painter of *The Persistence of Memory*, a mustachioed surrealist from Spain.

ANSWER: Salvador **Dalí** y Domenech

[10] Dalí created eleven telephones resembling one of these animals. When used, the speaker's mouth is aligned with its genitals.

ANSWER: a **lobster**

<Jackson>

13. Answer these questions about Catholic monastic orders, for 10 points each.

[10] Several Catholic monasteries, such as Monte Cassino, are inhabited by orders known for this saint from Nursia because they follow his namesake 73-chapter Rule.

ANSWER: Saint **Benedict** of Nursia

[10] This super-influential Benedictine abbey in the department of Saône-et-Loire, France, was founded by William of Aquitaine and established satellite houses throughout England. Its wealth and stature inspired the Cistercians to split off.

ANSWER: Congregation of **Cluny**

[10] Sometimes known as Blackfriars for the color of their cloaks, this order was approved by Honorius III and founded by a 12th-century Castilian monk called the "Dog of God". The Jacobin club was once a convent of this order which included Bartolomé las Casas and Albertus Magnus.

ANSWER: **Dominican** Brotherhood [or **Order of Preachers**; or **Ordo Predicatorum**]

<Jackson>

14. He may have murdered his brother, who became known as Edward the Martyr. For 10 points each:

[10] Identify this English king, a son of Edgar the Wise whose troubled reign supposedly began when he defecated in the baptismal font as a youth.

ANSWER: **Aethelred the Unready** [or **Aethelred II**]

[10] Aethelred the Unready's kingdom was invaded by this man. This rival of Olaf I teamed up with Olaf Skotkonung and Erik of Norway to win the Battle of Svolder.

ANSWER: **Sweyn Forkbeard** (SVAIN) [or **Sweyn I**; or **Svend Tveskaeg**]

[10] Sweyn Forkbeard's invasion was prompted by one of these events carried out by Aethelred on St. Brice's Day. Much later, the British were accused performing one of these actions in colonial Boston, although John Adams defended the soldiers who were implicated.

ANSWER: **massacre** [accept equivalents implying killing numerous defenseless people]

<Bentley>

15. A quantum number called *this* number is one third of the number of quarks minus the number of antiquarks. For 10 points each:

[10] Name these particles, which include the delta particles and nucleons, composed of three quarks.

ANSWER: **baryons**

[10] The conservation of baryon number means that this nucleon can't decay in almost any cases, but certain theories predict that it could decay by various electroweak processes. The half life seems to be at least ten to the thirty-fourth years. It has a plus one charge.

ANSWER: **protons**

[10] The theories that predict proton decay are typically these attempts to model the three gauge forces of the standard model as one interaction with one larger symmetry. Popular ones include the Georgi-Glashow model.

ANSWER: **grand unified** theories [or **GUTs**]

<Watkins>

16. This man's book *Los Raros* contains impressions of his "twin souls." For 10 points each:

[10] Name this poet of *Prosas Profanas* and *Azul*.

ANSWER: Ruben **Dario** [or Felix Ruben Garcia **Sarmiento**]

[10] Dario was a leading proponent of this Parnassian-inspired movement of Latin American poetry.

ANSWER: **Modernismo**

[10] At the end of "To Roosevelt," Dario claims that America lacks one thing: this figure.

Arundhati Roy wrote about the one "of Small Things," while Jose Saramago titled a work after one of his sons in "The Gospel According to Jesus Christ."

<Wynne>

ANSWER: **God** [or **Dios**]

17. This disease can usually be controlled by strictly regulating the diet, but untreated, it will cause developmental problems and less serious issues, like eczema and a musty odor. For 10 points each:

[10] Name this disease screened for by the Guthrie or HPLC test in which a certain amino acid cannot be metabolized.

ANSWER: **phenylketonuria** [or **PKU**]

[10] Normally, phenylalanine is metabolized to this amino acid. This amino acid is a precursor of catecholamines like epinephrine and norepinephrine.

ANSWER: **tyrosine** [or **Tyr**; or **Y**]

[10] Tyrosine attaches to iodine to form the two major hormones of this gland. In the absence of iodine, this gland enlarges to form a goiter, and its overactivity causes Graves' disease.

ANSWER: **thyroid** gland

<Kirsch>

18. This leader survived an assassination attempt by Jean Bastien-Thiry in 1962. For 10 points each:

[10] Identify this leader of the Free French and first president of the French Fifth Republic.

ANSWER: Charles Andre Joseph Marie de Gaulle

[10] De Gaulle caused the Empty Chair Crisis in this organization in 1965 when he refused to send a French minister to attend Council of Ministers meetings. It resolved that crisis by the Luxembourg Compromise, although this organization was formally abolished in the Treaty of Lisbon.

ANSWER: European Economic Community [or European Common Market; prompt on EEC or EC; do not accept “European Union” or “EU”]

[10] Ultras among the French colonists in Algeria tried to rebel against De Gaulle’s policy during the “Barricades Week.” Napoleon III had earlier tried to prevent Parisians from taking to the barricades by widening the streets as part of a general rebuilding of Paris led by this man.

ANSWER: Georges-Eugene, 1st Baron Hausmann

<Bentley>

19. The female lead of this work is tied, naked, to the back of an angry bull, but is saved when her giant bodyguard Ursus kills it. For 10 points each:

[10] Name this work about Marcus Vinicius’s love for Lygia.

ANSWER: Quo Vadis

[10] Quo Vadis is a work by this author, whose other historical novels include a trilogy consisting of *With Fire and Sword*, *The Deluge*, and *Fire in the Steppe*.

ANSWER: Henryk Sienkiewicz

[10] Henryk Sienkiewicz is an author from this country, along with Wislawa Szymborska and Czeslaw Milosz.

ANSWER: Republic of Poland

<Gaurav Kandlikar>

20. This composer’s interest in Indian literature provided material for some choral hymns based on the Rig Veda and the opera *Savitri*. For 10 points each:

[10] Name this composer whose *St. Paul’s Suite* ends with the folk songs “Dargason” and “Greensleeves” played together.

ANSWER: Gustav Holst [or Gustavus Theodore von Holst]

[10] This work by Holst is based on astrology, and includes sections like “Neptune: The Mystic.”

ANSWER: *The* Planets

[10] “I vow to thee, my country” was later set to the main melody of this section of *The Planets*, which describes the title planet as “The Bringer of Jollity.”

Answer: “Jupiter: The Bringer of Jollity”

<Nystrom>

21. Answer these questions about things that happened in 1983 under President Reagan, for 10 points each.

[10] The Strategic Defense Initiative created by Reagan in 1983 earned this film-inspired nickname from the press.

ANSWER: **Star Wars** Program

[10] In the same year, Operation Urgent Fury was launched following the killing of this Prime Minister of Grenada. He had earlier been overthrown in a coup led by Bernard Coard.

ANSWER: Maurice Rupert **Bishop**

[10] Flight 007 from the flag carrying airline of this country was shot down by the Soviet Union in 1983, escalating Cold War tensions.

ANSWER: South **Korea** [or **Korean** Airlines]

<Nediger>

22. One character in this work is forced to eat garlic to cover the smell of alcohol in his breath. For 10 points each:

[10] Name this play in which the mayor Anton Antonovich frenziedly attempts to make his town look presentable to Khlestakov, who pretends to be doing an evaluation.

ANSWER: **The Inspector General** [or **Revizor**]

[10] The Inspector General is by this Russian author of “The Nose” and “The Overcoat.” The student Khoma Brut is killed by the title demon in this man’s story, “Viy.”

ANSWER: Nikolai **Gogol**

[10] This Soviet poet of “Elegy for John Donne” and “Aeneas and Dido” won the 1987 Nobel Prize and served as Poet Laureate from 1991 to 1992.

ANSWER: Joseph **Brodsky**

<Bollinger>

23. This statement demonstrated that any formal system strong enough to reproduce enough of the theory of natural numbers contains unprovable true statements. For 10 points each:

[10] Name this theorem that undermined Hilbert's second problem.

ANSWER: **Gödel**'s first **incompleteness** theorem

[10] One statement undecidable in Zermelo-Fraenkel set theory is this statement. Equivalent to the well-ordering theorem and Zorn's lemma, this statement is often appended to ZF.

ANSWER: axiom of **choice**

[10] The paradox named for this man is a result that follows from the axiom of choice, that there is a countable subset of the sphere that, upon its removal, the remainder can be divided into three congruent subsets also congruent to the union of any two subsets. This man also names a measure of dimensionality applied to fractals.

ANSWER: Felix **Hausdorff**

<Watkins>