ACF Fall 2014: Nemo auditur propriam derpitudinem allegans
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Tossups

- 1. This concept is the subject of a book that examines four features of a type of monism by using reductio ad absurdum to argue for epistemological anarchy. Paul Feyerabend wrote a book "against" this concept, which is a solution to the demarcation problem. Thomas Kuhn argued that instead of this concept, cultural context is what motivates discovery. In the Novum Organum, Francis Bacon used induction in his model for this technique, while Karl Popper stressed the importance of deductive falsification in it. This technique includes hypothesis, prediction, and experimentation. For 10 points, give this term referring to an organized approach to investigating natural phenomena.

 ANSWER: scientific method [prompt on "science"; prompt on "method"; prompt on "deductive reasoning"; prompt on "experimentation" and similar answers]
- 2. Before this election, liberal members of the eventual victor's party, such as Elliott Roosevelt, attempted to "dump" the winner in favor of candidates like William O. Douglas. This election's winner engaged in a "whistle-stop" campaign during which he criticized the "Do-Nothing Congress" for opposing the Fair Deal. The States' Rights Democratic Party was formed by Dixiecrats who opposed integration and voted for Strom Thurmond during this election. Because many East Coast polls were not yet available, the *Chicago Tribune* published an early incorrect result of this election. For 10 points, identify this presidential election in which Thomas Dewey was defeated by Harry Truman.

 ANSWER: U.S. Presidential Election of **1948** [prompt on "48"]
- 3. A source of this quantity is required in the statement of Norton's theorem, whereas it s not required in Thevenin's theorem. Magnetic field equals mu-nought over 4pi times the path integral of dl cross r-hat times this quantity over magnitude of r squared, according to the Biot-Savart law. A term was added to Ampere's Law to account for the "displacement" type of this quantity. The voltage drop across an inductor equals inductance times the time-derivative of this quantity, and the power supplied to a component is equal to this quantity squared times resistance. For 10 points, give this quantity measured in amps, which by Ohm's Law equals voltage divided by resistance.

 ANSWER: electric **current**

4. This substance names an object made from the son of Poseidon and Theophane, who rescued the children of Athamas and Nephele. According to the *Prose Edda*, the columns of Forseti's palace Glitnir are made of this substance. After Thiazi kidnapped Idunn, the Aesir could no longer restore their youth with objects made from this substance. Hreidmar demanded the Aesir to cover Otr's ["Otter's"] body with this substance after his death. A man who hospitably entertained Silenus accidentally turned his son into this substance, after which he was told to bathe in the river Pactolus by Dionysus. For 10 points, name this substance into which Midas could transform objects with his touch.

ANSWER: gold

- 5. One of this composer's works begins with the strings slowly playing "D-E-F-sharp" before the violin soloist plays a very long pentatonic cadenza. He used folksongs as the basis for his three Norfolk Rhapsodies. He contributed the hymn "For All the Saints" or Sine Nomine to the 1906 Hymnal. Midway through another of this composer's works, the solo viola introduces a theme that is then developed by the rest of a string quartet, which contrasts with a double string orchestra. This composer based a work for violin and orchestra on the George Meredith poem "The Lark Ascending." For 10 points, identify this English composer who wrote fantasias on "Greensleeves" and on a theme of Thomas Tallis. ANSWER: Ralph **Vaughan Williams** [first name pronounced "rafe"]
- 6. This character appears in the short story "I'm Crazy," in which he describes sneaking into his apartment after dropping out of school. This character accidentally leaves the fencing team's equipment aboard a subway. Despite paying a prostitute even though he didn't have sex with her, this character is punched by her pimp as Sunny takes more of his money. This character imagines himself as a guardian of children playing a game in a field right next to a cliff, and he frequently reminisces about his dead brother Allie. After leaving Pencey Prep, this hater of phonies visits his sister Phoebe in New York City. For 10 points, identify this protagonist of J. D. Salinger's The Catcher in the Rye.

ANSWER: **Holden Caulfield** [accept either]

7. This musician spurred the addition of the line "And that's all I have to say about that" to the end of the Presidents of the United States of America song "Lump." His longest song includes an exchange in a donut shop just after the chorus "If you'd like to make a call, please hang up and try again / If you need help, hang up and then dial your operator." In another song, he claims "I memorized Holy Grail really well" and "I even made a homepage for my dog" after singing "they see me roll on my Segway." This musician used the hashtag "8videos8days" to promote his album Mandatory Fun. For 10 points, name this accordionist and creator of parodies like "Amish Paradise" and "White and Nerdy."

ANSWER: "Weird Al" Yankovic [or Alfred Matthew Yankovic]

8. This policy was the subject of Reverend Leon Sullivan's seven principles. It was advocated by H. F. Verwoerd, who was stabbed to death in parliament. Implementation of this policy, which was enforced through documents called dompas, were called the Pass Laws. An opponent of this policy planned the Church Street Bombing and gave the "I am prepared to die speech" at the Rivonia trial. It led to the Sharpeville Massacre, and Steve Biko was killed while protesting it in the Soweto Uprising. This policy was ended shortly after F. W. De Klerk released a political prisoner from Robben Island. For 10 points, name this system of segregation which was opposed by Nelson Mandela.

ANSWER: apartheid

9. A geological event named after this molecule was preceded by the creation of many banded iron formations. That event led to the Huronian glaciation, when this molecule's predominance led to a reduction of the greenhouse gas methane, leading to an ice age. This compound's abundance has been postulated to explain the size of insects during the Carboniferous. 2.3 billion years ago, a "Great Event," in which this compound's levels rose dramatically, wiped out all the obligate anaerobes on Earth; that event was caused by production of this molecule by photosynthetic cyanobacteria. For 10 points, identify this diatomic gas, the second-most abundant in our atmosphere, which you need for respiration. ANSWER: dioxygen [or O2]

10. This opera's second act ends with the offstage "Humming Chorus," which includes a viola d'amore part and leads directly into the third act. Its first act concludes with a long duet that begins "Bimba, Bimba, non piangere" ["pee-AHN-jay-ray"]. This opera's title character resolves to commit suicide after reading an inscription on a knife that declares "Who cannot live with honor must die with honor". Earlier, that character sings the aria "Un bel di" to her maid Suzuki. At the end of this opera, the title character is devastated to find her husband has a new wife named Kate. For 10 points, identify this opera about Cio-Cio San, the wife that Lieutenant Pinkerton abandons in Japan, a work of Giacomo Puccini.

ANSWER: Madame Butterfly [or Madama Butterfly]

11. In a novel by this author, a mechanic who is a Jehovah's Witness threatens to castrate himself with a paper knife to prove that he didn't rape a girl. In one of his novels, a red-haired Scottish phrenologist and a near-sighted journalist are among the characters who travel to Brazil's Canudos province. Another novel by this author opens with a meeting at a dog pound between a man and his father's former chauffeur, who then go to the title bar. This author wrote a novel that features an Argentine-hating dwarf who works at Radio Panamericana with the narrator. For 10 points, name this author of *War of the End of the World, Conversation in the Cathedral* and *Aunt Julia and the Scriptwriter*.

ANSWER: Mario **Vargas Llosa** [prompt on partial last name]

12. A form of this substance that contains cysteine is made of benzothiazine and benzothiazole units. In the human body, the first step in the synthesis of this substance is the synthesis of dopaquinone from tyrosine, which is catalyzed by the enzyme tyrosinase. In Parkinson's disease, neurons that contain a form of this substance are lost in the substantia nigra, which is named for the appearance of those cells. In piebaldism and vitiligo, cells that produce this substance are unable to transport their products to keratinocytes. The formation of moles with ragged edges indicates a cancer of cells which produce this pigment. For 10 points, name this pigment which is produced in the skin in response to sunlight. ANSWER: **melanin**

13. This man participated in a theatrical whale hunt during his construction of the harbor at Ostia. This ruler ordered toleration of Judaism in his letter to the Alexandrians. This emperor sent the former slave Narcissus to embarrass mutinying troops into embarking on a campaign led by Aulus Plautius. This emperor apparently spared the chieftain Caratacus, who had resisted his conquest of Britain. He was found hiding behind a curtain after his predecessor's murder, and he himself was likely poisoned by his wife Agrippina the Younger. For 10 points, name this stuttering Roman emperor, the successor to Caligula and predecessor of Nero.

ANSWER: Claudius [or Tiberius Claudius Caesar Augustus Germanicus]

14. A poet from this movement called "the best portion of a good man's life" his "little, nameless, unremembered, acts of kindness and of love." Critics from this movement wrote *Characters of Shakespeare's Plays, Tales from Shakespeare* and "On the Knocking at the Gate in Macbeth." A poet from this movement tried to use "language really spoken by men." A critic from this movement wrote *Confessions of an English Opium Eater.* A poet from this movement claimed, "all good poetry is the spontaneous overflow of powerful feelings" in the preface to *Lyrical Ballads*, which includes "Tintern Abbey." For 10 points, name this movement of Thomas De Quincey and William Wordsworth. ANSWER: English **Romanticism** [accept word forms like **Romantics**]

15. A theory that opposes this theory claims that people infer their attitudes from observing their behavior the same way an outside observer would. Daryl Bem's self-perception theory opposes this phenomenon, which one study attributed to "forced compliance." A community of UFO cultists dealing with the effects of this phenomenon is analyzed in *When Prophecy Fails*, which was written by a psychologist who tested this phenomenon by offering students either one or twenty dollars to perform boring tasks. For 10 points, name this phenomenon that was described by Leon Festinger, in which people experience discomfort when they try to reconcile contradictory beliefs.

ANSWER: cognitive dissonance

16. A poet writing in this language claims that he is the one "who will remain standing when I die" to profess, "I am not I." A poem in this language praises a man with strength "like a river of lions" and whose "smile was a spikenard," whose "blood comes out singing" after "death laid eggs in the wound / at five in the afternoon." A poet used this language to write numerous vignettes addressed to a silver donkey called Platero. This was the language used by members of the Generation of '27, many of whom wrote poems lamenting the goring-to-death of the bullfighter Ignacio Sanchez Mejias. For 10 points, name this language used by Juan Ramón Jiménez and Federico García Lorca.

ANSWER: **Spanish** [or **español**; or Castilian **Spanish**]

17. In a text named for one of these individuals, Bernhard Duhm identified a set of four poems that describe a person with "his form marred beyond human likeness" who will "bear the sins of the multitude." The "Suffering Servant" songs appear in a text by one of these figures. Another one of these people wrote a book that is traditionally read on the Ninth of Av. The "Former," "Major," and "Minor" books of these people appear before the Ketuvim and after the Torah. The Book of Lamentations was written by one of these men who predicted that Babylon would destroy Jerusalem. For 10 points, name these figures from the Hebrew Bible, who included Isaiah, Ezekiel, and Jeremiah.

ANSWER: Biblical <u>prophet</u>s [or <u>Nevi'im</u>; or Major <u>Prophet</u>s; or Minor <u>Prophet</u>s; or Former <u>Prophet</u>s; or Latter <u>Prophet</u>s]

18. Proteins that bind to this element, such as parvalbumin, often feature the "EF hand" motif. Although the PMCA protein has a higher affinity for this element's ion, a protein that has a higher capacity for exchanging this element's ions with sodium ions is responsible for removing this element from a cell after a cardiac action potential. Ions of this element bind to a troponin complex after they are released by the sarcoplasmic reticulum to initiate muscle contraction. Vitamin D helps maintain the levels of phosphorus and this element, which is used to synthesize hydroxyapatite by osteoblasts. For 10 points, identify this alkali metal found in bones and teeth.

ANSWER: calcium [or Ca; or Ca²⁺]

19. One of these people claimed that it was just to rebel against oppressive kings in the tract *Vindiciae Contra Tyrannos*. The Shakers were influenced by a group of these people known for their black smocks, the Camisards. One of these people stuck a poster on the king's door in the Affair of the Placards. The rights of these people were addressed in the Edict of Saint-Germain and by the 56 secret articles of another treaty. The Edict of Fontainebleau targeted these people, who had earlier been slaughtered in the St Bartholomew's Massacre. For 10 points, name these people whose freedom of worship was granted by the Edict of Nantes, a group of French Protestants.

ANSWER: <u>Huguenot</u>s [or <u>French Protestant</u>s until "French" is read; or <u>French Calvinists</u>s until "French" is read; prompt on "Protestants"; prompt on "Calvinists"]

20. Pieter Saenredam and Emanuel de Witte are best-known for their paintings of these structures. An Impressionist artist painted several depictions at once of one of these buildings to capture the different light effects on it, resulting in thickly-painted works with titles like *Symphony in Grey and Pink* and *Sunset, Harmony in Gold and Blue*. There is a rainbow over, and a wagon crossing a river in front of one of these buildings, in one of several depictions of the one in Salisbury by John Constable. Monet painted a series of depictions of one of these buildings in Rouen. For 10 points, name these buildings, which themselves are often decorated with paintings and stained glass windows.

ANSWER: cathedrals [or churches; or basilicas]

Extra

The losers of this battle made an alliance with the patrician Maurontus several years later. Troops fleeing from this battle were massacred along a road that became known as "the pavement of the martyrs." This battle, which is described in detail in the Mozarabic Chronicle, was fought shortly after the Battle of Garonne in which Duke Odo the Great was defeated. One side in this battle was apparently intending to sack the Abbey of St. Martin. The Umayyad commander Abd-ar-Rahman died at this battle, which earned another general a nickname meaning "hammer." For 10 points, name this victory for Charles Martel that is believed to have halted the Muslim invasion of Europe.

ANSWER: Battle of **Tours** [or Battle of **Poitiers**]

Bonuses

1. William Labov conducted a study of this characteristic by observing how shoppers at different department stores pronounced the letter "r." For 10 points each:

[10] Identify this characteristic of language that indicates one's rank in society. A "standard" language is believed to possess more of this quality than regional dialects.

ANSWER: sociolinguistic prestige

[10] Labov's study was conducted in this city, whose regional dialect includes variations like the use of "on line" instead of "in line." This city's accent has a "coffee vowel" which is prevalent far into eastern Long Island.

ANSWER: **New York** City

[10] This term refers to the use of two languages, one formal and one vernacular, in a community. Codeswitching occurs in such communities.

ANSWER: <u>diglossia</u> [or word forms like <u>diglossic</u>]

2. Answer some questions about pottery, for 10 points each.

[10] This type of unglazed earthenware was used to make an "army" of thousands of figures for the tomb of Qin ["chin"] Shi Huang Di.

ANSWER: terracotta

[10] This country was home to the creator of a porcelain medallion with the legend "Am I Not a Man and a Brother?" An extremely white kind of china made using bone ash was invented in this country.

ANSWER: **<u>England</u>** [prompt on Great **<u>Britain</u>** or the **<u>U</u>nited <u>K**ingdom</u>]

[10] This kind of East Asian pottery, many examples of which are found at Longquan, also gives its name to a shade of jade-green.

ANSWER: celadon

3. A man with this name governed Alaska after its 1867 purchase. For 10 points each:

[10] Give this name also shared by a President who appointed Judah P. Benjamin as Secretary of State and whose Vice President was Alexander Stephens.

ANSWER: Jefferson Davis [accept Jefferson Columbus Davis or Jefferson F. Davis]

[10] The future President of the Confederacy helped lead this Native American leader to captivity. This man names an 1832 conflict in which the United States fought against the Sauk and Meskwaki tribes.

ANSWER: **Black Hawk** [or **Makataimeshekiakiak**; accept the **Black Hawk** War]

[10] This future President of the United States gained his only military experience while fighting in the Black Hawk War. During the Civil War, he delivered the Emancipation Proclamation after the Battle of Antietam.

ANSWER: Abraham Lincoln

- 4. In Titian's *Venus of Urbino*, one of these animals is curled up sleeping at the foot of Venus's bed. For 10 points each:
 - [10] Identify these animals that, in paintings, commonly represent fidelity and loyalty.

ANSWER: **dog**s

[10] As part of an ad campaign for a cigar company, C.M. Coolidge created a series of paintings of dogs performing this activity.

ANSWER: playing **poker** [prompt on "playing **cards**" or equivalents]

[10] This artist painted a small brown dog at the bottom of a double portrait that also includes a mirror showing the subjects and the painter. In that portrait by this man, a pregnant woman in green stands next to a bed with red sheets.

ANSWER: Jan van Eyck

- 5. This author depicted Pantaleone serving as a second in a duel against an officer who fires his gun into the air rather than actually trying to shoot his opponent. For 10 points each:
 - [10] Name this author who wrote about Sanin breaking off an engagement with the candy shop owner Gemma Roselli after being bewitched by the icy Maria Polozov. This Russian author wrote *Torrents of Spring*.

ANSWER: Ivan Sergeyevich **Turgenev**

[10] *Torrents of Spring* is primarily set in this modern-day country. This modern-day country was home to a late-eighteenth century school of "classicism" promoted by the work of writers like Friedrich Schiller.

ANSWER: Federal Democratic Republic of **Germany** [or Bundesrepublik **Deutschland**]

[10] This German city became a major literary center in the late eighteenth century thanks to the presence of Goethe and Schiller. Thomas Mann wrote a novel in which Lotte returns to this city to settle accounts with Goethe.

ANSWER: Weimar

- 6. This theory very accurately predicts the magnetic dipole moment of the electron and magnitude of the Lamb shift. For 10 points each:
 - [10] Identify this theory, which describes interactions between charged particles and photons. It is a fusion of quantum mechanics and special relativity.

ANSWER: **QED** [or quantum electrodynamics]

[10] This man's work on QED won him the 1965 Nobel, along with Tomonaga and Schwinger. He is the namesake of diagrams used to visualize interactions in QED.

ANSWER: Richard Feynman

[10] Feynman was dismayed that this particular piece of mathematical "hocus-pocus" had to be used in QED. Generally, this technique is used to make infinities go away.

ANSWER: renormalizations

7. Identify some animals from the Bible, for 10 points each.

[10] One of these animals persuades Eve to eat from the tree of the knowledge of good and evil, leading to her and Adam's expulsion from the Garden of Eden.

ANSWER: **serpent**s [or **snake**s; or **nahash**]

[10] When Abraham is about to follow God's command to sacrifice Isaac, God tells him to sacrifice one of these animals instead. In Matthew 25, these animals serve as a metaphor for the nations who are separated out to be saved.

ANSWER: **ram**s [or **sheep**]

[10] The prodigal son lives among these animals after wasting his father's inheritance. Jesus exorcises a man who is possessed by a "Legion" of demons, forcing the demons to enter a herd of these animals.

ANSWER: **pig**s [or **swine**]

8. The capital city Windhoek sits on the outskirts of this region. For 10 points each:

[10] Identify this semi-desert that is home of the San bushmen.

ANSWER: Kalahari desert

[10] This river flows into the Kalahari desert, where it dries up without ever reaching the sea. This river's inland delta is home to a huge wildlife migration.

ANSWER: **Okavango** river

[10] The Okavango delta is in this country north of South Africa and east of Namibia.

ANSWER: Republic of **Botswana** [or Lefatshe la **Botswana**]

9. This czar apparently held a collapsed roof on his shoulders to help his family escape the Borki train disaster. For 10 points each:

[10] Identify this ruler whose advisor Konstantin Pobedonostsev helped design the May Laws, which forced Jews to live in urban areas. His ultra-conservative policies may have been inspired by the murder of his liberal predecessor.

ANSWER: **Alexander III** [prompt on "Alexander"]

[10] After the Borki train disaster, this man modernized Russian railways and planned the construction of the Trans-Siberian railway. This finance minister authored the October Manifesto during the Revolution of 1905.

ANSWER: Sergei <u>Witte</u> [or Count Sergei Yulyevich <u>Witte</u>; or Sergius <u>Witte</u>]

[10] Alexander III was succeeded by his son of this name, who lost the Russo-Japanese War and was executed along with his family after the October Revolution. The first czar with this name faced the Decembrist uprising.

ANSWER: Nicholas [or Nikolai; accept either name with an appended "I" or "II"]

10. The protagonist of this play is tricked into marrying the title character by Dauphine. For 10 points each: [10] Identify this play in which Morose marries the title character because he thinks she will be the title "silent woman." Little does he know, she's actually neither silent nor a woman.

ANSWER: **Epicene**, or The Silent Woman

[10] In this other play, the title Venetian "sly fox" pretends to be dying in order to get the three rivals for his fortune to do him favors, when in reality he intends to will it all to Mosca.

ANSWER: Volpone

[10] Volpone and Epicene are both by this 17th-century British playwright who wrote The Alchemist.

ANSWER: Ben Jonson

- 11. Many species which give a negative result for this test have endotoxins in their cell membranes. For 10 points each:
 - [10] Name this stain test which classifies bacteria by how well they retain the dye crystal violet.

ANSWER: **Gram** staining

[10] When performing a Gram stain, a solution containing this element is added to the cells after applying crystal violet dye. This element helps a bacterial cell retain the crystal violet dye by binding to it.

ANSWER: **iodine** [accept **!**]

[10] Gram-negative bacteria have a thin cell wall composed of this protein-carbohydrate polymer, while it is thicker in Gram-positive bacteria. Beta-lactam antibiotics like penicillin work by inhibiting the synthesis of this polymer.

ANSWER: **peptidoglycan** [or **murein**]

- 12. According to Ovid, this god sent an eagle to retrieve the remains of the slain Ophiotaurus and burned them to ensure the Olympians' victory in the Titanomachy. For 10 points each:
 - [10] Name this youngest son of Kronos, whose domain is the sky. This Greek God wields the thunderbolt.

ANSWER: **Zeus** [or **Jupiter**; or **Jove**]

[10] Zeus was hidden in a cave on Mount Ida where he was raised by this she-goat. The Cornucopia is sometimes said to have originated from a broken horn belonging to this figure.

ANSWER: Amalthea

[10] According to some sources, Zeus was hung from one of these objects to ensure that he was not in the sea, on land, or in the sky, and thus invisible to Kronos, who ruled over those three domains.

ANSWER: trees

- 13. Simon Stimson directs a choir that performs "Blessed Be the Tie That Binds" in this location. For 10 points each:
 - [10] Identify this New Hampshire town. It is the setting of a play in which George Gibbs gives up his future as a collegiate baseball player to marry Emily Webb.

ANSWER: Grover's Corners

[10] The fates of many characters in Grover's Corners are revealed by this character, who narrates the play.

ANSWER: The **Stage Manager**

[10] The Stage Manager appears in *Our Town*, a play by this author. This author wrote of an ice age's effect on the Antrobus family in *The Skin of Our Teeth*.

ANSWER: Thornton Wilder [or Thornton Niven Wilder]

- 14. This essay deplores the imposition of "the want of a worthy outlet for the active faculties" upon the title group of people, and argues against the "law of force" and the "law of the strongest." For 10 points each:
 - [10] Name this essay co-written by the author's wife Harriet Taylor. It advocates "a principle of perfect equality" between the sexes.

ANSWER: The Subjection of Women [or On the Subjection of Women]

[10] The Subjection of Women was written by this British philosopher, who outlined several necessary freedoms in his book On Liberty.

ANSWER: John Stuart Mill

[10] Mill wrote a book about this ethical system which argues that actions should be judged based on how much they contribute to the total amount of happiness in the world.

ANSWER: utilitarian ism

- 15. A general of this name won the naval Battle of Drepana after Claudius Pulcher threw some sacred chickens off his ship for not eating their grain. For 10 points each:
 - [10] Give this name of a member of the Barca family who trapped some rebel mercenaries in the Saw ravine. That man with this name was the father of Hannibal.

ANSWER: Hamilcar

[10] Hannibal led an army that included some of these animals across the Alps during the Second Punic War. At the Battle of Zama, some of these animals rampaged after being frightened by Roman trumpets.

ANSWER: elephants

[10] With his ally Ducarius, Hannibal ambushed and massacred Gaius Flaminius's troops in this battle. Fabius Maximus's delaying strategy was adopted in response to the disaster of this battle.

ANSWER: Battle of Lake Trasimene

- 16. Identify the following about the number zero, for 10 points each.
 - [10] One thing that totally can't be zero in physics is the product of uncertainties of two complementary variables. In fact, according to this physicist's uncertainty principle, it must be greater than h-bar over two.

ANSWER: Werner **Heisenberg**

[10] These tiny eight-legged creatures can survive all sorts of zeroes, as we found out when we stuck them in outer space, which has nearly zero pressure, temperature, or oxygen.

ANSWER: **tardigrade**s

[10] The amplitude of these entities is zero at amphidromic points, which means that these entities rotate around those amphidromic points.

ANSWER: tides [accept equivalents like tidal systems]

- 17. French "double" varieties of this instrument often included two keyboards and were richly decorated. For 10 points each:
 - [10] Name this older keyboard instrument that was largely "replaced" by the piano, although it has been revived by players like Wanda Landowska. Players of this instrument control a set of quills that pluck its strings.

ANSWER: <u>harpsichord</u> [or <u>clavecin</u>; or <u>cembalo</u>; prompt on "clavier"; antiprompt on "muselar," "spinet," or "virginal"; do NOT accept or prompt on "clavichord"]

[10] Landowska commissioned this French composer to write the *Concert Champêtre* for harpsichord. He also wrote a concerto for two pianos; a concerto for organ, timpani, and string orchestra; and a massive *Gloria*.

ANSWER: Francis [Jean Marcel] Poulenc

[10] Landowska also commissioned a composer from this country to write a harpsichord concerto. That composer from this country also wrote *The Three Cornered Hat*, the opera *Master Peter's Puppet Show* and a "Ritual Fire Dance."

ANSWER: Kingdom of **Spain** [or Reino de **España**]

- 18. During his Admirable Campaign, this leader was given Nevado, a dog who later died at the Battle of Carabobo. For 10 points each:
 - [10] Name this man who was known as "The Liberator" for his role in freeing South America from Spanish rule. He is the namesake of a country with capitals at Sucre and La Paz.

ANSWER: Simón **Bolívar** [or Simón José Antonio de la Santísima Trinidad **Bolívar** y Palacios Ponte y Blanco]

[10] Bolívar infamously issued this decree, which permitted the murder of any people born in Spain.

ANSWER: Decree of **War to the Death** [or Decreto de **Guerra a Muerte**]

[10] Bolívar also called for the unification of South America in his letter from this place. This colony was once governed by Henry Morgan from its then-capital of Port Royal, which collapsed into the sea during a 1792 earthquake.

ANSWER: Jamaica

- 19. This author quoted from T.S. Eliot's "The Journey of the Magi" for the title of his novel about a Parsi family living in Mumbai, *Such a Long Journey*. For 10 points each:
 - [10] Name this author whose novel A Fine Balance depicts the lives of the widow Dina and the college student Maneck as their country undergoes the political turmoil of "the Emergency" during Indira Gandhi's premiership.

ANSWER: Rohinton Mistry

[10] Mistry immigrated to Canada from this country, where A Fine Balance is set. It is also the home country of the authors Amitav Ghosh, Aravind Adiga and Arundhati Roy.

ANSWER: Republic of **India** [or **Bharat** Ganarajya]

[10] Aravind Adiga won the Booker Prize in 2008 for a novel titled for a "white" one of these animals. In Rudyard Kipling's *The Jungle Book*, Mowgli skins Shere Khan, who is one of these animals.

ANSWER: tigers [or The White Tiger]

- 20. Answer the following about the *d*-block elements, for 10 points each.
 - [10] This metal violates the Aufbau principle by filling in its 3d orbitals while leaving its 4s orbital half-full. Its alloys include bronze and brass.

ANSWER: **copper** [or **Cu**]

[10] This transition metal can be created by bombarding molybdenum with neutrons. No stable isotope of this element occurs naturally.

ANSWER: **technetium** [or **Tc**]

[10] The color of some transition metals like gold are due to electron transitions between d orbitals that do not possess this property. Orbitals with this property are at the same energy level.

ANSWER: **degenerate** [or **degeneracy**; do not accept or prompt on "non-degenerate"]

Extra

Arthur Waley translated this term as "power," and it names the second half of an eighty-one chapter book that uses wheels, pots, and houses as examples of things made useful by their emptiness. For 10 points each:

[10] Give this Chinese term that means "virtue" in common usage. Chapter thirty-eight of one book says that when this idea is lost, morality and ritual take its place.

ANSWER: de [or te]

[10] This belief system stresses non-action or wu wei and venerates the "three treasures" of compassion, moderation, and humility. De appears in the foundational text of this spiritual belief system of ancient China.

ANSWER: **Dao**ism [or **Tao**ism; prompt on "the Way"]

[10] This man is a manifestation of the *Taiqing* or "Grand Pure One." This 6th century BCE sage is held to be the author of the *Dao De Jing*.

ANSWER: Laozi [or Lao Tzu]

Haydn wrote one of these pieces named "In Time of War" which includes a prominent timpani part. For 10 points each:

[10] Name this genre, Haydn's other pieces in which include works nicknamed "Nelson" and "Theresa." ANSWER: **mass**es [or **messe**n; or **missa**e]

[10] This man was unable to finish his "Great" Mass in C Minor. He also died before finishing a D-minor liturgical work that includes movements like "Dies Irae" and "Lacrimosa" and was completed by Franz Xaver Süssmayr.

ANSWER: Wolfgang Amadeus **Mozart** [or Johannes Chrysostomus Wolfgangus Theophilus **Mozart**] [that work is the *Requiem*]

[10] The "Tuba Mirum" from Mozart's *Requiem* begins with a solo for this other low brass instrument. Players of this instrument change pitch by moving a slide.

ANSWER: trombone [or posaune]