

Pennsylvania Novice 2016

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2016

Packet 11 Tossups

1. In one work by this man, the ministers Ping, Pang, and Pong worry about preparing for either a wedding or a funeral for a prince who correctly answers three riddles. Prince Calaf sings *Nessun Dorma* in this man's *Turandot* while in another one of his works, a blown-out candle in a Latin Quarter apartment leads to Mimi meeting Rodolfo. Cio-Cio San commits (*) suicide at the end of another work by him that includes the aria *Un Bel Di*. For 10 points, name this Italian composer of the operas *La Boheme* and *Madame Butterfly*.

ANSWER: Giacomo **Puccini**

2. This element forms cubic clusters with sulfur in several important enzymes. This element is the heaviest stable product of silicon burning in stellar fusion, which is its isotope 56. Pyrite, or fool's gold, contains two sulfur atoms and one atom of this element. Hematite and (*) magnetite are the primary ore sources for this transition metal. It names the strongest type of magnetism, which is ferromagnetism. For 10 points, name this element with symbol Fe, found in steel.

ANSWER: **iron** (accept **Fe** until read)

3. Holy Qurbana refers to a version of this ceremony practiced by the Syriac Church. Some groups such as Seventh-Day-Adventists partake in foot washing before this ceremony. Huldrych Zwingli debated Martin Luther over whether this ceremony is symbolic or involves real presence, and the 4th Lateran Council expounded the theory of (*) "transubstantiation" in regard to it. For 10 points, name this ceremony in which bread and wine are said to become the body and blood of Christ, which often takes place during Mass.

ANSWER: Holy **Communion** (or **Eucharist**, prompt on mass before it is read)

4. A former soldier and newspaper magnate from this country relives memories of his military service during this country's revolution in *The Death of Artemio Cruz*. Another work set in this country describes an aging American journalist, based on Ambrose Bierce, who is killed on a hacienda. Another work by an author from this country, the (*) *Labyrinth of Solitude*, contains essays on "The Conquest and Colonialism" as well as "The Day of the Dead." For 10 points, name this Latin American country where writers such as Carlos Fuentes and Octavio Paz often drew on Aztec mythology.

ANSWER: **Mexico**

5. During this man's reign, Arminius destroyed forces under Quintilius Varus at the Teutoburg Forest. In 31 BC, this man's friend Marcus Agrippa commanded his forces to victory at Actium. After assuming his highest office, he called himself (*) "Princeps" and saw the start of a historical period called the *Pax Romana*. This member of the Second Triumvirate was succeeded as emperor by Tiberius. For 10 points, name this adopted son of Julius Caesar, the first emperor of Rome.

ANSWER: Augustus (or Octavianus; or Gaius Octavius; prompt on Caesar)

6. A woman in this musical realizes "three fundamental truths at the exact same time" upon seeing another character, who is "penniless" and "flying by the seat of his pants." In a number from this show, the refrain repeatedly states the line "I'm just like my country/ I'm young, scrappy, and hungry." Renee Elise Goldsberry and (*) Daveed Diggs won Tony Awards for this musical, which includes songs such as "My Shot," and "Aaron Burr, Sir." For 10 points, name this musical written by Lin-Manuel Miranda about the life of an American founding father.

ANSWER: Hamilton

7. This poet protested Parliament's Licensing Order of 1643 and censorship in his work *Areopagitica*. One poem by this writer begins "When I consider how my light is spent," referring to his own blindness. Pandemonium is the capital of Hell in an (*) epic poem by this man, in which the command to refrain from eating fruit on the Tree of the Knowledge of Good and Evil is broken and Adam and Eve are banished from the Garden of Eden. For 10 points, name this English author of *Paradise Lost*.

ANSWER: John Milton

8. During this war, one side suffered in-fighting during the May Days; this eventually neutralized the anarchist CNT party. The opposing side included support from the Fascist Falange party. This war is the setting of Ernest Hemingway's *For Whom the Bell Tolls*. This conflict saw heavy involvement from (*) international brigades, such as the Abraham Lincoln Brigade and the Condor Legion. For 10 points, name this war, which resulted in a dictatorship under Francisco Franco.

ANSWER: Spanish Civil War (or Guerra Civil Espanola)

9. The Schrodinger equation is often written as either dependent or independent of this quantity. Arthur Eddington detailed this quantity's asymmetry in a thermodynamic context, a phenomenon which may be explained by quantum entanglement. The SI definition for this quantity's base unit relies on the radiation frequency of a (*) cesium atom, and it is dilated for moving observers in relativistic physics. The derivative of velocity with respect to this quantity equals acceleration. For 10 points, name this quantity measured in seconds.

ANSWER: time (prompt on t)

10. One artist in this movement depicted art critic Félix Fénéon standing in front of a pinwheel of colors; that artist of *The Pine Tree at St. Tropez* is Paul Signac. Another artist from this movement also showed a man playing a trumpet, a woman with a (*) monkey on a leash, and several people carrying umbrellas at the title location in his most famous work. For 10 points, name this style of art, exemplified by Georges Seurat's *Bathers at Asnières* and *A Sunday Afternoon on the Island of La Grande Jatte* and characterized by the use of small dots of color.

ANSWER: Pointillism

11. The Battle of Bennington took place at the same time as this battle, and cut supply lines for British foragers. Many significant attacks of this battle sought to control Bemis Heights. Benedict Arnold was shot in the foot at this battle, which turned back (*) John Burgoyne's invasion of the Hudson Valley. This battle included fighting at Freeman's Farm. French forces were sent to support the American cause after, for 10 points, what 1777 American Revolution battle fought in upstate New York?

ANSWER: Battle of Saratoga

12. This college football team beat Penn State for the 1978 national championship with a defensive stand on the 1 yard line as time expired. Quarterbacks Bart Starr and Joe Namath played for this college. Its first Heisman winner was running back Mark Ingram, and it won six national titles while coached by (*) Bear Bryant. A surprise onside kick early in the 4th quarter helped secure this team's 45-40 victory over Clemson to win the 2015 National Championship. For 10 points, name this college football team that plays in Tuscaloosa, currently coached by Nick Saban.

ANSWER: University of Alabama Crimson Tide (accept either underlined part)

13. Fred Whipple proposed that these objects contained very little rock or dust. One of these objects that originated in the Oort cloud was visible from 1996 to 1997, and was named Hale-Bopp.

Another of these objects broke up and impacted (*) Jupiter in 1994 and produced a string of dark spots on the southern hemisphere. The Rosetta mission landed on one of these objects in 2016. Another of these objects was predicted by an English astronomer to reappear in 1705. For 10 points, name these icy bodies with highly eccentric orbits, one of which is named for Halley.

ANSWER: comet

14. One composer from this country depicted the demon Chernobog holding court during the titular *Night on Bald Mountain*. Another composer from this country depicted a trading caravan *In the Steppes of Central Asia* and the titular mythical royal in the opera *Prince (*) Igor*. The "Mighty Handful" from this country included both Alexander Borodin and Modest Mussorgsky, but not the pianist Sergei Rachmaninov. For 10 points, name the country where Dmitri Shostakovich premiered the *Leningrad Symphony*.

ANSWER: Russia or Soviet Union

15. In a novel by this writer, a man in Wahlheim becomes part of a love triangle with Albert and Charlotte before ultimately committing suicide. Along with *Wilhelm Meister's Apprenticeship*, this author wrote other works in the *Sturm und Drang* movement. In his best known play, the title scholar attempts to rescue Gretchen after making a (*) deal with Mephistopheles [meh-fih-STOF-uh-leez], a personification of the devil. For 10 points, name this author of *The Sorrows of Young Werther* [VER-ter] and *Faust*?

ANSWER: Johann Wolfgang (von) Goethe [GUR-tuh]

16. This god is said to have a rivalry with his first father-in-law, Daksha, because Daksha neglected to invite him to sacrifices. This deity is often depicted with crescent moon on his forehead, and with a third eye that can reduce things to ashes. After cutting off the head of his son because he would not let him in the (*) house to see his wife Parvati, he replaced his son's head with an elephant's head; that son was Ganesha [ga-NESH]. For 10 points, name this Hindu deity, often called "the destroyer."

ANSWER: Shiva

17. Kupffer cells in this organ destroy old red blood cells. It's not muscle, but this organ converts stored glycogen to glucose. Jaundice results if this organ is unable to process bilirubin. It is the only human internal organ able to naturally regenerate tissue. The (*) gallbladder is directly below this organ and stores its bile. Cirrhosis is the scarring of this organ, most often caused by alcoholism or various hepatitises. For 10 points, identify this vital organ involved in many metabolic processes.

ANSWER: liver

18. In this country, 30 miners were killed at the Eureka stockade while protesting mining licences. Bands of criminals called Bushrangers terrorized this country in the late 1800s, the most famous of whom wore home-made plate armor. That man was (*) Ned Kelly. Former governors of this country as a colony include Arthur Phillip and William Bligh, and James Cook discovered its Botany Bay. For 10 points, name this nation that began as a British penal colony, and is currently home to cities like Melbourne and Sydney.

ANSWER: Australia

19. Parades in this city often feature a "second line" of followers behind a jazz band. Its newspaper is the called the *Times-Picayune* and the St. Charles Streetcar runs through this city's Garden District to Canal Street. Beignets and chicory coffee can be found at Cafe Du Monde in this city's (*) French Quarter along with nightlife along Bourbon Street. Its Lower 9th Ward was devastated by Hurricane Katrina. For 10 points, name this creole-influenced city on the Mississippi River, the most populous in Louisiana.

ANSWER: New Orleans

20. In one work by this author, Henry kills his half-brother Bon. In another work, Homer Barron's long dead corpse is found in the house of the spinster Emily Grierson. One of his characters travels to the town of Jefferson with the dual purpose of burying his wife and buying a set of false teeth. (*)

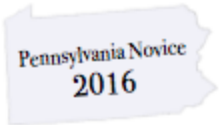
Quentin Compson commits suicide after his sister Caddie becomes pregnant in a novel by, for 10 points, what Mississippi-born author of "A Rose for Emily," *As I Lay Dying*, and *The Sound and the Fury*?

ANSWER: William Cuthbert **Faulkner**

TB. This politician controversially compared himself to Christ during his "Swing Around the Circle" speech tour. He replaced Hannibal Hamlin in one office after serving as governor of Tennessee. This politician backed quick re-instatement for the South during reconstruction, angering (*) Radical Republicans. The firing of Edwin Stanton resulted in this President violating the Tenure of Office Act and becoming the first President to be impeached. For 10 points, name this 17th President of the United States who succeeded Abraham Lincoln.

ANSWER: Andrew **Johnson**

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Packet 11 Bonuses

1. Characters such as Jing-Mei and O-Yan share this ethnicity in literature. For 10 points each,
[10] Name this ethnicity, which also includes the 2012 Nobel Prize in Literature winner, Mo Yan.

ANSWER: **China**

[10] The House of Earth trilogy includes the novels *Sons*, *A House Divided*, and this other Pearl S. Buck work centering on the family of poor Chinese farmer Wang Lung.

ANSWER: *The **Good Earth***

[10] This other author based her novels *The Joy Luck Club* and *The Bonesetter's Daughter*, on Chinese-American characters living in California.

ANSWER: Amy **Tan**

2. This man began his reign co-ruling with Ivan V, and took a “Grand Embassy” that included visits to Dutch shipyards to see how they built warships. For 10 points each:

[10] Name this Romanov who established a city on the Neva River and contributed greatly to the westernization of Russia.

ANSWER **Peter the Great** (or **Peter I** or **Peter Alexeyevich**)

[10] Peter defeated this country in the Great Northern War. At the time its king was Charles XII, and the war turned against them after defeat at the Battle of Poltava in 1709.

ANSWER: **Sweden**

[10] Peter the Great’s efforts to westernize and modernize culture included a tax on this facial feature, which traditionally kept the boyar nobles warm in winter.

ANSWER: **beards** or **facial hair**

3. Vilhelm Bjerknes was an important scientist in this field’s early history. For 10 points each:

[10] Name this study of atmospheric phenomena, which can be extended to weather forecasting.

ANSWER: **meteorology**

[10] On weather maps, these contour lines indicate areas where pressure is equal. They are useful for predicting weather phenomena.

ANSWER: **isobar**

[10] Masses of air with different densities are separated by these boundaries. The “cold” type of these phenomena are typically accompanied by thunderstorms.

ANSWER: weather **front**

4. This painting depicts a view from the artist’s window at an asylum in Saint-Remy.. For ten points each:

[10] Name this painting, in which a large black cypress tree stands out against a backdrop of swirling yellow and blue brushstrokes and a crescent moon.

ANSWER: *The **Starry Night***

[10] This eccentric Dutch Post-Impressionist, who once cut off his own ear, painted many depictions of irises and sunflowers, as well as *The Starry Night*.

ANSWER: Vincent **van Gogh**

[10] This van Gogh painting set in Arles depicts a slanted view of a man in a white suit standing next to a billiards table, surrounded by other people slumped at the tables of the title establishment.

ANSWER: The ***Night Café*** (or Le ***Café de nuit***)

5. This county controls the exclave of Musandam, which is separated from the rest of the country by the United Arab Emirates. For 10 points each:

[10] Name this country on the Southeastern corner of the Arabian peninsula that borders on Yemen. Its capital is at Muscat.

ANSWER: The Sultanate of **Oman**

[10] The U.S. 5th fleet is based in Bahrain, an island nation in this body of water which shares a name with a war fought by the U.S. from 1990 and 1991.

ANSWER: **Persian Gulf** (or **Arabian Gulf**)

[10] Across the Strait of Hormuz from Oman at the entrance to the Persian Gulf lies this country, which also controls the island of Bandar Abbas.

ANSWER: Islamic Republic of **Iran**

6. In this Christian denomination, people enter celestial marriages, and at one time this denomination allowed bigamous marriages. For 10 points each:

[10] Name this branch of Christianity which formed in America during the 1820s and is practiced by many people in western states such as Utah.

ANSWER: **Mormonism** (or The Church of Jesus Christ of **Latter Day Saints**)

[10] The Mormon church was founded by this man. He attributed his teachings to transcribing golden plates from an ancient language with God's help, and was succeeded as church leader by Brigham Young.

ANSWER: Joseph **Smith Jr.**

[10] This angel is said to have been the guardian of the golden plates and revealed them to Smith.

ANSWER: **Moroni**

7. Moses Gomberg produced long-lived examples of these chemicals in 1900. For 10 points each;:

[10] Name these chemicals which have unpaired electrons, making them extremely reactive.

ANSWER: free **radical**

[10] Radicals are involved in the formation of these chemical substances which consist of many monomers, such as Teflon and nylon.

Answer: **Polymers**

[10] These radical-containing compounds were phased out under the Montreal Protocol from their uses as refrigerants and propellants due to their destruction of ozone.

ANSWER: **chlorofluorocarbons** (or **CFCs**)

8. In this novel, Baron Danglars is kidnapped by Luigi Vampa's bandits and forced to turn over a fortune embezzled from hospitals. For 10 points each:

[10] Name this novel in which the sailor Edmond Dantes is framed as a Bonapartist and sentenced to the Chateau D'If before escaping and adopting the title alias to achieve revenge.

ANSWER: ***The Count of Monte Cristo***

[10] *The Count of Monte Cristo* is a work by this French author of Haitian ancestry, who also wrote about Athos, Porthos, and Aramis, the Three Musketeers.

ANSWER: Alexandre **Dumas**

[10] This story by Dumas, part of the “Ten Years Later” continuation of the Three Musketeers, concerns Aramis’ plot to replace King Louis XIV with Phillippe, the titular character who is forced to wear a metal headpiece.

ANSWER: The **Man in the Iron Mask**

9. Their first flight went 120 feet and lasted 12 seconds. For 10 points each:

[10] Name this pair of brothers credited with taking the first flight in what would evolve into modern airplanes, their namesake flyer.

ANSWER: The **Wright** Brothers (or Orville and Wilbur **Wright**)

[10] The first flight took place at this location in North Carolina. Part of the Outer Banks, it was selected for its long stretches of beach and steady breezes.

ANSWER: **Kitty Hawk** (or **Kill Devil Hills**)

[10] By trade, the Wrights were originally makers of this other type of vehicle at their shop in Dayton, Ohio. Early types included the bonemaker and the penny-farthing.

ANSWER: **bicycles**

10. Members of these groups are selected during a process known as *voir dire*, during which they may be questioned by attorneys. For 10 points each:

[10] Name these bodies, usually composed of twelve citizens who are tasked with listening to evidence and deciding guilt or innocence in criminal trials.

ANSWER: **juries** or a **jury**

[10] Juries are also used in these cases that are brought by a plaintiff rather than the government and often request damages. In some states, including Pennsylvania, only 10 votes out of 12 are needed for a decision in these cases.

ANSWER: **civil**

[10] In contrast to the “beyond a reasonable doubt” standard required for criminal cases, civil cases usually only require that the jury decide that the plaintiff has met this lower standard of the weight of the evidence.

ANSWER: **preponderance** of the evidence (or **more likely than not** or **more probable than not**; accept equivalents that make it clear the standard is **more than half**)

11. The fourth season of this current TV show involved a plot to smuggle a sample of weaponized Lassa fever to the Soviet Union. For 10 points each:

[10] Name this FX drama whose anti-heroes are two KGB agents played by Matthew Rhys and Keri Russell who pose as travel agents while raising a seemingly normal family in the suburbs.

ANSWER: The **Americans**

[10] In the final stage of this NBC TV show that replaced an earlier “Challenge” version, contestants attempt to climb Mt. Midoriyama within the time limit. Most episodes show contestants tackling obstacle courses.

ANSWER: **American Ninja Warrior**

[10] This character starred in a Summer 2016 movie subtitled “Civil War” in which he broke with Tony Stark over the regulation of superheroes and fought to save his friend, Bucky Barnes. He notably wears a blue, star-spangled uniform and carries an indestructible shield.

ANSWER: **Captain America** or Steve **Rogers**

12. This novel opens with explosions being seen at the Ottershaw observatory. For 10 points each:

[10] Name this novel, in which Martians attack the earth with three-legged fighting machines, which bear “Heat-Rays” and “Black Smoke.”

Answer: The **War of the Worlds**

[10] *The War of the Worlds* was published by this English author. He also wrote of a post-apocalyptic war between the intelligent but weak Eloi and brutish Morlocks in *The Time Machine*.

Answer: H. G. **Wells**

[10] Wells also wrote this novel, in which the title character performs vivisections on animals in attempts to turn them into humans.

Answer: *The **Island of Doctor Moreau***

13. Sections of this work are subtitled “The Mystic” and “The Bringer of Jollity”. For ten points each,

[10] Name this astronomically-themed orchestral suite with a movement for each of the seven title entities.

ANSWER: *The **Planets***

[10] This British composer of *The Planets* adapted one of its sections for the hymn “I Vow to Thee, My Country” and also wrote *St. Paul’s Suite*.

ANSWER: Gustav **Holst**

[10] This section of *The Planets*, titled “the Bringer of War,” is named for a red planet. It opens with ominous horns playing over a drum roll.

ANSWER: **Mars**

14. This man was reportedly cup-bearer to Ur-Zababa of Kish before becoming a conqueror. For 10 points each:

[10] Name this “Great” ruler of Akkad, who created a large empire encompassing much of Mesopotamia.

ANSWER: **Sargon** the Great of Akkad

[10] Babylonia, a successor state in Mesopotamia, was ruled for a time by this man, whose law code mentioned an “eye for an eye,” and is the world’s oldest known law code.

ANSWER: **Hammurabi**

[10] Mesopotamia is the easternmost part of a region of this shape, known as a “fertile” one. This shape also features on the flags of many Islamic nations now in the area.

ANSWER: **crescent**

15. This organ is made up of the ileum, jejunum and duodenum. For 10 points each:

[10] Identify this important organ of the digestive tract that receives partially digested food from the stomach.

ANSWER: **small intestine** (or **small bowel**)

[10] The stomach connects to the small intestine via the pylorus, which is controlled by one of these muscles that control many internal passages in the body.

ANSWER: **sphincter**

[10] While the small intestine primarily absorbs nutrients, the large intestine absorbs this substance. Vasopressin, or antidiuretic hormone, controls the kidney's reabsorption of this substance.

ANSWER: **water** (or **H₂O**; do not prompt on "blood" or "urine")

16. The individual "income" type of this payment is levied on the amount of money earned by a person. For 10 points each:

[10] Name this kind of compulsory unrequited payment to the government. The "sales" version is added on to purchases.

ANSWER: **tax**

[10] A Pigouvian tax such as a carbon tax is designed to account for the negative type of these inefficiencies in the market. These are the costs of a policy that do not directly affect those who choose the policy.

ANSWER: **externality**

[10] Arthur Laffer helped pioneer this approach to taxation in the Reagan administration. It involves reducing taxes in the hopes of stimulating economic growth and has been dubbed "trickle-down" economics by critics.

ANSWER: **supply-side** economics

17. This play is set in Grover's Corners, New Hampshire. For 10 points each:

[10] Name this play, narrated by the Stage Manager, which uses minimal props and sees the Stage Manager break the fourth wall many times, such as calling in "experts" to discuss geology.

ANSWER: **Our Town**

[10] *Our Town* was written by this American playwright, who also wrote about the Antrobus family from prehistoric to modern times in *The Skin of Our Teeth*.

ANSWER: Thornton **Wilder**

[10] *Our Town*'s 3rd act, which ends with George Webb crying over a tombstone of his wife Emily, takes place after *this* has happened to several characters.

ANSWER: they **died** (accept equivalents that indicate they are **dead**)

18. Name these great American public sculptures, for 10 points each:

[10] Gustave Eiffel designed the internal framework for this sculpture in New York Harbor. This sculpture holds a tablet in its left hand inscribed with the opening lines of Emma Lazarus's poem "The New Colossus."

ANSWER: The **Statue of Liberty**

[10] The words "out of a mountain of despair, a stone of hope" are engraved in this memorial, the newest to be dedicated on the National Mall. It commemorates a Civil Rights Movement leader who was killed in 1968.

ANSWER: **Martin Luther King, Jr. Memorial** or **MLK Memorial**

[10] British artist Anish Kapoor created this sculpture, located in Chicago's Millennium Park and known for its reflective stainless steel exterior, which was inspired by the flow of liquid mercury.

ANSWER: **Cloud Gate** (or The **Bean**)

19. Name these former British Colonies in Africa, for 10 points each:

[10] This country was subjected to British Control after the Battle of Omdurman in 1898. Its capital is Khartoum, and in 2011 its southern part became an independent nation with a similar name.

ANSWER: **Sudan**

[10] This country faced and quashed a breakaway movement in the region of Biafra soon after obtaining its independence. Oil facilities at its Port Harcourt have been subjected to terrorist attacks.

ANSWER: **Nigeria**

[10] This nation, which had the name “Rhodesia” in colonial times, saw runaway hyperinflation in 2008 which resulted in it needing to print a 100 Trillion Dollar Bill.

ANSWER: **Zimbabwe**

20. This material will remain magnetized after applying an external magnetic field, a phenomenon known as hysteresis. For 10 points each:

[10] Name this phenomenon usually displayed by nickel, cobalt, and its namesake element.

ANSWER: **ferromagnetism**

[10] If a ferromagnet is heated to this temperature, it will no longer display its magnetic properties. This temperature is named for a chemist, Pierre, who shared a Nobel Prize with his wife, Marie.

ANSWER: **Curie** point (or **Curie** temperature)

[10] A material whose magnetic permeability is less than that of a vacuum exhibits this other type of magnetism. These materials produce an induced magnetic field opposite to the external magnetic field.

ANSWER: **diamagnetism**

TB. The protagonists of this play belong to the Montague and Capulet families. For 10 points each:

[10] Identify this Shakespeare play about star crossed lovers who end up committing suicide when the boy mistakes the girl, pretending to be dead, for being actually being dead.

ANSWER: **Romeo and Juliet**

[10] That foolproof plan was hatched by this character, who encouraged Romeo and Juliet’s romance in hopes of bringing the feud between their families to an end. He also gives a soliloquy comparing plants to humans.

ANSWER: Friar **Laurence**

[10] Romeo and Juliet is set in this Italian city. Shakespeare also wrote a play about “Two Gentlemen” from this city.

ANSWER: **Verona**