

OOT 2017
Packet 06 - Tempted + OLT

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The last tossup in the last packet should have been: Boston

Tossups

1. **According to Plato, this man descended into a cave every nine years to receive laws from Zeus. After having sex with Procris, this man gifted her a javelin that never missed and the hunting hound Laelaps. This man's wife bewitched him so that he ejaculated snakes and scorpions. This brother of (*) Rhadamanthys and Sarpedon had a son who drowned in a jar of honey, Glaucus. Cocalus' daughter scalded this man to death in his bath. After his wife Pasiphae had sex with a bull, this man ordered Daedalus to construct a labyrinth to hold the offspring. For 10 points, name this mythical King of Crete.**

ANSWER: Minos

2. **A set of variations written for this instrument and orchestra was reordered by the dedicatee Wilhelm Fitzenhagen. Although the score doesn't state as such, *Tout un monde lointain* is considered a concerto for this instrument and was written by Dutilleux. One of his few non-solo piano works, Chopin wrote a (*) *Grand Duo concertant* for this instrument and piano. Tchaikovsky's *Variations on a Rococo Theme* and Bruch's *Kol Nidrei* were written for this instrument and orchestra. Famously played by Mstislav Rostropovich and Jacqueline du Pre, J.S. Bach wrote six solo suites for this instrument. For 10 points name this lowest pitched instrument in a string quartet.**

ANSWER: Violincello

3. **Changes in this quantity can induce birefringence in an effect that produces isoclinic and isochromatic lines which are studied using a Michel-Levy chart. One entity that describes this quantity is often separated into dilatational and deviatoric components. Von Mises' criterion appears as a cylinder centred on the hydrostatic axis in the parameter space of this coordinate. The normal and shear components of this quantity are plotted on (*) Mohr's Circle, a graphical representation of Cauchy's tensor formulation of this quantity. Like pressure, this quantity is often measured in pascals. The Young's Modulus of a material is equal to, for 10 points, what quantity divided by strain?**

ANSWER: Stress

4. **The last Babenburg duke of Austria had this name; known as "the Quarrelsome," he died fighting the Hungarians at the Battle of the Leitha River. This name was shared by Anne of Denmark's father and by a monarch who was twice excommunicated by Gregory IX, once for not going on crusade, and again a year later for going on the Sixth Crusade. That man also authored a treatise on (*) falconry. A later monarch with this name was a gifted flautist and friend of Voltaire, as well as a military reformer who won the Silesian Wars. For 10 points, give this name, shared by a Hohenstaufen Holy Roman Emperor known as the *stupor mundi* and a militaristic king of Prussia called "the Great."**

ANSWER: Frederick II [do not accept or prompt on answers that give a regnal number other than II—all of these are Frederick the Seconds; accept language variants on Frederick, like "Friedrich"]

5. **The quartz polymorph stishovite is only found near the Earth's surface in the context of these features. Depending on size, these features become either simple or complex, with the latter taking central peak, peak-ring or multi-ringed forms. These features may be identified by the presence of shatter cones or unusually high traces of (*) iridium. Examples of this type of geological formation include Lake Manicouagan in Quebec and**

Chesapeake Bay, while the largest known is the South Pole-Aitken Basin on the Moon. The one at Chicxulub probably caused the K-T extinction. For 10 points, what type of feature is formed by the impact of a celestial body.
ANSWER: Meteor crater or impact crater [prompt on “crater” alone which is a more general term]

6. **Lorenzo Lotto’s painting of this story includes dialogue cartouches, and five foreground characters rather than the usual three. Picasso’s version of this subject has the antagonists look down from a painting on the wall, while Thomas Hart Benton made a point of depicting the central character’s (*) pubic hair.** This is the subject of Artemisia Gentileschi’s first work, perhaps reflecting her sexual harassment by her tutor. The opportunity to depict female nudity in a Biblical context may explain the popularity in art of, for 10 points, which story from an apocryphal chapter of Daniel, involving two voyeurs and a chaste woman bathing?

ANSWER: Susanna and the Elders

7. **In this region, the Association for the Advancement of Civil Rights, which originated as a movement to protect the rights of families evacuated from this location during World War 2 was led by Joshua Hassan. A petrol station forecourt in this location was the site of the killing of three members of the Provisional IRA during Operation (*) Flavius.** This was the region in which John Lennon and Yoko Ono were married. This territory, which was the subject of the Lisbon agreement, may be unable to seek independence due to the terms of the Treaty of Utrecht. For 10 points, name this British overseas territory with a large rock.

ANSWER: Gibraltar

8. **This poet wrote “these fine collapses are not lies / More than the pirouettes of any pliant cane” in one poem. This poet of “Chaplinesque” wrote “Compass, quadrant and sextant contrive/ No farther tides ... High in the azure steeps / Monody shall not wake the mariner” in a poem set at another writer’s tomb. In one another work, this poet addressed a structure as “O (*) Sleepless as the river under thee / Vaulting the sea, the prairies’ dreaming sod.”; that work by this poet of “At Melville’s Tomb” includes the sections “Powhatan’s Daughter” and “Cape Hatteras.”** For 10 points, name this author of the collection *White Buildings* and epic poem *The Bridge*?

ANSWER: Harold Hart Crane

9. **In order to prevent this man appointing Henry Stanberry to replace John Catron as an Assistant Justice, Congress eliminated the seat. This president lost favor when he angrily suggested hanging Thaddeus Stevens during a speaking tour. “This President, who undertook the ‘Swing Around the Circle’ campaign, appointed Lorenzo Thomas in contravention of the (*) Tenure of Office Act that had stopped him sacking Edwin Stanton.** This man was the only former US President to later serve as a Senator. This President’s veto of the first Civil Rights Act was overridden, and he unsuccessfully opposed the Fourteenth Amendment. For 10 points, name this first president to be impeached, Lincoln’s successor.

ANSWER: Andrew Johnson

10. **The fifteenth verse of one work by a person with this surname begins with an exhortation to “harlots, and publicans, and thieves”. Translations by another person with this surname include the work “Regardless of Things Below”. One person with this surname referenced the liberation of Peter in the lines “My chains fell off, my heart was free,” in “And Can It Be?”. In a carol by that person with this surname, (*) George Whitefield altered the lyric “Hark! How all the welkin rings” to “Hark! The Herald Angels sing”.** For 10 points, what name is shared by Charles, the author of over 6 thousand hymns and his brother John, the founder of Methodism?

ANSWER: Wesley

11. **This author created an attorney general excited at the prospect of eating bush-meat from the forests of Wales when he sees Welsh Rarebit on a menu, and another of his characters disrupts a village by insisting**

that the school garden override the title “Dead Men’s Path.” An essay by this author notes that “The River Congo is quite decidedly not a River (*) Emeritus”. “Samsonite” Ossai uses a stapler to torture dissidents in the republic of Kangan in one novel by this man, who used the phrase “A thoroughgoing racist” to describe Joseph Conrad in the essay “An Image of Africa.” For 10 points, name this Nigerian author of *Anthills of the Savannah* and *Things Fall Apart*.

ANSWER: Albert Chinualumogu “Chinua” Achebe

12. When this character first appears onstage, he is deemed “too ugly” and told to return in the guise of a Franciscan friar. This character disputes about astronomy with his master, whom he provides with beautiful women and defends against Benvolio. Robin and Dick briefly capture this character, who turns them into a (*) dog and an ape, respectively. Told that “hell’s a fable,” this character replies, “Ay, think so still, till experience change thy mind,” having earlier explained that “where we are is hell, / And where hell is, there must we ever be.” For 10 points, name this demon who wins the soul of the title character in Christopher Marlowe’s *Doctor Faustus*.

ANSWER: Mephistopheles

13. This man and John McCain were the only two of the Keating Five to be exonerated after accepting campaign contributions from the Lincoln Savings and Loan Association. In response to Howard Metzenbaum’s accusation that he had “never met a payroll” this man gave the “gold star mothers” speech. This man took the first continuous panoramic photograph of the United States as pilot on (*) “Project Bullet” while setting a transcontinental speed record in 1957. Becoming the oldest man to go to space while still a senator in 1998, for 10 points, who as pilot of the *Friendship 7* mission became the first American to orbit the planet Earth?

ANSWER: John Herschel Glenn Jr.

14. Pocosin, varzea and carr are terms for sub-types of these entities, which, in the U.S., are classified by the Cowardin system into 5 main categories including palustrine and lacustrine. The U.N. Millennium Assessment found that environmental degradation was more prominent in these than any other type of ecosystem. An international convention on the conservation of these transitional zones was signed in 1971 at Ramsar. Large examples include the (*) Sylhet or Haor Basin in Bangladesh and South America’s Pantanal. Characterised by vegetation adapted to their hydric soil, for ten points, these are which land areas that are permanently or seasonally saturated with water?

ANSWER: Wetlands [accept narrower terms like marsh, swamp, bog, fen, mangrove]

15. Multiplying this quantity by the diffusion constant of an analyte and dividing by the square of a characteristic lengthscale gives a dimensionless form of this quantity useful in computational voltammetry. For a second order chemical reaction, plotting one over the (*) reactant concentration against this quantity gives a straight line with gradient equal to the rate constant. $H\text{-}\psi$ equals $E\text{-}\psi$ is a way of expressing the Schrodinger equation so that it is independent of this quantity. Fourier transforms can convert signals from the frequency domain to this domain. For 10 points, name this quantity measured in seconds.

ANSWER: Time

16. One of this author’s works ends with a woman smiling at the sound of gold coins as her daughter Paquita bleeds to death. As well as *The Girl with the Golden Eyes*, this author wrote a preface in which he compares society to the animal kingdom and promises to be its “secretary.” A novel by this author opens by proclaiming “All is true,” before describing a grotty (*) lodging-house with inhabitants such as Madame Vauquer and Vautrin. In that novel by this author, Delphine and Anastasie do not attend the funeral of their father, a retired vermicelli-maker. For 10 points, name this French realist author who included *Père Goriot* in his *Human Comedy*.

ANSWER: Honoré de Balzac

17. **If one of these drugs is given with glucocorticoids or catecholamines, the risk of its namesake “infusion syndrome” drastically increases. The potency of these drugs was shown to be closely correlated with lipid solubility by Overton and Meyer. The metabolism into trifluoroacetic acid of the only one of these drugs to contain bromine can cause a hepatitis. That drug is (*) halothane.** Examples of these drugs such as etomidate or propofol are given intravenously whereas others such as desflurane and sevoflurane are inhaled. Chloroform and ether were early examples of, for 10 points, which class of drugs used to knock people out before surgery.
ANSWER: General anaesthetics [accept propofol before mention; although “general” is not required, do not accept or prompt on “local anaesthetics”]

18. **This person is mentioned in 2 Kings as the son of Amittai, and as coming from Gath-hepher a few miles north of Nazareth. In Jewish tradition, this person was the boy brought back to life by Elijah in 1 Kings, Chapter 17. On one occasion, God causes a Kikayon plant to grow over him to provide shelter, but then destroys it by causing a (*) worm to gnaw at the root.** On a previous occasion this person is told by God to go to a certain city in Assyria, but instead goes to Joppa, where he boards a ship for Tarshish. For ten points, which of the minor prophets was thrown overboard and spent three days and three nights in the belly of a whale?
ANSWER: Jonah [accept Jonas]

19. **In Act I, Scene 2 of this opera, the title character sends away her two children with the servant Clotilde, and dissuades herself from killing them in *Teneri, teneri figli*. One woman promises another eternal friendship in the cabaletta *Si fino all'ore estreme*, and their other duets include *Vado al campo* and *Sola, furtiva al tempio*. A soldier in this opera spurns his second lover in (*) *Va crudele*, then imagines their life together in *Vieni in Roma*.** The signature aria of this opera is a *cavatina* asking a goddess to grant peace, sung by the lover of Pollione and friend of Adalgisa. *Casta diva* is sung by the title druidess of, for 10 points, what opera by Vincenzo Bellini?
ANSWER: Norma

20. **Roy Radner defined a version of this concept which, by explicitly modelling uncertainty and trading in financial instruments, extended the Arrow-Debreu framework. A method for finding the efficient level of provision for public goods which usefully produces a Pareto optimal allocation is one of these named for Lindahl. The general theory of (*) this concept, which considers whole economies, was pioneered by Léon Walras.** The First Fundamental Welfare Theorem asserts that markets in this state are Pareto efficient. For 10 points, what word describes a stable state in which economic forces are balanced, so that absent external influences, variables like price will not change?
ANSWER: equilibrium

Tiebreaker

21. The main character of this film pretends to be a minister while phoning a doctor's receptionist from a petrol station. An old woman in this film greets that main character as “Mr. Granite” as he visits the Taft Hotel with a woman he had earlier taken on a date to a strip club. This film's main character is given a diving costume for his birthday and told “One word: plastics!” by a family friend. Harold Lloyd served as a consultant for this film's finale in which Benjamin Braddock interrupts Elaine Robinson's wedding. “Mrs. Robinson, you're trying to seduce me.” is a line from, for ten points, what 1967 Mike Nichols film starring Dustin Hoffman.
ANSWER: The Graduate

Bonuses

1. Found in multiple inscriptions at Luxor, Karnak and elsewhere, the Bulletin and the Poem describe probably the largest chariot battle in history. For 10 points each:

[10] Identify this indecisive battle of 1274 BC between the Egyptians under Ramesses II and the Hittites.

ANSWER: **Kadesh**

[10] A body count survives from this even earlier battle which saw Pharaoh Thutmose III defeat a rebel coalition of Canaanite vassals led by the king of Kadesh. The Ottomans were also defeated in a battle named for this place in September 1918.

ANSWER: (Tel) **Megiddo**

[10] Another battle of Megiddo saw Pharaoh Necho II defeat and kill the Judean king Josiah. Necho and his Assyrian allies were subsequently defeated by the Babylonians under Nebuchadnezzar II at this decisive battle of 605 BC.

ANSWER: **Carchemish**

2. This pre-Socratic from Colophon mocked the anthropomorphic gods of Homer and Hesiod, and posited one supreme God who was eternal and all-encompassing. For 10 points each:

[10] Identify this Ionian philosopher, who was also the first known to have drawn the distinction between knowledge and true belief.

ANSWERER: **Xenophanes**

[10] Plato discusses knowledge and true belief in this dialogue, best known for the passage where Socrates coaches a slave boy through a geometry problem in order to demonstrate that knowledge consists of the memories of an immortal soul.

ANSWER: **Meno**

[10] The modern consensus that knowledge is justified true belief was challenged by this American philosopher's 1963 paper setting out counter-examples, known as his namesake cases, which appear to contradict the paradigm.

ANSWER: Edmund L. **Gettier III**

3. The Globalisation and World Cities Research Network ranks world cities from Alpha double plus to Gamma minus. For 10 points each:

[10] The rankings are primarily based on their connectivity in terms of four "advanced producer services", advertising, finance, legal services and this sort of service provided by a Big Four which includes friend of OUGS, PwC.

ANSWER: **Accounting**

[10] This city is listed as an Alpha city by the GaWC. Noted urban sociologists Louis Wirth and Ernest Burgess were part of a school of sociology based in this city.

ANSWER: **Chicago**

[10] This Dutch-American sociologist coined the term 'global city' in her 1991 book *The Global City: New York, London, Tokyo*. She is married to fellow sociologist Richard Sennett.

ANSWER: Saskia **Sassen**

4. This poet wrote, "And when I could no longer look, / I blest His grace that gave and took, / That laid my goods now in the dust," in the aptly titled "Upon the Burning of Our House July 10th, 1666." For 10 points each:

[10] Name this early American poet, who spoke to "Thou ill-formed offspring of my feeble brain" in "The Author to Her Book."

ANSWER: Anne **Bradstreet**

[10] As a female poet in Britain's American colonies, Bradstreet is often paired—as in this bonus set—with this African-American poet of "On Being Brought From Africa to America."

ANSWER: Phyllis **Wheatley**

[10] Wheatley addressed a poem to this American general and statesman, described as “first in peace and honor.” In 1776, this man wrote to Wheatley praising her work and inviting her to visit him at his military headquarters, which she did.

ANSWER: George **Washington**

5. The research submersible *Alvin* has made some of the most significant oceanographic discoveries of the past century since its first outing in 1964. For 10 points each:

[10] Scientists aboard the *Alvin* were the first to discover these hydrothermal vents when diving on the East Pacific Ridge in 1977. They reach a temperature of around 350°C, 50° higher than similarly named structures.

ANSWER: **Black smokers** (prompt on hydrothermal vents; do not accept white smokers)

[10] In 1966, the *Alvin* was used to detect a 1.45 megaton hydrogen bomb that had sunk into the sea after a B-52 crashed into the ocean off the coast of this country’s Almeria province.

ANSWER: **Spain**

[10] The *Alvin* was also used by Dr. Robert Ballard to explore the wreck of this ship. The *Alvin* is briefly depicted at the start of a 1997 film about this ship.

ANSWER: RMS **Titanic**

6. This man fled England with the advent of the Long Parliament, settling in Paris where he published a treatise on optics with his friend Marin Mersenne. For 10 points each:

[10] Name this man, who feared anti-royalist reprisals for his tract *De cive* and whose history of the English Civil War was not published until after his death.

ANSWER: Thomas **Hobbes**

[10] Hobbes’s was linked to the royalists by being a tutor to this man. This king ascended after the collapse of the Commonwealth, although all legal documents were dated as though he had succeeded his executed father.

ANSWER: **Charles II**

[10] Hobbes had earlier taught scions of this noble house, including the second and third Earls of Devonshire. This family currently holds the title of Duke of Devonshire, with their seat at Chatsworth House.

ANSWER: **Cavendish**

7. Pertussis toxin causes the overproduction of this molecule in eukaryotic cells. For 10 points each:

[10] Name this “second messenger” molecule whose actions mainly arise from its interactions with PKA.

ANSWER: **Cyclic adenosine monophosphate** [or **cAMP** or **cyclic AMP**]

[10] Cyclic AMP is synthesised by adenylyl cyclase from this molecule popularly called “the energy currency of the cell”.

ANSWER: **ATP** [or **Adenosine Triphosphate**]

[10] Cyclic AMP response-element binding protein is an example of a transcription factor which is held together by one of these motifs, which comprise two alpha-helices interlocked by a namesake basic amino acid.

ANSWER: **Leucine Zipper**

8. For 10 points each, answer the following about colonial projects that failed to achieve traction:

[10] This country attempted to colonise Panama in the Darién scheme. The scheme’s failure contributed to this country’s decision to pass the Acts of Union in 1707.

ANSWER: **Scotland**

[10] The Russian Empire held colonies in America for over 130 years, reaching as far south as the settlement of Fort Ross in this U.S. state. Settled between 1812 and 1842, it is now a historical state park.

ANSWER: **California**

[10] In the 1860s, Leopold II of Belgium attempted to acquire this territory from Spain. After three unsuccessful attempts to secure this territory, he instead decided to establish a colony in the Congo.

ANSWER: The **Philippines** (accept Pilipinas)

9. With Nikolai Rimsky-Korsakov, he helped to complete a performing version of the *Polovtsian Dances* from *Prince Igor* after the death of Borodin. For 10 points each:

[10] Name this composer who composed his *Concerto in E flat major for Alto Saxophone* under pressure from Sigurd Rascher

ANSWER: Alexander **Glazunov**

[10] Glazunov was supposedly drunk while conducting the disastrous premiere of the First Symphony by this Russian composer of Rhapsody on a Theme of Paganini.

ANSWER: Sergei Vasilievich **Rachmaninoff**

[10] An early work by Rachmaninoff was his *Prelude in C-sharp Minor* which was published in this set of five solo piano works. It was dedicated to his harmony teacher at the Moscow Conservatory, Anton Arensky.

ANSWER: **Morceaux de fantaisie** [or **Fantasy Pieces**]

10. Answer some questions about microfluidics for 10 points each:

[10] Since in microfluidic systems inertial forces are much smaller than viscous ones, this dimensionless quantity is very small, and flows tend to be laminar instead of turbulent.

ANSWER: **Reynolds Number** (or **Re**)

[10] Microfluidics can be used to confine cells in conjunction with a type of creeping flow at low Reynolds number named for this scientist.

ANSWER: George **Stokes** [accept **Stokes Flow**]

[10] One way of introducing inertial forces to microfluidic devices is through the acoustic manipulation of these objects to induce pulsation or cavitation. These objects translate in response to Bjerknes forces.

ANSWER: **Bubbles**

11. NHL players have struggled to follow in the lead set by the NBA in the dramatic arts. For 10 points each:

[10] Former Bruins right wing Cam Neely angrily spat into a burger as the trucker Sea Bass in this 1994 film where he antagonises the protagonists Lloyd and Harry during their road trip from Providence to Aspen.

ANSWER: **Dumb and Dumber**

[10] This hockey player became the only player to host SNL not long after a move to the L.A. Kings. This man and his brother Brent amassed 2,861 points in the NHL, more than any other sibling pair, although Brent only scored 4 of those points.

ANSWER: **Wayne Gretzky**

[10] In the *Knocked Up* spin-off *This is 40*, while in a bar, Debbie and Desi meet members of this team, which won back to back Stanley cups in 1973 and 1974 under Bobby Clarke. In the scene, current deputy coach Ian Laperriere removes his teeth to give to Megan Fox.

ANSWER: Philadelphia **Flyers**

12. In one scene in this novel, the protagonist notes that Tancredi is dressed in Prussian Blue, his “seduction color.” For 10 points each:

[10] Name this novel, which takes its title from the coat of arms of Prince Fabrizio Corbera, by Giuseppe Tomasi di Lampedusa, set in Sicily during the Risorgimento.

ANSWER: *The **Leopard*** [or *Il **Gattopardo***]

[10] This loyal dog of Prince Fabrizio has his embalmed corpse thrown out of a window in the final scene of *The Leopard*; Lampedusa wrote that he is “a very important character and is almost the key to the novel.”

ANSWER: **Bendicò**

[10] In 1959, *The Leopard* won Italy’s Premio Strega, won twenty years later by *La chiave a stella*, a novel by this author of *If Not Now, When?* and *The Drowned and the Saved*.

ANSWER: Primo Michele **Levi**

13. With Carter, he names a diagram which represents space on its x-axis and time on its y-axis. For 10 points each:
[10] Name this British mathematician who developed pairs of tiles that can tile a plane non-periodically with five-fold rotational symmetry but no translational symmetry.

ANSWER: Roger **Penrose**

[10] Penrose also gives his name to a geometrically impossible one of these shapes which contains three right angles. These shapes form the faces of an icosahedron.

ANSWER: **Triangles**

[10] Penrose developed of this theory, which maps conventional geometric objects in 3+1 Minkowski space into a namesake four-dimensional space. In 2003, Ed Witten suggested connections between this theory and string theory.

ANSWER: **Twistor** Theory

14. At the start of this novel, Marshal Hong releases 108 stars of destiny, imprisoned under an ancient stele-bearing tortoise, which are re-born as heroes. For 10 points each:

[10] Name this classic Chinese novel about a group of outlaws who gather at the Liangshan marsh.

ANSWER: **Water Margin** (accept **All Men Are Brothers** or **Heroes of the Marsh** or **Shui Hu Zhuan**)

[10] This principal antagonist of *Water Margin* is a corrupt minister of the Huizong emperor. He frames Lin Chong for attempted assassination and tries to have him killed by bribing the guards taking him into exile.

ANSWER: **Gao Qiu** (accept **Kao Chou**)

[10] The most highly regarded translation of *Water Margin* was written by this Jewish-American who died in 2014. This author of the autobiography "I Chose China" became a naturalized Chinese citizen in 1963.

ANSWER: Sidney **Shapiro**

15. As a result of a curse from the four kumaras, Jaya and Vijaya were offered seven incarnations as friends of Vishnu, or three as enemies, and chose the latter because it was shorter period away from Vishnu. For 10 points each:

[10] In his first incarnation Jaya is incarnated as Hiranyaksha, a demon who stole the earth, hid it at the bottom of the ocean and was thus killed by this avatar of Vishnu who raises the earth back up on his tusks.

ANSWER: **Varaha**

[10] In their second incarnation, they are incarnated as Kumbhakarna and this nine or ten headed Rakshasa king, who had to wake Kumbhakarna when the war with Rama and Hanuman in his kingdom of Lanka is going badly.

ANSWER: **Ravana**

[10] The third incarnation was as Sisupala who notably has four arms and this body part until he meets Krishna, foretelling his death at Krishna's hands. Shiva has one of these body parts which, when open, produces scourging flames.

ANSWER: **third eye** [prompt on eye]

16. This musical work was first performed at the Paris Opéra in 1934 under the composer's direction, with René Maison singing the role of Eumolphe. For ten points each:

[10] Identify this melodrama for speaker, tenor, chorus, dancers and orchestra, based on a story from Greek mythology with a text by André Gide.

ANSWER: **Persephone** (may be pronounced Per-ze-fon)

[10] This Russian Jewish émigré and heiress commissioned *Persephone* as a vehicle for her acting and dancing. She danced as Zobeide opposite Nijinsky in the Ballet Russe's 1910 production of *Scheherezade*.

ANSWER: Ida Lvovna **Rubinstein**

[10] As well as *Persephone*, this composer wrote *Octet*, *Serenade in A* and *The Rake's Progress* during his neo-classical period; although he's best known for earlier works like *The Rite of Spring*

ANSWER: Igor Fyodorovich **Stravinsky**

17. Before Stalin and Gorky imposed 'Socialist Realism' in the 1930s, avant-garde art could still flourish in the Soviet Union. For 10 points each:

[10] From 1919, this painter and architect worked on plans for the massive and unbuilt Monument to the Third International.

ANSWER: Vladimir **Tatlin**

[10] El Lissitzky, Alexander Rodchenko and Gustav Klutis (pron. Clu-chiss) were pioneers in the use of this artistic technique for political propaganda which George Grosz and John Heartfield had developed in Germany.

ANSWER: **Photomontage**

[10] Before producing Soviet agitprop, Vladimir Mayakovsky was a member of an artistic movement sharing its name with this technologically-minded Italian movement of Filippo Tommaso Marinetti and Umberto Boccioni.

ANSWER: **Futurism**

18. This person railed against "the bloodthirstiness of both the Popish and Fanatic enemies of our Church and Government" in his 1709 sermon "The Perils of False Brethren". For 10 points each:

[10] Name this Anglican clergyman whose subsequent trial inspired rioters to destroy many nonconformist meeting houses.

ANSWER: Henry **Sacheverell**

[10] The Sacheverell Riots helped to lead to the downfall of the Whig administration and greatly aided this faction at the 1710 General Election. This faction's name is still used as a nickname for the British and Canadian Conservative Parties.

ANSWER: **Tories** [or **Tory**]

[10] This Tory leader and rival of Walpole was appointed chancellor of the Exchequer then ennobled in the wake of the Sacheverell Riots. He was imprisoned on the accession of George I.

ANSWER: Robert **Harley**, 1st Earl of Oxford and Earl Mortimer

19. Jean-Pierre Sauvage shared the 2016 Nobel Prize in chemistry for his work on the templated synthesis of these compounds, which served as a vital initial effort towards the creation of molecular machines. For 10 points each:

[10] Name these compounds which consist of two mechanically interlocked rings.

ANSWER: **Catenanes**

[10] Sauvage used an ion of this element to hold the catenane precursors in place. This element alloys with zinc to form brass.

ANSWER: **Copper (or Cu)**

[10] Sauvage's catenane was formed by the reaction of phenoxide anions with alkyl halides to form this functional group with general formula R-O-R.

ANSWER: **Ethers**

20. Most of Charles Dickens' female characters were notoriously either virginal domestic goddesses or fallen women, but his last few novels do contain some more sophisticated female characters. For 10 points each:

[10] Name this protégée of Miss Havisham, who wants to see her break Pip's heart.

ANSWER: **Estella** Havisham

[10] In *Our Mutual Friend*, John Harmon must marry this money-grubber to gain his inheritance, but he disguises himself as Rokesmith and they marry for love.

ANSWER: **Bella Wilfer** [accept either underlined part]

[10] Edwin Drood and this woman amicably end their engagement when she learns that she will not lose her inheritance by doing so. This woman works with Mr. Grewgious to foil the schemes of her villainous music teacher, Jasper.

ANSWER: **Rosa Bud** [accept either underlined part]