Minnesota Undergraduate Tournament 2015: My Torah Portion was an Archie Comic
Questions by Rob Carson, Mike Cheyne, Andrew Hart, Gautam Kandlikar, Shan Kothari, Bernadette
Spencer, Cody Voight, and *special guest* **Ike Jose**
Packet 13: Tossups

1. **This man's mummified face ended up in Nicholas Armez's possession. This non-monarch was the target of a botched plot by his one-time sidekick, the Marquis of Cinq-Mars. He set up the "Company of One Hundred Associates" and negotiated the Peace of Alais, which limited civil rights. This man's career barely survived the "Day of the** (*) **Dupes" in which he had a tense meeting with Marie de' Medici.** In support of explorers like Samuel de Champlain, this man founded the Company of New France. He personally commanded French troops as they besieged the Huguenot stronghold at La Rochelle. This man, the "Red Eminence," was succeeded by his protégé, Jules Mazarin. For 10 points, name this French clergyman who was Louis XIII's chief minister.
ANSWER: Cardinal **Richelieu** [or Armand Jean **du Plessis**]

2. **In astronomy, the angular size of a source can be detected by one of these things designed by Hanbury, Brown, and Twiss. The Jamin type of these devices is used to measure the refractive index of gases. The cavity for lasers is often used created using one of these things called an etalon, though it's alternately named Fabry and Perot. LIGO searches for** (*) gravitational waves by using two of these devices. Another of these devices failed to produce a fringe-shift, which was inconsistent with the presence of a luminiferous ether. That device was designed for the Michelson-Morley experiment. For 10 points, name these devices that split a beam of light, create a phase shift, and recombine the beam to create a namesake pattern.
ANSWER: **interferometer**s

3. **The dismissive term "SLAB theory" refers to the analysis of these things. Siegfried Kracauer wrote "a psychological history" of these things in Germany up to the time of Hitler. David Bordwell and Kristin Thompson have written introductory textbooks analyzing these things. Laura Mulvey wrote about the role of the "gaze" and "visual pleasure" in these things. Andrew Sarris promoted the** *auteur* **theory of analyzing these things, arguing that their analysis should focus on one voice.** David Denby writes about these things for the *New Yorker*, following in the footsteps of Pauline Kael. A theory of these things was proposed by Francois Truffaut, who also creates them. For 10 points, name these things that were analyzed by critics like Roger Ebert.
ANSWER: **movies** [or **film**s, accept obvious synonyms]

4. **A painting by this man includes a darkened version of Francesco Furini's** *Lot and his Daughters* **in the background and includes a hook-nosed woman with bare arms she was so proud of that she banned gloves in her court. Theophile Gautier said that a painting by this man depicted "the corner baker and his wife after they have won the lottery", due to their vacuous facial expressions. A dagger-wielding man unhorses a** (*) turban-wearing soldier in a painting by this man inspired by the same conflict that spawned a painting lit primarily by a huge square lantern, in which a white-shirted man throws his hands into the air. The Peninsular War inspired this man's paintings of the events of the second and third of May, 1808. For 10 points, name this court painter to Charles IV of Spain, whose Black Paintings include *Saturn Devouring His Son*.
ANSWER: Francisco **Goya** [or Francisco Jose de **Goya** y Lucientes]

5. **This man appended 16 lines addressed to "sons insolent and shameless" who "press to the Tsar's throne with [their] driveling" to a poem in which he writes that Alexander Pushkin's lips were "forever sealed" upon Pushkin's death. This author of "The Death of the Poet" wrote a poem whose title character kills an oprichnik of Ivan the Terrible in a fistfight and is executed. "The Song of the Merchant Kalashnikov" is by this author, who wrote of Princess Tamara, who succumbs to the fatal kiss of a supernatural being who lives in the** (*) Caucasus, in his long romantic poem *Demon*. In a novel by this man composed of five vignettes, two of the narrators are Maxim Maximych and the superfluous man Pechorin. For 10 points, name this Russian author of *A Hero of Our Time*.
ANSWER: Mikhail **Lermontov** [or Mikhail Yuryevich **Lermontov**]

6. **This woman gives information about the murderous conspiracy of the eunuchs Bigthan and Teresh. She invites the husband of Zeresh to a feast, which ends with that man and her caught in an incriminating position on a couch when her own husband enters. This person declares "if I perish, I perish" after being chastised for her potential silence by a relative. After obtaining her position when (*)** Vashti is deposed, this cousin of Mordecai ends up marrying King Ahasuerus, who may actually be Xerxes I. She is honored on the 14th day of Adar. This woman's saving of her people from Haman is celebrated on Purim. For 10 points, name this Jewish woman who becomes queen of Persia in her namesake Old Testament book.
ANSWER: **Esther** [or **Hadassah**]

7. **A duo from this place killed police officer Leslie Coffelt, with one of the murderers later freed from prison by Jimmy Carter. It developed an industrial economy during Operation Bootstrap. During the 1950's, gunmen from this place opened fire in the U.S. Capitol and earlier tried to assassinate Harry Truman at Blair House as part of a nationalist campaign. Elihu Root wrote the Foraker Act establishing a government for this place. The (*)** Jones Act granted residents here American citizenship, which they retain to this day. The first European governor here was Juan Ponce de Leon, and it fell under American control after the Spanish-American War. For 10 points, name this Caribbean island and U.S. commonwealth, which occasionally attempts to become a full state.
ANSWER: **Puerto Rico**

8. **This composer made the pianist imitate trombone glissandi in a piece that mashed up an Arthur Pryor tune with songs from Will Marion Cook's *In Dahomey*. Late in life, this composer became obsessed with using mechanical instruments to perform "free music." He incorporated time signatures like 1.5/4 and 2.5/4 into a movement called "Lord Melbourne." This composer's folk music pastiches include (*)** "Mock Morris" and "Handel in the Strand." He rejected non-English score instructions, leading to constructions like "with pioneering keeping on-ness." His choral arrangement of *Brigg Fair* was used as the basis for Frederick Delius's orchestral setting, and he wrote *Lincolnshire Posy* for concert band. For 10 points, name this eccentric Australian composer whose folk tune settings include *Country Gardens*.
ANSWER: Percy Aldridge **Grainger**

9. **This author wrote a play in which a fisherman named Gripus fantasizes about founding a city named "Gripopolis" after catching a heavy trunk in his net. In that play by this man, Trachalio convinces a pimp to free Palaestra, who discovers that Daemones is her father. Messenio's master takes advantage of a meal offered by Erotium that was originally intended for Peniculus and his master in a play by this man that was used as the basis for (*)** Shakespeare's *The Comedy of Errors*. One of his plays is about Euclio, who is obsessed with guarding the title store of his riches, while another is titled for the type of stock character represented by Pyrgopolynices, a braggart soldier. For 10 points, name this author of *Rope*, *Menaechmi*, *The Pot of Gold*, and *Miles Gloriosus*, a Roman comic playwright.
ANSWER: **Plautus** [or Titus Maccius **Plautus**]

10. **SNALPs are used for transfection of a kind of molecule used in this process that has a phosphorylated 5' end and a hydroxylated 3' end. Analogs of this process are called quelling in fungi and cosuppression in plants. Before export from the nucleus, a precursor to one type of molecule involved in this process is cut by the "Microprocessor" complex formed from DGCR8 and (*)** Drosha. One complex used in this process uses Argonaute proteins for catalysis. In this process, Dicer cleaves a double-stranded RNA, creating a guide strand that is incorporated into RISC, which then cleaves a complementary gene transcript. Andrew Fire and Craig Mello won a 2006 Nobel Prize for their work on this phenomenon in *C. elegans*. For 10 points, name this process in which microRNAs or siRNAs cause post-transcriptional gene silencing.
ANSWER: **RNA interference** [or **RNAi**; prompt on "gene silencing," "post-translational gene silencing," or "PTGS"]

11. **In the tenth chapter of this novel, the protagonist receives unhelpful advice about having the tailor Tookey make him a Sunday suit from Mr. Macey but is cheered by the famous lard-cakes provided by a wheelwright's wife. A character in this novel dies after a late-night ride in which he cripples his brother's prize horse Wildfire. Another character in this novel is able to marry (*)** Nancy Lammeter after revealing that his previous wife, the opium addict Molly Farren, had frozen to death. The protagonist of this novel is framed for theft by William Dane and kicked out of Lantern Yard, then later has his hoard of gold stolen by Dunstan Cass, but eventually finds happiness after adopting Eppie. For 10 points, identify this 1861 novel about a "weaver of Raveloe", written by George Eliot.
ANSWER: **_Silas Marner_**: _The Weaver of Raveloe_

12. **One of these characters threatens to flood a mountain pass but is mollified when his foe commits suicide and gives his bones to his parents. Decorative motifs often depict one or more of the "nine sons" of these figures. One of these characters loses both his third son and his lizardlike servant Li Gen to the warrior deity Nezha. In a different story, that one of these characters offers a seemingly-useless iron pillar that turns out to be a size-changing magical staff to (*)** Sun Wukong. Ao Guang is one of the four kings of these beings that rule over the four oceans. These creatures are the _yang_ counterpart to the _yin_ fenghuang. For 10 points, identify these creatures, the only mythical beings represented in the Chinese zodiac.
ANSWER: Chinese **dragon**s [or **long**; or **dragon** kings; accept "that's a fucking **Chinese myth dragon**"]

13. **The current holder of this position remarked that "housewives…need to understand as they do the ironing" that their power bills are going to rise. That comment led to a speech by a previous holder of this position who said "the government will not be lectured about sexism and misogyny…not now, not ever." In 2012, radio broadcaster Alan Jones remarked that a holder of this post's father "died a few weeks ago of shame." In 2008, a man in this post read an (*)** apology for the "stolen generations." This position, which is held by members of the Country, Labor, and Liberal Parties, was held in recent years by John Howard and Julia Gillard. For 10 points, name this position currently held by Tony Abbott, who is the leader of a commonwealth.
ANSWER: **Prime Minister** of **Australia** [or **PM** of **Australia**; accept different word orders]

14. **A member of this family who went to Dartmouth is mockingly called "Mr. Einstein" and "Joe College." When talking with a member, Senator Pat Geary from Nevada mispronounces this family's name. Members get into a fight after one announces his enlistment in the Marines during his father's birthday party. This family acquires its name after** Ellis Island workers confuse the patriarch's hometown for his last name. A member continually repeats "I do renounce them" while the camera cuts to his various rivals being shot. That member of this family retrieves a gun from a bathroom to kill Sollozzo and he orders the heads of the Four Families killed during the baptism of his nephew. For 10 points, name this family of Vito and Michael from _The Godfather_.
ANSWER: **Corleone** [accept **Andolini**]

15. **This simplest molecule containing this functional group is produced alongside three water molecules from methane, oxygen, and another reactant in the Andrussow process. Elsner's equation gives the amount of gold that can be dissolved when reacted with this functional group in a process that accounts for 13% of the world's usage of compounds containing this moiety. The compound hydroxocobalamin reacts with this moiety to produce a compound that is safe for the body to process. The presence of this moiety in a sample can be tested by adding iron(II) sulfate to see if a (*)** blue color results. This moiety is isoelectronic with carbon monoxide. When it is bonded to hydrogen, it forms a liquid or gas with the smell of bitter almonds that is sometimes called prussic acid. For 10 points, name this functional group consisting of a carbon triple-bonded to a nitrogen.
ANSWER: **cyano** group [accept **cyanide**; accept **nitrile** group; accept **CN** or **CN minus** before "nitrogen"]

16. **Prominent use of this material explains the nickname of a statue in Birmingham in which partially-unrolled steam engine plans are being examined by William Murdoch, Matthew Boulton, and James Watt. The exterior of a Daniel Chester French sculpture of a quadriga called *Progress of the State*, found atop the Minnesota State Capitol, is made of this material. Miniature statues of Nike designed to be held in the hand of the (*)** *Athena Parthenos* were often made of this material. A male figure and a female figure, often identified as Neptune and Ceres, who sit with their legs intertwined atop an object made for Francis I, are made of this material. Ancient sculptors often used accessories of this material combined with bodies made of ivory in chryselephantine sculptures. For 10 points, name this material used to create Benvenuto Cellini's *Salt Cellar*, a valuable precious metal.
ANSWER: **gold** [or **Au**; or **chrysos**]

17. **This author wrote two responses to Beckett's *Waiting for Godot*, the postapocalyptic *What Use Are Flowers?* and the parodic *The Arrival of Mr. Todog*. Gloria commits suicide after being dumped by Alton Scales in a play by this author whose title character, a Greenwich Village writer, becomes disillusioned by the corrupt politician Wally O'Hara. One of this author's characters drunkenly imagines stabbing people with a flaming spear while another shouts (*)** "OCOMOGOSIAY!" The protagonist debates whether to accept an offer from Karl Lindner in a play by this author in which George Murchison and Joseph Asagai both court Beneatha. For 10 points, name this author of *The Sign in Sidney Brustein's Window* who wrote about the deferred dreams of the Younger family in *A Raisin in the Sun*.
ANSWER: Lorraine **Hansberry** [or Lorraine Vivian **Hansberry**]

18. **In cryptography, this term describes useful logarithms defined with respect to multiplicative cyclic groups. A probability mass function is defined for random variables described by this term. Random variable of this type must have an associated sample space that is finite or countably infinite. Sampling is used to obtain a signal in this type of time domain. The (*)** Poisson, Bernoulli, and binomial probability distributions are all described by this term. The field of mathematics denoted by this term includes the fields of combinatorics and graph theory. For 10 points, name this term which describes random variables that take on distinct and separated values, as opposed to "continuous".
ANSWER: **discrete**

19. **The "common" type of this state is defined via an infinitary hierarchical definition in David Lewis's *Convention*. Gilbert Ryle distinguished between the "how" and "that" forms of this state. Alvin Goldman advanced a causal theory of this state in which a fact *p* may cause someone to believe that *p*. A paper contesting a noted definition of this concept imagines that (*)** Smith believes a man with ten coins in his pocket will get a job. Michel Foucault combines this term and power with a slash, and he described the disunity underlying discursive formations in a book on "The Archaeology of" it. Edmund Gettier contested a definition of this concept considered in Plato's *Theaetetus*, that of "justified true belief." For 10 points, name this subject matter of epistemology, the opposite of ignorance.
ANSWER: **knowledge**

20. A man from the Utigur branch of this people named Kubrat or Kurt was the founder of an "old great" confederation of them north of the Caucasus. Another member of this people, Asparukh, won the 688 CE Battle of Ongal over Constantine IV, thus becoming the founder of a state of this people that had a major cultural center at Preslav. The "golden age" of that state of this people occurred after Byzantine general Leo Phocas was defeated at the Battle of (*) Achelous by an emperor of this people named Simeon I. A leader of this people named Samuel was defeated at the Battle of Kleidion, whose victor was given an epithet signifying his conquest of this people. For 10 points, name this ethnic group whose members Byzantine emperor Basil II was known as the "slayer" of.
ANSWER: **Bulgar**s [accept **Bulgarian**s]

TB. **In talking about a member of this family, Jack Germond said he would invent a typewriter key that would fill in the words "That man later explained…" That member served as Richard Nixon's first Secretary of Housing and Urban Development and said he had "the greatest brainwashing that anybody can get" about the Vietnam War. Another member of this family drove twelve hours with his** dog on Seamus on top of his car in 1983 and said he "loved Big Bird" when talking about PBS in a debate. The Governor of Michigan during the Detroit riot of 1968 was from this family. This was the family of the Governor of Massachusetts who pushed through near-universal health insurance in 2006. For 10 points, name this family of recent Republican nominee Mitt.
ANSWER: **Romney**

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Packet 13: Bonuses

1. In one performance, this character's death scene was marred by various extras also killing themselves after misinterpreting the line "exit with the principals." For 10 points each:
[10] Name this woman who loves the painter Mario Cavaradossi, but is pursued by the Chief of Police, Baron Scarpia. She kills Scarpia, but throws herself to her death after Cavaradossi's execution.
ANSWER: **Floria** **Tosca** [accept either part]
[10] Tosca is the title character in an opera by this Italian composer, who also created *La boheme* and *Turandot*.
ANSWER: Giacomo **Puccini**
[10] This aria ends the second act of *Tosca*. The title character laments her fate and asks repeatedly "why, why, Lord, why do you reward me thus?"
ANSWER: "**Vissi d'arte**" [or "**I lived for art**, I lived for love"]

2. The fourth canto of this poem coined the name for Venice's Bridge of Sighs, while its first two cantos were dedicated to "Ianthe", an alias for the young Lady Charlotte Harley. For 10 points each:
[10] Name this long narrative poem in Spenserian stanzas about a dissolute youth from "Albion's isle" who wanders around Europe.
ANSWER: *Childe Harold's Pilgrimage*
[10] The speaker of this poem by the same author notes that "the might of the Gentile" has "melted like snow in the glance of the Lord". It opens by describing a man who "came down like a wolf on the fold".
ANSWER: "The **Destruction of Sennacherib**"
[10] *Childe Harold's Pilgrimage* and "The Destruction of Sennacherib" were written by this Romantic poet of "She Walks in Beauty". He died while fighting in the Greek War of Independence.
ANSWER: George **Gordon**, Lord **Byron** [accept either underlined portion; or George Gordon **Byron**, 6th Baron Byron; or George Gordon Noel, 6th Baron **Byron**]

3. It's the adventures of James G. Blaine, the continental liar from the state of Maine. For 10 points each:
[10] While Secretary of State, Blaine was walking with this President when the latter was shot and killed in 1881 by deranged office seeker Charles Guiteau.
ANSWER: James Abram **Garfield**
[10] Blaine won the 1884 nomination for the presidency from the Republican Party. This former Union General was proposed as a candidate, but announced "I will not accept if nominated and will not serve if elected." His brother was a Senator from Ohio.
ANSWER: William Tecumseh **Sherman**
[10] Blaine's 1884 candidacy was hampered by Samuel Burchard giving an offensive speech against the Democrats prior to the election. Name the three-word, alliterative phrase used by Burchard in that speech.
ANSWER: "**Rum, Romanism,** and **Rebellion**" [need all three words starting with "R"]

4. For 10 points each, answer the following about chemists surnamed Fischer.
[10] Emil Fischer developed namesake two-dimensional "projections" that can be used to depict these carbohydrates, such as sucrose and glucose.
ANSWER: **sugar**s [or mono**saccharide**s]
[10] Franz Fischer discovered a process of synthesizing hydrocarbons from carbon monoxide and hydrogen with this German chemist.
ANSWER: Hans **Tropsch** [accept **Fischer-Tropsch** process]
[10] Otto Fischer, working independently of Robert Woodward and Geoffrey Wilkinson, published a paper on the structure of this compound that contains two cyclopentadienyl rings bound to a central atom.
ANSWER: **ferrocene**

5. A dismal bonus for a dismal science -- answer the following about eponymous laws of economics, for 10 points each.
[10] A law named for Thomas Gresham states that the bad variety of this concept tends to drive out the good variety. Different parts of an economy's supply of this thing are classified as M1, M2, M3, et cetera.
ANSWER: **money**
[10] According to the law named for this French economist, values of excess market demands or supplies must sum to zero. He developed the marginal theory of value independently of Carl Menger and William Stanley Jevons.
ANSWER: Léon **Walras** [or Marie-Esprit-Léon **Walras**]
[10] This Minnesota-born developer of a namesake T-square distribution lends his name to a law, also known as the "principle of minimum differentiation", that states that it is rational for producers to make their products as similar as possible.
ANSWER: Harold **Hotelling**

6. This woman and her son were taken in by the fisherman Dictys after their arrival on the island of Seriphos. For 10 points each:
[10] Name this daughter of Acrisius who was impregnated by Zeus in the form of a shower of gold.
ANSWER: **Danaë**
[10] Danaë's son Perseus secured his mother's right not to marry King Polydectes by bringing the king the head of this only mortal Gorgon.
ANSWER: **Medusa**
[10] Perseus's later wife Andromeda was the daughter of Cepheus and Cassiopeia, the king and queen of this place. In the *Iliad*, Memnon brought an army from this place, of which he was the king, to Troy's defense.
ANSWER: **Ethiopia** [or **Aethiopia**]

7. This event was perhaps caused by the recklessness of Thomas FitzStephen. For 10 points each:
[10] Name this 1120 event that killed William Adelin, the only heir of Henry I of England.
ANSWER: The ***White Ship*** disaster [or la ***Blanche-Nef*** disaster]
[10] Henry I was the fourth son of this Norman victor at the Battle of Hastings.
ANSWER: **William the Conqueror** [or **William I**; or **William the Bastard**]
[10] Due to the *White Ship* disaster, this ruler ended up succeeding Henry I. This man, who hailed from Blois, feuded with his cousin, the Empress Matilda, during the time known as the "Anarchy."
ANSWER: **Stephen**

8. Identify the following about American literary naturalism, for 10 points each.
[10] The classic "man vs. nature" conflict is decisively won by nature in this author's short story "To Build a Fire". He used dogs as the protagonists of his novels *White Fang* and *The Call of the Wild*.
ANSWER: Jack **London** [or John Griffith **London**; or John Griffith **Chaney**]
[10] Man chalks up a narrow victory in this Stephen Crane story, narrated by an unnamed "correspondent" based on Crane himself. At its end, Billie the oiler dies as the four main characters swim towards shore.
ANSWER: "The **Open Boat**"
[10] James T. Farrell's most enduring work was his trilogy of novels about the short life of this this Irish-American man in Chicago. He often clashes with Weary Reilly before dying of pneumonia in the third novel, *Judgement Day*.
ANSWER: **William** "**Studs**" **Lonigan** [accept any underlined portion]

9. This concept implies two responses due to changes in mass at the Earth's surface: subsidence and rebound. For 10 points each:
[10] Identify this concept which implies that the Earth's crust "floats" on the mantle and that "light regions" float higher than "dense regions".
ANSWER: **isostasy** [or word forms]
[10] The three primary models of isostasy, Airy-Heiskanen, Pratt-Hayford, and Vening Meinesz, can be tested for applicability by measuring the depth of this "discontinuity" between the Earth's crust and mantle.
ANSWER: **Moho**rovičić (moe-hoe-roe-veach-each) discontinuity

[10] The surface inside the Earth where the vertical stresses due to the overlying rock are equal is called the "depth of" this word. This word also describes the depth at which the rates of accumulation and solvation of calcium carbonate are equal.
ANSWER: **compensation**

10. Daniele da Volterra gained the nickname "Il Braghettone", or "the breeches-maker", after being hired to cover up the genitals of Christ and the Virgin in this man's painting *The Last Judgement*. For 10 points each:
[10] Name this artist whose only surviving panel painting is the *Doni Tondo*. Pope Julius II commissioned him to paint the ceiling of the Sistine Chapel, for which he created his famous *Creation of Adam*.
ANSWER: **Michelangelo** [or Michelangelo di Lodovico **Buonarroti** Simoni]
[10] Michelangelo's *Doni Tondo* can now be found in this museum in Florence, which also contains Parmigianino's *Madonna with the Long Neck* and Titian's *Venus of Urbino*.
ANSWER: the **Uffizi** Gallery [or Galleria degli **Uffizi**]
[10] Michelangelo was the most famous pupil of this painter of a fresco cycle in the Tornabuoni Chapel, who preceded him in painting frescos for the Sistine Chapel. His father was a famed maker of garland-like headwear.
ANSWER: Domenico **Ghirlandaio** [prompting isn't necessary, but don't accept any other Ghirlandaios; accept Domenico di Tommaso di Currado di Doffo **Bigordi**]

11. This relation can be stated as half of the fluid velocity squared plus enthalpy equals a constant. For 10 points each:
[10] Name this relation that is a statement of the conservation of energy for an inviscid, steady flow.
ANSWER: **Bernoulli**'s equation [or **Bernoulli**'s principle]
[10] The tangent to these lines at any point gives the direction of the velocity at that point. Bernoulli's equation is defined along them.
ANSWER: **streamline**s
[10] A flow is described as steady if the partial derivative with respect to this variable of the flow field is zero. The fluid velocity is defined as the derivative of position with respect to this variable.
ANSWER: **time** [or **t**]

12. Answer the following about television shows that have served as the "lead-out" program for the Super Bowl, i.e. airing right after the game, for 10 points each.
[10] This show was the very first program to air after a Super Bowl. It actually aired *three* times after a Super Bowl and featured the adventures of an adorable Collie dog who lets adults know that Timmy has fallen down a well.
ANSWER: *Lassie*
[10] This TV sitcom aired a 1996 episode after the Super Bowl called "The One After the Super Bowl," in which one of the characters looks for his former monkey, Marcel.
ANSWER: *Friends*
[10] This show premiered in 1988 after the Super Bowl. Its opening credits aired behind a Joe Cocker version of "With a Little Help from My Friends" and it was narrated by Daniel Stern.
ANSWER: The *Wonder Years*

13. You have a new neighbor. Answer the following about him for 10 points each.
[10] When he goes walking, he sweeps the ground ahead of him to avoid killing insects. This is because he believes in what principle of complete nonviolence that is central to a certain religion?
ANSWER: **ahimsa**
[10] Ahimsa is the cornerstone of what Indian religion that reveres Mahavira as the most recent tirthankara?
ANSWER: **Jain**ism
[10] Your neighbor doesn't like engaging in arguments with you because he believes in this Jain principle that supports multiple viewpoints and asserts no single point of view is the complete truth. The parable of blind men looking at an elephant illustrates this.
ANSWER: **Anekantavada**

14. Answer the following about historical figures showing up in the novels of Thomas Keneally, for 10 points each.
[10] Meetings with Poldek Pfefferberg inspired Keneally to write his most famous novel, in which this German entrepreneur saves hundreds of Jewish refugees from the Nazis.
ANSWER: Oskar **Schindler** [accept *Schindler's Ark* or *Schindler's List*]
[10] Keneally wrote a children's book about this man "and the City of Bees". Fellow Australian Peter Carey wrote a novel about the "True History" of this popular outlaw's "Gang".
ANSWER: Ned **Kelly** [or Edward **Kelly**; accept *Ned Kelly and the City of Bees* or *True History of the Kelly Gang*]
[10] Many historical figures appear in this 1979 Keneally novel, in which Usaph Bumpass and his wife's lover Decatur Cate join the Shenandoah Volunteers and fight at the battle of Antietam.
ANSWER: *Confederates*

15. Tristram Speedy was appointed the guardian of a youth from this country. For 10 points each:
[10] Name this modern day country that was the site of a 1868 expedition led by Sir Robert Napier to rescue British hostages. That crisis ended with the suicide of the defiant ruler who had taken the captives.
ANSWER: **Ethiopia** [or **Abyssinia**, even though that's not a modern day country]
[10] After completing his mission. Napier sailed back to England via this artificial waterway in Egypt that connects the Red Sea to the Mediterranean.
ANSWER: **Suez Canal**
[10] Napier took the imperial Ethiopian crown, which was eventually returned to this ruler, the Emperor of Ethiopia from 1930 to 1974. He temporarily lost his country to the invading Italians in the 1930's.
ANSWER: **Haile Selassie** [or Tafari **Makonnen** Woldemikael]

16. Here's a controversial opinion: fascism is bad! Identify these Italian authors who agreed, for 10 points each:
[10] This author of *Gli Indifferenti* was angered when fascists seized his novel *La Mascherata*. Marcello is dismayed when Quadri and Lina are killed by the fascist agent Orlando in his anti-fascist novel *The Conformist*.
ANSWER: Alberto **Moravia**
[10] The exile of an author with this surname for his anti-fascist activities was detailed in the memoir *Christ Stopped at Eboli*. Another author with this surname spent a year in Auschwitz after being arrested by fascists, which was the subject of *his* memoir *Survival in Auschwitz*.
ANSWER: **Levi** [accept Carlo **Levi** or Primo (Michele) **Levi**]
[10] This author was originally patronized by Mussolini, but declared his "apolitical" beliefs and tore up his Fascist Party membership card in 1927. His proto-Absurdist plays include *Enrico IV* and *Six Characters in Search of an Author*.
ANSWER: Luigi **Pirandello**

17. A problem in distinguishing this category from a similar one was raised by William Molyneux in a letter to its formulator. For 10 points each:
[10] Identify this category proposed in a 1689 work, which refers to the properties of an object that have "powers to produce various sensations in us" like color, taste, and sound, through the "the operation of insensible particles on our senses".
ANSWER: **secondary qualities** [accept word forms]
[10] The distinction between primary and secondary qualities was drawn by this British empiricist in his book *An Essay Concerning Human Understanding*. He proposed that at birth, the mind was a blank slate, or *tabula rasa*.
ANSWER: John **Locke**
[10] The first volume of this Locke work is a thorough attack on Robert Filmer's *Patriarcha*. Its second volume suggests that civil society was formed for the protection of property and outlines his theory of the social contract.
ANSWER: The *Two Treatises on Government* [or The *Two Treatises of Government*]

18. Amacrine and bipolar cells in this structure send information to ganglion cells that make up much of the optic nerve. For 10 points each:
[10] Name this layer of tissue on the inner surface of the eye that has photosensitive cells like rods and cones. Its center contains a small pit called the fovea.
ANSWER: **retina**
[10] This light-sensitive receptor protein, also called visual purple, is found in retinal photoreceptor cells and is often used in low-light conditions. It consists of a protein moiety covalently bonded to the cofactor retinal.
ANSWER: **rhodopsin**
[10] Other retinylidene proteins, like halorhodopsin and channelrhodopsin, are used in this neuromodulation technique which allows researchers to activate or inhibit excitable cells using light.
ANSWER: **optogenetics**

19. This program's most expensive project was an attempt to create the "Buran." For 10 points each:
[10] Identify this broad program which enjoyed great success with the Vostok missions in the early 1960s and was formally ended in 1991. We are looking for the program, not any specific agency.
ANSWER: **Soviet space** program [accept obvious description, do not accept "Russian space program"]
[10] The Soviet space program's first major coup was the launching of this first artificial satellite in 1957. Give its Russian name.
ANSWER: ***Sputnik**-1* [prompt on **Satellite**-1]
[10] In 1967, this Soviet spaceflight crashed, killing Vladimir Komarov, who became the first in-flight fatality in the history of space exploration.
ANSWER: **Soyuz 1** [or **Union 1**; prompt on partial answer]

20. Dallapiccola wrote a "Sonata Canonica" on these works, and the first of Liszt's "Grandes Études" based mostly on these works begins with ascending G minor arpeggi and descending G harmonic minor scales. For 10 points each:
[10] Name this set of works, the last of which was the basis for two books by Brahms of fourteen variations each and a piano duo by Lutoslawski. The thirteenth, nicknamed "The Devil's Laughter," is full of slurred double-stops.
ANSWER: Niccolò **Paganini**'s *24 **Caprices** for Solo Violin*
[10] Perhaps the most famous work based on Paganini's twenty-fourth caprice is this Russian composer's *Rhapsody on a Theme of Paganini*. As a virtuoso pianist with huge hands, he also wrote *Prelude in C-sharp minor*.
ANSWER: Sergei Vasilievich **Rachmaninoff**
[10] Rachmaninoff also wrote a set of variations on a C minor prelude by this earlier composer-pianist, whose *Piano Sonata No. 2* includes a third movement funeral march. His études include the *Black Key* and *Aeolian Harp*.
ANSWER: Frédéric **Chopin**

Extra. The speaker of a poem by this man claims to have "bathed in the Euphrates when dawns were young", noting that "my soul has grown deep like the rivers". For 10 points each:
[10] Name this poet of "The Negro Speaks of Rivers", a pioneer of the Harlem Renaissance who asked "What happens to a dream deferred?" at the beginning of his poem "Harlem".
ANSWER: Langston **Hughes** [or James Mercer Langston **Hughes**]
[10] Hughes described a singer who "slept like a rock or a man that's dead" after "droning a drowsy syncopated tune" in bar "down on Lenox Avenue" a in this poem.
ANSWER: "The **Weary Blues**"
[10] The speaker invites people to "call me any ugly name you choose" because "the steel of freedom does not stain" in this Hughes poem, which laments "there's never been equality for me, nor freedom in this "homeland of the free"."
ANSWER: "**Let America Be America Again**"