

## LIMIT 2015: A Limit to Learning is a Dangerous Thing

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### Packet 9

#### Tossups

1) **The baptistry of the Siena Cathedral contains this artist's relief sculpture of the *Feast of Herod*, while the Florence Baptistry once held his wooden sculpture of the *Penitent Magdalene*. This artist used a contrapposto pose for his rendering of St. Mark set in Florence's (\*) Orsanmichele. This man sculpted a seated St. John the Evangelist, and his secular works include an equestrian statue of Erasmo da Narni, better known as *Gattamelata*. The title figure rests his left hand on his hip and holds a sword with his right in a notable work by this man, the first freestanding nude since antiquity. For 10 points, name this Renaissance artist of a bronze *David*.**

ANSWER: **Donatello** or Donato di Niccolò di Betto **Bardi** <JG>

2) **In this book, a short tax collector named Zacchaeus climbs a sycamore to get a good view, but is told to come down. It is dedicated to Theophilus, and opens with a genealogy extending to Adam. This book contains a parable in which one character wastes his fortune, but is forgiven by his father upon his return, and another in which a priest and a Levite pass a man on a road, before that man is (\*) rescued by a Samaritan. This gospel shares its authorship with Acts of the Apostles, and is the longest synoptic gospel. For 10 points, name this gospel which comes after Mark and before John.**

ANSWER: The Gospel According to **Luke** or Gospel of **Luke** <CC>

3) **One site in this modern-day country had streets and sewers lined with baked adobe bricks of uniform proportions of 4:2:1. The Pashupati or Shiva seals were recovered at one site in this country. The battle of the Hydaspes was fought in what is now this country near Taxila, and saw King Porus defeated. One site in this country also had statues of the colorful Priest King and the (\*) "dancing girl". This nation houses the remains of Harappa and Mohenjo-Daro. The Aryans invaded what is now this country right before invading India. For 10 points, name this country that the Indus River flows through at Karachi and Lahore.**

ANSWER: **Pakistan**

4) **A collection by this author is named after a story in which the title vehicle allows a boy to meet Dante. In the author's first novel, the protagonist travels to Italy with Caroline Abbott and marries Gino. This author of *The Celestial Omnibus*, who wrote about Lilia Herriton in *Where* (\*) *Angels Fear to Tread*, also wrote a novel in which Henry discovers that another character's wife Jacky is his former mistress. That character, Leonard Bast, is killed by a falling bookcase. In another of his novels, Dr. Aziz is accused of sexually assaulting Adela in the Marabar Caves. For 10 points, name this British author of *Howards End* and *A Passage to India*.**

ANSWER: (Edward Morgan) E.M. **Forster** <CC>

5) **This artist's interest in Hiroshige can be seen in the many Japanese prints he included in the background of his *Portrait of Pere Tanguy*. A portrait of two people is next to a clock reading seven o'clock, and a small oil lamp is the only light for a family eating food in one of his paintings. A man in white stands next to a (\*) pool table in another painting by this artist of *The Potato Eaters*. One of this man's paintings depicts a swirling sky dotted with the title objects and was painted from an asylum. For 10 points, name this Dutch artist of *The Night Cafe* and *Starry Night* who depicted himself with a bandaged ear in a few self-portraits.**

ANSWER: Vincent **Van Gogh** <JG>

6) In one play by this man, a character discovers the cause of the buzzing made by a gnat, and uses a flea's foot as a measurement tool. This man wrote a play in which Kinesias and Myrrhine agree to a treaty using the naked body of a handmaiden named Peace. In another of his plays, the protagonist switches clothes with his servant (\*) Xanthias, who is blamed for the theft of Cerberus. In that play by him, the chorus speaks the line "Bre-ke-ke-kex-koax-koax," representing the title characters, while in another play, Phei-dippides is forced to attend The Thinkery. For 10 points, name this Greek comic playwright of *The Clouds*, *Lysistrata*, and *The Frogs*.

ANSWER: Aristophanes <CC>

7) Operation Triton and Mare Nostrum were designed to support these people. Many of these people live in bidonvilles, or banlieues, in France, where some are called "sans papiers". The "Dublin system" is part of the CEAS to accommodate these people, while the 'Fortress Europe' idea is designed to keep them out. Both (\*) externally and internally displaced people are in this category. Both asylum seekers and refugees fall into this group of people, who often have economic motivations. For 10 points, name these people who move to another country.

ANSWER: immigrants or refugees or asylum seekers before mentioned

8) This deity was impregnated by a head of lettuce. During an invasion, this deity's sacred geese honked loud enough to wake up sleeping soldiers, giving this deity the epithet "Moneta" or "The Warner". Besides Venus, Vulcan also captured this deity in a (\*) golden throne, but Bacchus then made Vulcan drunk, and forced him to release this deity. This goddess bribed Aeolus to blow several Trojan ships off course, which led to the destruction of her patron city, Carthage. A cloud-like version of this goddess named Nephele was the object of Ixion's affections. For 10 points name this wife of Jupiter, who is often called "cow-eyed".

ANSWER: Juno or Hera <KD>

9) *Note to all: both race and general area required.*

A story by one of these people, who also published *Red Rock*, sees a soldier named Channing die with his fiancée's letter on his heart. These people opposed a party that "waved the bloody shirt". Three Enforcement Acts failed to limit violence by these people. "Stay laws" were made by some of them called (\*) Redeemers. The loser's motto of their "Stolen Election" was "Tilden and Reform". They supported convict leasing and took an "ironclad oath" by the Wade-Davis Manifesto. The 10% Plan and Amnesty Act made some citizens during Reconstruction. For 10 points, name these people who organized the White League and KKK.

ANSWER: Southern whites; accept word forms

10) Calcein is one of these compounds used in a step of flow cytometry. Propidium iodide tests cell survival by binding dsDNA, and is called a "vital" one of these. The Ponceau S type of these molecules is used on nitrocellulose or PVDF membranes. Metachromatic tissues have negatively charged groups that react with these often positively charged, (\*) aromatic compounds. Nissl, Golgi, and Gram name processes using these compounds, which include Coomassie blue and cresyl violet. For 10 points, name these compounds used to color cells and tissues, which also can tint fabrics.

ANSWER: stains or dyes; do not accept pigments

11) The diffusive type of this situation relates systems' chemical potentials. This condition is local or global depending on the values of intensive variables throughout a system. A system that is described by a canonical ensemble, where particle number, temperature, and volume are constant, satisfies one form of this condition relative to a heat bath. A form of this condition is transitive (\*) according to the zeroth law of thermodynamics. When two bodies have the same temperature and heat flow is allowed between them, they are in the thermal form of this condition. For 10 points, name this property of a system that does not change.

ANSWER: equilibrium; accept any answer with equilibrium in it <HW>

12) One phrase from this movement translates as “liberal studies”. This movement criticized an earlier movement, which began “town and gown” rivalries, by coining the term scholasticism. *The Education of Children* was written by one man in this movement, as was *In Praise of Folly*. One man in a religious version of this movement coined the term “Dark Ages”, and one of its members wrote the (\*) individualistic *On the Dignity of Man*. Desiderius Erasmus and the writer of *The Prince* belonged to this Renaissance movement. For 10 points, name this philosophical and ethical movement opposed to “divine letters” and centered on man.

ANSWER: humanism; accept word forms

13) In this play, a garden is never built because the sunlight is always obstructed by the tall apartment buildings to the side. One of the main characters of this play is found blubbing in a bathroom stall by the waiter Stanley after recalling his affair with the (\*) Woman being discovered in a Boston hotel. The main character of this play hallucinates the voice of the brother with whom he refused to travel to Alaska. Biff's attempts to admit his failure to get a loan are constantly ruined by Happy's attempts to cover it up in, for 10 points, what play by Arthur Miller about the Loman family?

ANSWER: Death of a Salesman <RL>

14) The global workspace model of this phenomenon notes “workspace” cells that unify this phenomenon. The readiness potential is a half-second delay in this state. The ascending reticular activating system may be the site of the neural correlate (\*) of this phenomenon for sensitivity and alertness. Edward Titchener founded structuralism to divide this phenomenon into subjective components via introspection. Explicit memories are part of this state, whereas implicit ones aren't. William James described an unstoppable “stream of” this concept. For 10 points, name this state of being self-aware.

ANSWER: consciousness

15) While in college, this athlete took over the starting quarterback job after an injury to future baseball star Todd Helton. He gets angry and throws footballs at children in a mock PSA for *Saturday Night Live*. He won his sole championship in Super Bowl XLI after leading his team to a 38-34 comeback victory in the AFC Championship Game against the (\*) New England Patriots. This player was chosen first overall ahead of Ryan Leaf in the 1998 NFL Draft. He signed with his current team after he missed the 2011 season due to neck surgery and was released by the Indianapolis Colts. For 10 points, name this quarterback for the Denver Broncos.

ANSWER: Peyton Manning; prompt on “Manning”

16) In one of this composer's works, the title character defeats the sorceress Armida to rescue his love, Almirena. That opera, which is set during the First Crusade, was loosely based off Torquato Tasso's epic “Jerusalem Delivered” and is called *Rinaldo*. This man wrote an anthem in which the chorus sings that the title character and “Nathan the Prophet anointed (\*) Solomon King.” This composer of *Zadok the Priest* included the section “For unto us a child is born” in another work which also includes a fugue on the words “and he shall reign for ever - and ever.” For 10 points, name this composer whose *Messiah* includes the “Hallelujah” Chorus.

ANSWER: George Frideric Handel <DS>

17) Vapor diffusion forms these substances from a drop of reactant. Chemical gardens make these with water glass. One procedure “re”making these substances uses a hot solvent that is mixed, filtered, and cooled. A namesake field splitting occurs in a theory about metal-ligand bonds in these materials. They are also described by the ligand field theory. These substances have (\*) 7 systems with essential symmetries. They often have orthorhombic, triclinic, or octahedral shapes. Some unit cells of these structures are named for cesium chloride and diamond. For 10 points, name these solids that are not amorphous, but ordered.

ANSWER: crystals; prompt on “solids” <HW>

18) **At the end of one play by this man, a character who asked if babies come from ears is arranged to be married to Horace, much to the horror of Arnolphe. In another play by this man, the title character defends his criticism and mockery of Oronte's sonnet in front of a tribunal before receiving an insulting letter from Celimene and leaving to become a hermit.** (\*) Elmire convinces her husband Orgon to hide under a table and observe the title character making advances on her in another play by this man. For 10 points, name this French author of *The School for Wives* and *The Misanthrope* who wrote about the title religious hypocrite in *Tartuffe*.  
ANSWER: Molière or Jean-Baptiste Poquelin <JG>

19) **This number is the only nonzero digit in the base-10 representation of Liouville's constant. This value is assigned to the Levi-Civita symbol of an even permutation. The Heaviside function of any positive number gives this number since it is the integral of the Dirac delta function. The zeta function evaluated at this number returns the** (\*) harmonic series. Euclid's postulate of this number states that in a plane, a unique line connects two given points. This number, the sum from  $n$  equals zero to infinity of one-half to the  $n$  power, is the only odd difference between two primes. For 10 points, name this nonprime and noncomposite first positive integer.  
ANSWER: 1 or one <HW>

20) **This republic's constitution barred gender discrimination, allowing a woman who campaigned for "free marriage" to practice law. Many of its leaders were called "November Criminals". This republic's first President supported Burg-frie-dens-politik. Through the Treaty of Rapallo, this republic** (\*) secretly built up its army and cooperated with the USSR. This republic had a "state within a state" in its Reichswehr. It had to pay 50 billion gold marks by the Treaty of Versailles. This republic's hyperinflation helped the Nazi Party gain power. For 10 points, name this shaky democratic republic between the Second and Third Reich.  
ANSWER: Weimar Republic; prompt on "**Deutsches Reich**" or "**Germany**" <AS>

### Bonuses

1) They were divided into Madagascars and Cottawoods, and were eventually led by Cudjoe. For 10 points each:

[10] Name this group of free ex-slaves on Jamaica, who were called Koromantis because they were from Akan.

ANSWER: maroons

[10] On Jamaica, slaves primarily made this good at “cattle mills”, which created waste called *bagasse*. It was traded for rum in the Middle Passage and was extracted from namesake “cane” in boiling houses.

ANSWER: sugar

[10] The Middle Passage and Triangular Trade took place on ports like Nantes, Liverpool, and Goree on this ocean. It named two trade “systems” dominated by European nations.

ANSWER: Atlantic Ocean

2) The subject of this poem is described as being “swallowed up” by the “abyss of heaven.” For 10 points each:

[10] Name this romantic poem that describes a figure “from zone to zone / Guides through the boundless sky.” The speaker of this poem predicts that its subject will “Soon shalt thou find a summer home, and rest.”

ANSWER: “To a Waterfowl”

[10] This American poet wrote “To a Waterfowl” after taking a walk and viewing a single bird on the horizon. He also wrote a famous “meditation on death” entitled “Thanatopsis”.

ANSWER: William Cullen Bryant

[10] In addition to his work as a poet, Bryant served as the editor of this newspaper founded by Alexander Hamilton for 50 years, championing liberal causes such as abolitionism and the labor movement.

ANSWER: The New York Evening Post <JG>

3) For 10 points each, answer some questions about famous Broadway musicals:

[10] In this Broadway musical, one man sings, “Empty chairs at empty tables”, and another vows that he is “the Law and the Law is not mocked” before throwing himself into the Seine River.

ANSWER: Les Misérables

[10] In this musical, the song “You’re Never Fully Dressed Without a Smile” is heard on the radio, and the title character asserts, “you can bet your bottom dollar the sun’ll come up tomorrow”.

ANSWER: Annie

[10] This musical describes how “the heat is on” in the title city, and in the finale Kim sings “This is the hour, I swore I’d see” before committing suicide, so that her Vietnamese son could be taken to America by Chris.

ANSWER: Miss Saigon <KD>

4) According to Senator Lindsey Graham, the world is blowing up. He’s not wrong. For 10 points each:

[10] As of June 2015, the SOHR estimates that 320,000 have died in this country’s civil war between President Bashar al-Assad and rebel forces.

ANSWER: Syria or Syrian Arab Republic

[10] Much of the fighting in the Syrian Civil War has occurred in this city, Syria’s largest by population. In July 2015, an offensive launched by Ansar al-Sharia and the Free Syrian Army targeted this city.

ANSWER: Aleppo

[10] According to a UN report, this statistic dropped 30% in Syria since the outbreak of the civil war. In 1994, this measurement in Rwanda was about 26 years.

ANSWER: life expectancy

5) This god hit Hanuman in the jaw for trying to eat the Sun, and, earlier, he defeated the dragon Vritra. For 10 points each:

[10] Name this Vedic storm god, who wielded a thunderbolt called the Vajra, and was Arjuna's father.

ANSWER: **Indra**

[10] Indra's mount is a flying, white version of this animal named Airavatha. It is thought that this animal guards one of the points of the compass, and Ganesha has the head of this animal.

ANSWER: **elephant**

[10] Indra ruled over this Hindu heaven, which has a capital at Amaravati. It is guarded by Airavatha, the white elephant.

ANSWER: **Svarga** <KD>

6) An example of this type of musical piece in A-flat major boasts a middle section that evokes a cavalry charge. For 10 points each:

[10] Name this type of dance in  $\frac{3}{4}$  time. Examples of this type of piece include ones named "Military" and "Heroic."

ANSWER: **polonaise**

[10] The "Military" and "Heroic" polonaises are both works by this Polish composer of the "Minute Waltz" and several etudes who mostly lived in France.

ANSWER: Frédéric (François) **Chopin** or Fryderyk Franciszek **Chopin**

[10] Chopin's Piano Sonata No. 2 is often given this name, taken from its slow, mournful third movement in B-flat Minor.

ANSWER: **Funeral March** <JG>

7) This phenomenon's namesake interaction is always attractive and varies as *one-over-r-to-the-sixth power*, but it is not birefringence. For 10 points each:

[10] Name this phenomenon that occurs because the index of refraction is linearly proportional to the frequency of light in ordinary materials. Prisms can do this phenomenon to normal light, and it's not refraction or reflection.

ANSWER: **dispersion**

[10] While light is dispersed by a surface with a different index of refraction, some photons will undergo this phenomenon with specular and diffuse types. Its specular form is modelled by Snell's law.

ANSWER: **reflection**

[10] Photons of light and all electromagnetic waves hitting a surface exhibit this phenomenon, which laser tweezers and the solar wind can also exert as a force.

ANSWER: **radiation pressure**

8) This leader took power after a "Winter of Discontent" in which Britain was supposed to be ungovernable. For 10 points each:

[10] Name this Prime Minister who won the Falklands War.

ANSWER: Margaret **Thatcher**

[10] Thatcher condemned her predecessor Anthony Eden for his defeatism after his role in the Suez crisis, which took place in this country. Eden's objective was to oust this nation's leader Gamal Abdul Nasser.

ANSWER: Arab Republic of **Egypt**

[10] One of Thatcher's foreign policies saw the transfer of this island and the associated New Territories, which Britain had a lease on, to one nation that would otherwise 'turn off the water supply' to it.

ANSWER: **Hong Kong**

9) To prove this statement, note that choosing a subset from a set is the same as choosing a smallest member for your subset, then choosing a next-smallest member, and so on. For 10 points each:

[10] Name this theorem that states that  $n$  plus one choose  $k$  plus one is the sum from  $i$  equals  $k$  to  $n$  of  $i$  choose  $k$ , and is named for a certain sporting apparatus.

ANSWER: hockey stick identity or christmas stocking theorem; accept “theorem” for “identity” and vice versa

[10] The hockey stick identity is named for its shape when visualizing entries on this shape. The sum of the entries in the  $n$ th row of this structure is equal to *two to the  $n$* .

ANSWER: Pascal’s triangle

[10] The binomial coefficients in Pascal’s triangle number these arrangements, where, unlike permutations, order doesn’t matter.

ANSWER: combinations <HW>

10) The title character of this novel abandons the beautiful Kumala in order to live next to a river with the ferryman Vasudeva. For 10 points each:

[10] Name this novel about a man who declines to join his friend Govinda in following the Buddha in order to embark on his own personal journey of enlightenment.

ANSWER: Siddhartha

[10] *Siddhartha* is a novel by this Swiss-German author who wrote *The Glass Bead Game*. Harry Haller interacts with the bourgeois Hermine and the mystical saxophone player Pablo in his novel *Steppenwolf*.

ANSWER: Hermann Hesse

[10] Hesse wrote this novel set in Medieval Germany studying the contrast between the Apollonian and Dionysian. It follows an abbot as well as an artist and sculptor, who leaves a monastery after sleeping with a gypsy.

ANSWER: Narcissus and Goldmund or Narziss und Goldmund; accept Death and the Lover

11) This composer incorporated several “Knee Plays” in his opera *Einstein on the Beach*. For 10 points each:

[10] Name this American composer who included that work along with *Satyagraha* and *Akhmaten* in his *Portrait Trilogy* of operas.

ANSWER: Philip Glass

[10] Philip Glass is one of the creators of this musical school, which emphasizes music that is non-narrative and often includes repetitions. Other composers of this school include Terry Riley and Steve Reich.

ANSWER: minimalism or minimal music

[10] In addition to operas and other standard musical compositions, Philip Glass is a frequent composer of film scores, including this film starring Jim Carrey as the title subject of a 24-hour reality show centered on his life.

ANSWER: *The* Truman Show <JG>

12) Ladder diagrams show this quantity on their right side, while pH is shown on the left. For 10 points each:

[10] The Hammett acidity function can be expressed as a difference in this quantity for substituted and unsubstituted organic compounds. Name this quantity, the logarithm of the equilibrium constant, which measures acidity.

ANSWER: pKa; prompt on “pK”; **do not accept pKb**

[10] Water’s pKa is not always 7 because of this general process, which creates hydronium and hydroxide ions from neutral water.

ANSWER: autoionization or self-ionization or self-dissociation or autodissociation; accept word forms or descriptions

[10] This technique, which measures hydrogen chemical shifts in its  $^1\text{H}$  variant, can detect changes in pKa by finding the concentrations of protonated and deprotonated forms of a compound.

ANSWER: NMR or nuclear magnetic resonance

13) A man called the “Redeemer” who held the “Dawn Broadcast” declared African independence unlikely, “had it not been for Russia”. For 10 points each:

[10] That man was Kwa-me N-krum-ah, the first Prime Minister of *this nation*. He enlarged its Cocoa Development Board and conducted the Volta River Project in this country, which was once called “Gold Coast”.

ANSWER: **Ghana**

[10] This other nation was first led by the Kikuyu Jomo Kenyatta after the British suppressed the Mau Mau rebellion in it. Its capital is now at Nairobi.

ANSWER: **Kenya**

[10] The National Council of Nigeria and this country formed after its British and French parts were united. This country’s western grassfields bordering Nigeria in the Benue region were the source of the ancient Bantu migrations.

ANSWER: **Cameroon** or **Cameroun** or **Kamerun**

14) Identify some works of English medieval literature, for 10 points each:

[10] It is arguable that English literature began with this poem written in Old English, in which the title hero rescues King Hrothgar from the monster Grendel and his mother before being killed by a dragon.

ANSWER: **Beowulf**

[10] The lives of Do-Well, Do-Better and Do-Best are followed in this allegorical poem written by William Langland in the 14th century, consisting of several almost-hallucinogenic dream visions.

ANSWER: *William's Vision of* **Piers Plowman**

[10] Both the Pearl Poet and Thomas Malory wrote famous works regarding the adventures and companions of this mythical King of Britain, who wielded the sword Excalibur and headed the Knights of the Round Table.

ANSWER: King **Arthur** <JG>

15) One theory for the red, swirling sky in the background of this painting is that it represents the aftermath of the eruption of Krakatoa. For 10 points each:

[10] Name this painting in which a man stands on a bridge grasping his head and performing the title action with wide-open eyes.

ANSWER: *The* **Scream**

[10] The Scream is a painting by this Norwegian artist. This man’s *Madonna* features a red halo.

ANSWER: Edvard **Munch**

[10] Munch portrayed himself praying over the body of his sister Sophie in *Death in the Sickroom*, a painting in this series subtitled “A Poem about Life, Love and Death.” Other works in this series include *Vampire* and *Puberty*.

ANSWER: **Frieze of Life** - *A Poem About Life, Love and Death* <JG>

16) Name some Biblical prophets for 10 points each:

[10] This prophet described Shadrach, Meshach, and Abednego being thrown into a furnace, and interpreted the “writing on the wall” at Belshazzar’s feast. He survived being thrown into a den of lions.

ANSWER: **Daniel**

[10] This prophet fled to Joppa instead of following God’s will to preach in Nineveh, after which he was swallowed by a giant fish.

ANSWER: **Jonah**

[10] This prophet described the apocalyptic destruction of Gog and Magog. He saw “wheels turning inside of wheels” on a flaming chariot in the sky before resurrecting thousands of people in the valley of dry bones.

ANSWER: **Ezekiel**



17) A namesake “triangle” of this substance includes parts of Indonesia, Malaysia, and the Philippines and houses many species on the IUCN Red List. For 10 points each:

[10] Name this substance formed by the calcification of polyps, which makes up reefs in the tropics.

ANSWER: **coral**

[10] This Coral Triangle archipelago owned by Papua New Guinea was studied by Bronislaw Malinowski in such books as *Argonauts of the Western Pacific*. Its residents perform the Kula exchange and use yams as currency.

ANSWER: **Trobriand** Islands

[10] This other Coral Triangle archipelago east of Papua New Guinea names a country with capital at Honiara on the island of Guadalcanal, where the U.S. has owned an air force base since capturing it in World War II.

ANSWER: **Solomon** Islands <CC>

18) This document was a paraphrase of the Declaration of Independence and was drafted at an event where Stanton “forged the thunderbolts and Miss Anthony hurled them.” For 10 points each:

[10] Name this document which declared all women equal to men, language too strong for most delegates of an 1848 New York meeting.

ANSWER: **Declaration of Sentiments**

[10] That meeting was this one, where Elizabeth Cady Stanton and Susan B. Anthony met along with a thousand other delegates to advocate for women’s suffrage.

ANSWER: **Seneca Falls** Convention

[10] Elizabeth Cady Stanton and a "Revising Committee" of 26 women wrote this 1898 two-part work that commented on all parts of a sacred religious text.

ANSWER: *The **Woman’s Bible***

19) In one work, this poet repeated the line “In you, everything sank” and he began a collection with “Tonight I can write the saddest lines.” For 10 points each:

[10] Name this author of *Twenty Love Poems and a Song of Despair* and the *Canto General*, which contains the poem “The Heights of Macchu Pichu.”

ANSWER: Pablo **Neruda** or Neftali Ricardo Reyes **Basoalto**

[10] Pablo Neruda is a poet from this country, which also produced such authors as Jose Donoso and the first Latin American to win the Nobel Prize, Gabriela Mistral

ANSWER: **Chile**

[10] Another Chilean author is this man, who wrote about the visceral realists in his novel *Savage Detectives* and about the search for the reclusive German author Benno von Archimboldi in his massive 2666.

ANSWER: Roberto **Bolaño** (Avalos) <JG>

20) These structures facilitate anterograde and retrograde transport in neurons. For 10 points each:

[10] Name these proteins, which are not intermediate filaments or microfilaments, that are made of tubulin dimers arranged in a hollow coil. They assist protein and organelle transport as well as cytoskeletal support.

ANSWER: **microtubules**

[10] Synaptic vesicles in neurons contain many of these kinds of compounds, which include catecholamines, cannabinoids, and amino acid derivatives. These compounds are a subset of neuromodulators.

ANSWER: **neurotransmitters**

[10] This is the process in which neurons clear the synapse of leftover neurotransmitters using several neurotransmitter-specific transporter proteins. SSRIs inhibit this process.

ANSWER: **reuptake**