

## Terminal Academic Deficiency Disorder Bowl

Washington University in St. Louis

October 28<sup>th</sup>, 2000

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### SET A

1. One of the first women to join Emerson's Transcendental Club, she helped Emerson learn about European literature while he taught her American Lit. In 1850, she, her husband, and her infant son died in a ship accident an hour outside of New York harbor. She held group sessions in Boston encouraging transcendental ideas in women, called "Conversations," and wrote the work *Summer Lakes*. FTP, identify this woman who, for two years, held the post of editor of *The Dial*.

Answer: Sarah Margaret Fuller

2. This model shows that a national economy will eventually tend towards a steady state in terms of per worker consumption, output, and capital, unless there is a growth in productivity. It also shows that there exists a Golden Rule capital stock, which in the steady state results in the greatest per worker consumption. The saving rate and growth in population and productivity are the fundamental determinants of long-run living standards. FTP, name this model of growth dynamics developed by a Nobel winner from MIT.

Answer: Solow model

3. The 18th century cultural revival was marked by the Spread of Nonconformity, and in 1914 the native church became separate from the Anglican. Once the world's leading exporter of coal, a sharp decline in the economy after WWI has led to a decline in native speakers here, especially in the industrial South; to counter this, the government instituted a native TV channel in 1982. FTP, name this quasi-nation that has been under the rule of neighbor England since the 13th century days of Owen Glendower.

Answer: Wales

4. Born of Anjana, he is worshipped for his strength, his valor, and his loyalty. He once swallowed the sun, thinking that it was a sweet. However, he is better known for stunts such as bringing an entire mountain to a battlefield when he couldn't find a particular herb on it. He lit all of Lanka afire with his tail when he went in search of Sita. FTP, name this Hindu god, the son of Vayu, the wind god, and the monkey devotee of Rama.

Answer: Hanuman

5. He informs the reader that he's writing his life story in Greek because he foresees that Latin will be a dead language. Also fluent in Etruscan, he uses this knowledge to interpret an omen of Augustus' death to the Senate. Through the changes of leadership during his life, he manages to stay alive, partly because of the impeccable character of his mother Antonia the Younger, and partly because he's considered too foolish to be dangerous. The novel ends when he is pulled from behind a curtain and declared the next emperor. FTP, name the title character of a historical novel by Robert Graves.

Answer: Claudius

6. There were actually two series of these treaties. The first one resulted Britain gaining the island of St. Kitts, France receiving the principality of Orange, and the Dutch republic annexing part of Gelderland. The other series gave Gibraltar and Minorca to Britain and ceded Sicily to Victor Amadeus II in return for his renouncing his claim on the Spanish throne. FTP name these treaties that brought the War of the Spanish Succession to an end.

Answer: Treaties/Peace of Utrecht

7. This kinetic theory equation introduces two proportionality constants that must be determined, one for each of the two corrections it makes. The first correction is proportional to moles per unit volume squared, and takes into account the reduction in pressure caused by the unbalanced intermolecular forces at the surface. The second is proportional to simply the number of moles, and corrects the volume for the finite size of the molecules. FTP, name this equation that modifies the ideal gas equation by adding corrections for non-ideal behavior.

Answer: van der Waals equation

8. The key event in the novel is the spectacular marriage of the younger son of a wealthy English gentleman to a wealthy Creole heiress. At first their marriage is idyllic, but rumors of her hereditary insanity reach her husband, and he becomes suspicious and remote, finally sleeping with one of their servants, which pushes Antoinette over the edge. Rochester takes her back to Thornfield Hall and hires Grace Poole to look after her, completing this prequel to *Jane Eyre*. FTP, name this 1966 book, the final novel of Jean Rhys.

Answer: The Wide Sargasso Sea

9. They get their information via two major pathways: the vertical pathway and the horizontal pathway, which goes through the horizontal and amacrine cells. They are the layer of retinal cells closest to the aqueous humor. They are the collectors of retinal information from the retina, usually one-to-one with cones and one-to-many for rods. The axons of these cells converge to form the optic nerve. FTP, name this kind of neuron, which take inputs from bipolar cells to the brain.

Answer: ganglion cells

10. It was not implemented due to Republican doubts to its constitutionality. Behind a protective tariff, manufacturing in the East would prosper, from which tax revenue would provide funds for roads and canals. Through these arteries would flow raw materials from the South and West, while in the reverse direction would flow manufactured goods made in the East. FTP, name this elaborate scheme proposed by Henry Clay in 1824 to create a profitable home market.

ANSWER: American System

11. He seems to have had problems making good judgments. When he judged Apollo's music to be inferior to either Marsyas or Pan's, depending on the storyteller, the angry god gave him donkey's ears, a secret which his barber betrayed to a hole in the ground. For his kind treatment of the satyr Silenus, he was granted a wish, but he foolishly wished for a power he couldn't control. After he nearly starved to death, Dionysus had him bathe in the Pactolus River to remove the gift. FTP name this mythical Phrygian king with the golden touch.

Answer: Midas

12. Originally born Giovanni Pierluigi, he eventually became known by the town in which he was born. Unable to enter the priesthood because of marriage, he instead led the greatest of choirs in Rome. However, he is best known for composing polyphonic pieces, full of canons and imitations. The master of the a cappella choir, he bridged earlier medieval music with the Baroque. FTP, name this composer, whose best-known work is the *Pope Marcellus Mass*.

ANSWER: Giovanni da Palestrina

13. He was once a farmer, blacksmith, rodeo rider, and a bodyguard for Howard Hughes before becoming an actor. In 1993, he ~~caused~~ tried to kill Tom Cruise as head of security in *The Firm*, as well as Kevin Kline's father in *In and Out*. He also appeared as the postmaster general in a *Seinfeld* episode in

1990. Besides appearing as a spokesman for Quaker Oats, he now appears in ads for a medical condition he has, diabetes. FTP, identify this actor who appeared several times on the show *The Waltons* as Horace.

Answer: Wilford Brimley

14. His major work takes place mainly in the realm of Day, with a goddess who informs him of the two ways: the way of truth and that of belief. The goddess explains to the author that truth is what is and error in thinking that non-existence can also be. Nothing can have real existence except what can be conceived, and what exists already existed, so there is no real change. Skeptical of the senses, he saw his job as exposing all forms of perceptual illusions. FTP, name this Eleatic philosopher, who attacked Pythagoras in his *On Nature*.

Answer: Parmenides

15. Originally painted for Lorenzo de Medici's villa at Castello, its setting is the Garden of the Hesperides. The three male figures in the painting are Zephyr or the North Wind, Cupid hovering with bow drawn, and Mercury wearing a red toga and a scimitar. At the center, Venus looks out at the viewer, right hand raised and left hand gathering the red folds of her cloak across her. The three Graces, clad in filmy gowns, dance together on the left half of the canvas, while Flora scatters flowers on the right. FTP, name this painting by Botticelli.

Answer: Primavera (also accept *Allegory of Spring*)

16. The British government had previously enacted the Rowlatt Acts, which served as a rationale for combatting subversive activities. A prelude to Gandhi's Non-cooperation movement, the resulting of actions of brigadier general Reginald Dyer were initially condemned, but later praised by the House of Lords. FTP, name this 1919 massacre of 379 unarmed Punjabi protestors.

Answer: Amritsar massacre

17. The family ate well that evening because they live in the suburbs of London and their name is Smith. Mr. and Mrs. Martin discover to their great astonishment that they live in the same flat. The Fire Chief drops by to see if they have any fires he can put out and everyone sits around swapping meaningless fables. It doesn't make sense, but then it shouldn't—it's theater of the absurd. FTP name this play by Eugene Ionesco which has nothing to do with a follicly-challenged vocalist.

Answer: The Bald Soprano

18. There are actually three versions of this decay, although the negative one is more common. This is probably the most important process controlled by the weak nuclear interaction. In addition to emitting an electron-antineutrino, the process either emits an electron, changing a neutron to a proton, or emits a positron or captures an electron, changing a proton to a neutron. FTP, name this type of nuclear decay, one of the three standard nuclear decays along with alpha and gamma.

Answer: beta decay

19. It is defined as  $i$  times the partial derivative with respect to  $x$  plus  $j$  times the partial derivative with respect to  $y$  plus  $k$  times the partial derivative with respect to  $z$ , where  $i$ ,  $j$ , and  $k$  are unit vector in the direction of  $x$ ,  $y$ , and  $z$ . While the scalar product of  $n$  and the operator acting upon a given function  $f$  describes the rate of change of  $f$  in the direction of  $n$ , the symbol representing the operation looks like an upside-down delta symbol. FTP, name this idea from 3D calculus, the slope of a surface in 3 dimensions.

Answer: Gradient

20. Some of the bizarre images in this work are a cherub, a balance, a serrated knife, an hourglass, a bell, a sphere, a ladder, a polyhedron, and a curled-up dog. The main figure is a laurel-wreathed angel

holding a compass, sitting with chin in hand, and looking gloomily into the distance. An airborne creature in the upper left corner holds a banner proclaiming the title of the work, while the magic square in the other corner reveals the date of the work (1514) in its bottom row. FTP, name this enigmatic engraving by Albrecht Durer.

Answer: Melancholia I

21. The transition state in this reaction is a highly reactive intermediate in which an electrophilic and nucleophilic molecule are half-bonded to a trivalent carbon atom. Good nucleophiles like the methoxide ion are required to drive the reaction, but cannot act as leaving groups. FTP, name this class of reaction in which substitution occurs in a concerted manner.

ANSWER: SN2 Reaction (Substitution, Nucleophilic, Bimolecular)

22. A young girl in the novel in which she appears, she, her brother, and her friend Dill act out stories together. She hates school and has a rebellious streak. Intelligent and combative, she is a tomboy who eventually gets convinced by her friend Dill and her brother Jem to wander about the spooky house down the street where "Boo" Radley lives. Her father Atticus, a lawyer, agrees to defend a black man accused of rape in their town of Maycomb. FTP, name this girl, the main character in Harper Lee's *To Kill A Mockingbird*.

Answer: "Scout" or Jean Louise Finch

23. First appearing as a band vocalist in the 1910s, this actress made her film debut in an uncredited role in 1932s, *The Boiling Point*, as Caroline, a cook. However, over the next 7 years, she would appear in over 60 films, with stars such as Barbara Stanwyck in *The Mad Miss Manton*, and Shirley Temple in *The Little Colonel*. Her most famous role was in 1939 when she became the first African American to win an Academy Award. FTP name this actress who won best supporting actress for her portrayal of Mammy in *Gone With the Wind*.

Answer: Hattie McDaniel

24. His Pulitzer-winning book *Present at the Creation: My Years in the State Department* is an account of his career in diplomacy stretching well into the Cold War, including service on Kennedy's executive committee during the Cuban missile crisis. Beginning his political career as an undersecretary of the Treasury under FDR, he had his greatest political achievements under Truman, as he was instrumental in the creation of the Marshall Plan, NATO, and the formulation of the Truman Doctrine. FTP name this man who served as Secretary of State under Harry Truman.

Answer: Dean Acheson

25. Its cause is unknown, but thought to be related to body temperature regulation and hormonal regulation. Its onset may be at adolescence or early adulthood, and occurs more frequently in women. Full spectrum fluorescent lighting is being investigated as a treatment. Its symptoms include depression, excessive daytime sleepiness, and all the other symptoms of depression, except its onset varies with the seasons. FTP, name this disorder, a form of depression that usually hits people in the fall and winter.

Answer: SAD or seasonal affective disorder or "sad"

26. Studying under Dronacharya, he was amongst the best archers in the world, with only one other better than him. Dronacharya took the thumb of the better archer, leaving him the best. He was the third oldest of the five Pandavas, who fought their cousins, the evil Kauravas, in the *Mahabharata*. FTP, name this hero, the disciple who had Krishna as a charioteer and was the original listener of the *Bhagavad-Gita*.

Answer: Arjuna

27. "Where is my God? Where is He?" is one of the most powerful lines from this work. From the small town of Sighet, Romania, the search for God is immediately set forth in the main character's search for the Talmudic scholar Moshe the Beadle. After being deported, he finds his answers in the ends of the gallows and in the gas chambers of Auschwitz – and concludes that there no God of compassion that could let this happen. FTP, name this novel, in which Eliezer is actually the author, Elie Wiesel.

ANSWER: Night or Nacht

28. This effect was discovered in the very building you are sitting in. When plotted, peaks are seen at two distinct wavelengths, even though the incoming beam is of a single wavelength. One peak is at the incident wavelength, and is a simple transmission explainable with classical electromagnetic theory. This effect is needed to explain the other peak, which was discovered in an experiment involving x-rays directed at a graphite target. FTP, name this effect, discovered right here at Washington University, that showed that x-rays scatter off atoms as if they were particles, not waves.

Answer: Compton effect

29. The state's case was based upon two facts: that one of the suspects had a pistol of the type used in the killings, and that both suspects were arrested at a garage while they were attempting to claim a car associated with the killings. Based on these two pieces of evidence, Massachusetts launched a 6-year case against two outspoken anarchist immigrants for the killings of Parmenter and Berardelli of Slater and Morrill shoe factory. FTP, name this case, which resulted in the unjust execution of two Italian immigrants.

Answer: Commonwealth of Massachusetts v. Sacco and Vanzetti

30. He became a Marxist during the 1930's, but disagreed with the arguments of the Soviet agronomist Lysenko in books such as "Heredity and Politics" and "The Inequality of Man". As a professor at the University of Cambridge, he studied the rates of mutation of color-blindness and hemophilia in the general population. FTP, name this British geneticist who discovered a mathematical approach to understanding natural selection, a pioneer in population genetics.

ANSWER: John Burden Sanderson Haldane

31. When the narrator saw the title object, it gave him a "sense of insufferable gloom." Called to the place by a friend who said he had a mental problem, the narrator comes immediately to help. The family of the friend was odd in that it had no offshoots: the entire family lay in a line of descent. His illness may have been caused by the illness of his sister, his only companion. Her death would have left him, Roderick, the last of his family. FTP, name this Poe work, in which Roderick writes "The Haunted Palace" and in which Poe describes the dissolving of a personality.

Answer: Fall of the House of Usher

32. Its central location in the empire made it convenient for bishops from all over to travel there. Convened by Constantine, its chairman was Eusebius. Though it created twenty canons, which among other things forbid priests to live with women and advised worshippers to stand while praying, and also issued an eponymous creed, its most important action was to condemn Arianism. FTP, name this first ecumenical council of the Catholic church, held in 325 C.E.

Answer: Nicaea

33. Some examples include appetite for food, smoking urges, pencil-chewing urges, and alertness. The most studied types are sleep cycles, in which the stages of sleep and brain waves go through cycles of varying durations. Other examples include stomach contractions and the levels of certain hormones, especially digestive hormones. Related to infradian and circadian rhythms, these rhythms are those that



occur more than once a day. FTP, name this type of rhythm, whose name comes from the Latin "beyond a day."

Answer: ultradian rhythm

34. Located adjacent to the Rímac River in an arid coastal region, its metropolitan area has a population of 6.4 million, accounting for almost one-third of its nation's total and a similar proportion of the nation's workforce. Founded by Pizarro in 1535 and originally named Ciudad de los Reyes, most of its important historical and architectural landmarks are centered around the Plaza de Armas, located near the current home of Alberto Fujimori. FTP, name this capital and largest city of Peru.

Answer: Lima

35. Its motto was "Our honor is our loyalty." In contrast to the organization led by Ernst Roehm, this black-uniformed group was superbly disciplined and completely loyal. It was created partly to give Hitler a bodyguard and partly to take power away from some of the uncontrollable SA units. During the Night of Long Knives, it broke the SA's power by murdering most of its leaders, including Roehm, and was allowed to become an independent organization. FTP, name the organization of Nazi state police headed by Heinrich Himmler.

Answer: SS or Schutzstaffel

36. This phenomenon was used to enrich uranium fuel by converting it to uranium hexafluoride vapor, and passing it through small holes to separate it based on molecular weight. The phenomenon is described quantitatively by Graham's law, which states that the rate of this is inversely proportional to the square root of the molar mass of the gas. It is similar to diffusion, but theoretically simpler because molecular collisions do not complicate the mathematics. FTP, name this process in which gas escapes through a small hole in a container.

Answer: effusion

37. In the early morning, Colonel John M. Chivington of the Third Colorado Cavalry and his soldiers killed several hundred Cheyenne and Arapaho people, most of whom were still sleeping. The federal government condemned the incident, and attempted to make amends to those who survived by giving them money. FTP, name this atrocity which occurred on November 29<sup>th</sup>, 1864, named for the creekside campsite of the Indians.

ANSWER: Sand Creek Massacre

38. Three men vie at times for the love of one woman in this work. One is a soldier who she eventually marries, but cheats on her; one is a powerful, wealthy farmer; and one is a dependable shepherd she rejects, but after her flings with the other two men, she finally agrees to marry. The soldier, Frank Troy, rejects his fiancée, Fanny Robin, because she went to the wrong chapel on the day of their wedding. And Mr. Boldwood, the wealthy farmer, would have married the woman, Bathsheba Everdene, had not Troy survived a near drowning. FTP, name this novel written by Thomas Hardy.

Answer: Far From the Madding Crowd

39. The third son of the dauphin and his consort Maria Josepha of Saxony, he was at first known as the duc de Berry, but became heir to the throne after his father's death. His education was entrusted to the duc de La Vauguyon, who made little effort that he be properly trained, and upon taking the throne his failure to support reforming ministers such as Turgot, Necker and Calonne forced him to summon the Estates-General in July 1788. FTP, name this monarch toppled by the French Revolution.

Answer: Louis XVI

40. Meaning "interpretation," this term refers to a collection of writings that were begun before 100 BCE by the scribes. It is divided into three groups. The Halakah contains the abstract law. The Halakic version of it contains the deduction of traditional law from the written law, and the Haggadic version contains legends, sermons, and interpretations of portions of the Torah. FTP, name this term, which refers to the Jewish expository and exegetical writings, the interpretations of the Old Testament by rabbis.

Answer: Midrash

41. It begins by defining the good, claiming that happiness is an activity, and asserting that each person wants a truly happy life. It then explains that vice and virtue are voluntary and that no one is blamed for vices or virtues that they do not control, and the author cites courage and temperance as examples. A happy life can be achieved by balancing each aspect of the personality between defect and excess—for instance, courage is the mean between cowardice and rashness. Addressed to the author's son, FTP, identify this work on morality by Aristotle.

Answer: Nicomachean Ethics

42. Its chief organizer was Ignatius Donnelly, leader of the Farmer's Alliance. Founded in 1891 in Cincinnati, Ohio, it called for the nationalization of the railroads, abolition of the federal bank, and direct election of senators. Its main plank was the free coinage of silver and an increase in the paper money supply. FTP, name this political party which nominated James Weaver in 1892 and William Jennings Bryan under the Democratic ticket in 1896.

ANSWER: Populist Party or People's Party

43. Most of her work was written for accompaniment with a lyre. Her face appeared on the coins of where she lived. Referred to by Plato as "the tenth muse," her works had themes of love and yearning. Writing in a meter named after her, she is reported to have jumped off a cliff due to unrequited love for Phaon, a boatman. At one time, there were once 9 full volumes of her poems, but now only one full work exists. Her works include *Ode to Aphrodite*. FTP, name this poet from Lesbos, the source for the word sapphic.

Answer: Sappho

44. In one myth, this god allowed himself to be seduced by Tezcatlipoca, but in remorse, threw himself onto a funeral pyre. After his death, his heart became the morning star. Another legend has him leaving on a raft of snakes over the sea. In any case, this god, described as light skinned and bearded was prophesized to return, so Montezuma II believed that Hernan Cortes was actually this god. FTP, identify this Aztec creator and sky god whose name means "Feathered Snake."

Answer: Quetzalcoatl

45. Its chapter titles include "Climate and Soil; Precious Metals," "The National War-Songs," and "Deities." The book details the origin of the subjects as descending from Tuisco and Mannus. Their appearances bear no sign of foreign influences, and their frames are huge, "fit only for a sudden exertion." Written by the author of *Dialogus de Oratoribus*, the work is considered one of the first anthropological works ever. FTP, name this work describing the Germans from the Roman viewpoint, written by Tacitus.

Answer: Germania

46. What you might not know about this man is that he is an actor as well as a hockey player. In fact, he has starred as two different characters with the same name, Sea Bass, in the Farrelly brother's classics, *Dumb and Dumber*, and *Me Myself and Irene*. He also appeared as himself in *D2: The Mighty Ducks*. Playing with the Vancouver Canucks from 1983-86 and with the Boston Bruins from 86 until his retirement in 1997, he played in 726 games and had 395 goals and 299 assists in his career. FTP identify this famed Bruins winger who won the Masterton trophy for the 1993-94 season.

Answer: Cam Neely

47. The story begins in the 1820s when the city of Macondo is founded in a swamp and ends a century later when a hurricane obliterates the city. The city's rise and fall mirrors the seven generations of Buendias who live there, as narrated by the gypsy Melquiades. FTP name this 1967 magical realism novel written by Gabriel Garcia Marquez.

Answer: One Hundred Years of Solitude

48. The only leader after Stalin to be made marshal of the Soviet Union, his leadership ended with the dismissal of Podgorny as chairman of the Presidium of the Supreme Soviet. As second secretary in Kazakhstan he instituted the Virgin and Idel Lands Campaign, and when Alexander Dubcek tried to liberalize Czechoslovakia in 1968, he asserted to right of Soviet intervention. FTP, name this Soviet leader who succeeded Alexander Kosygin in 1964 as first secretary.

Answer: Leonid Brezhnev

49. What's left of the fourth floor has narrow rectangular windows spaced at intervals by pilasters, quite different from the more recognizable lower levels, but understandable since it was added about 150 years later. The 80 entrance arches of the bottom story are separated by Doric columns, while the next two stories respectively use Ionic and Corinthian columns. Canvas sheets manned by sailors from nearby Ostia kept the sun off the spectators during the summer. Also known as the Flavian Amphitheater, FTP, name this architectural marvel and ancient Roman stadium.

Answer: Colosseum

49. There are many remains of Native American cliff dwellings on the banks of this river, including the Casa Grande National Monument. The Coolidge dam provides irrigation for the area, whose inhabitants include those on the San Carlos Indian Reservation. FTP, name this 630-mile long river, extending from New Mexico across Arizona to the Colorado River, named after a poisonous monster.

ANSWER: Gila River

50. Indoleacetic Acid is the only known naturally occurring example of this hormone, and is derived from tryptophan. Named by Frits Went for the Greek for "to increase", it responds to stimuli by migrating toward the area of greatest stimulation. Produced in the apical meristem, it regulates elongation and growth at the tip of a plant by increasing the plasticity of the cell wall. FTP, name this class of plant hormones responsible for phototropism.

ANSWER: Auxin

51. His "truth" was the whole – portions of the truth were not true until united with the rest of the truth to form the whole, like a fractal. This move towards the whole he called *Aufhebung*, with which he moved to reject Aristotle and reach a new way of thinking, dialectical thinking. He set forth his ideas of all subjects systematically in *Encyclopaedia of the Philosophical Sciences*. His ideas in *Encyclopaedia* and other works such as *Philosophy of Right*, he deeply influenced Engels and Marx. FTP, name this philosopher, the creator of *Phenomenology*.

Answer: Georg Wilhelm Friedrich Hegel

52. The audience is an ambassador from a Count who wishes to marry his daughter to the narrator. The narrator shows off his art collection, which includes a bronze statue of Neptune cast in bronze by Claus of Innsbruck. The more important work of art he discusses in this poem is a painting of the title character, whom the Duke of Ferrara ordered killed because she was not properly appreciative of his gift of a nine-hundred-year-old name. FTP, name this poem by Robert Browning.



Answer: My Last Duchess

53. "When I am laid in earth, may my troubles create, no trouble in thy breast; remember me, but Ah! Forget my fate." These lines pretext one of music's most effective and stirring sad arias. Performed in three acts with a libretto by Nahum Tate, it was first performed by a girl's school in Chelsea. Based on the fourth book of the *Aeneid*, this is, FTP, what most famous opera by Henry Purcell?

ANSWER: Dido et Aeneas or Dido and Aeneas

54. His psychological writings were banned months after his death and were not re-published until 1956. He envisioned a single science for life, not a natural science and a psychological one. Known for developing a sociocultural theory of development, this Russian distinguished between lower and higher mental functions, intramental versus intermental abilities, and decontextualization. FTP, name this psychologist, known for his theory of the "zone of proximal development."

Answer: Lev Vygotsky

55. Sometimes described as the first psychological novel, it examines in detail the lives of several residents of the title town. The banker Nicholas Bulstrode leaves town when the dark history of his family fortune comes to light. Though Doctor Lydgate is also connected to the affair, his name is cleared by the widow Dorothea Casaubon, whose husband left his money to her only on the condition that she not marry Will Ladislaw. FTP, name this 1872 novel by George Eliot.

Answer: Middlemarch

56. Stated at the second Lincoln – Douglas debate, it responded to Lincoln's question relating to the exclusion of slavery in territories without a state constitution. Douglas's response allowed the exclusion of slavery within a territory despite the Dred Scott decision, if the people refuse to enact laws to protect it. FTP, name Douglas's statement, which cost him the support of the Southern Democrats in the 1860 election, named for the town in which the debate was held.

ANSWER: Freeport Doctrine

57. This model deals with how to analyze choice under uncertainty. People are classified as risk averse, risk seeking, or risk neutral. These preferences for risk dictate a utility function of wealth, which for the most common risk averse case says that the marginal utility of wealth is decreasing. This theory is often used to analyze insurance costs and benefits. FTP, name this model developed by von Neumann and Morgenstern that states that it is not the expected value of a gamble that counts, but this quantity instead.

Answer: expected utility model

58. For water, it occurs at .01 degrees Celsius and .00603 atmospheres. For carbon dioxide, it is far above one atmosphere, which explains why carbon dioxide sublimates from the solid directly to the gas at normal temperatures. The melting point and vapor pressure curves intersect here on the phase diagram for a substance with three phases. It will be different for a solution and a pure substance because of vapor pressure lowering. FTP, name this point where three phases of a substance exist simultaneously.

Answer: triple point

59. In the first of this series, Tom is measured for a new suit while an angry mother accuses him of seducing her daughter. In the second, he hosts a fancy party, but the third shows the beginning of his fall as he sprawls drunkenly at a crowded tavern table while two women steal his watch. The rest of the paintings depict in sequence his marriage to a wealthy hag, his arrest for debt, and his end in Bedlam. FTP, name this series of paintings by William Hogarth, the basis for an opera by Stravinsky.

Answer: The Rake's Progress

60. Martin Dauch was the only man of the 578 who refused to sign it, saying he could not sign anything his king had not sanctioned. Apparently it was effective because the next week, the king called a meeting of the Estates General to write a new constitution. It was created when the delegates of the Third Estate, believing that Louis XVI was trying to sabotage their demands for reform, reassembled in another location along with a few clergymen and nobles and swore never to leave that place until they had drafted a new constitution. FTP, name this 1789 oath, named for the place where it was sworn.

Answer: Tennis-Court Oath

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61. It was founded in 1962 by Silvio Mayorga, (my-OR-guh) Tomas Borge (BOR-hay) Martinez, and Carlos Fonseca Amador and committed itself to socialist activities. Split into three factions in the mid-1970s, the group reunited during the revolution of 1978-79 and overthrew the National Guard and president Anastasio Somoza Debayle. FTP, name this governing group of Nicaragua which allied with the Soviet Union and Cuba in the 1980s against the Honduras-based contras.

Answer: Frente Sandinista(s) Liberacion Nacional or FSLN

62. The grandson of Trenmor and Muirne of the fair neck, he engaged in battle with Goll the One-eyed for the position of chieftain. He is engaged in the service of the high king at Tara, and his actions are mainly for the loves of his life: his first wife Sedb, and his second Grainne, who betrays him for his kinsman Diarmuid. FTP, name this Irish hero whose wisdom came from hazelnuts and the salmon of knowledge.

Answer: Finn MacCool or Fionn mac Cumhail