

Valencia Fall Invitational 2013
Round 7

1. Heinz Hartmann posited that this structure was responsible for reality testing. Jacques Lacan wrote that this structure was formed during the “mirror stage.” Melanie Klein originally suggested this structure as the site of object relations before moving toward a mixture of this structure and others. Methods such as displacement, compensation, and reaction formation are defense mechanisms which can be deployed to protect this structure. Termed “ich” by Freud, FTP what structure is the mediator between id and super-ego?

ANSWER: ego

2. Albert Luthuli reprimanded this man for a speech he gave at Freedom Square in Sophiatown. This man declared “I am the First Accused,” while defending his actions as a member of Umkhonto we Sizwe in the “I Am Prepared to Die” speech. This man was attacked for his founding of the Spear of the Nation during the Rivonia Trial. This member of the African National Congress was exonerated by F.W. de Klerk following twenty-seven years of imprisonment on Robben Island. FTP, name this opponent of apartheid who became president of South Africa in 1994.

ANSWER: Nelson Mandela

3. This author’s 1958 story about the Army sergeant Marx who offers preferential treatment to three fellow Jewish soldiers led to an outcry from the Anti-Defamation League. The controversy sparked by his story “Defender of the Faith,” collected in the book *Goodbye, Columbus*, presaged the greater scandal of his novel including descriptions of the title character’s frequent masturbation, including once with a piece of liver, and his efforts to land a blonde shiks[a]. FTP what creator of Nathan Zuckerman wrote novels like *The Human Stain* and *Portnoy’s Complaint*?

ANSWER: Philip Roth

4. In liquids and gases, the birefringence of light in the presence of a transverse one of these entities is known as the Cotton–Mouton and Voigt effects, respectively. Small ones can be measured by superconducting quantum interference devices. There are plateaus in the plot of the Hall voltage versus this quantity. Spectral lines are split in the presence of one of these in the Zeeman effect. The force on a current-carrying wire is equal to the product of current, wire length, and the magnitude of this field, which is measured in units of teslas. For 10 points, name this type of field that is created by a moving charge and whose lines are continuous, unlike electric fields.

ANSWER: magnetic field(s)

5. One painting by this man depicts three putti pointing arrows at the titular Nereid, who rides on a shell pulled by two dolphins. This man's drawing *Head of a Young Apostle* recently sold at an auction for \$48 million. This artist of *Galatea* used a goldfinch to foreshadow the crucifixion in one of his paintings of the Madonna, and he was commissioned by Pope Julius II to decorate several other rooms. The walls of the Stanza della Segnatura feature works by this artist, whose most famous painting depicts Plato and Aristotle conversing. For 10 points, name this painter of *The School of Athens*.

ANSWER: Raphael [or Raffaello Sanzio]

6. Harrison Reed was the first Republican to hold this elected office, earning it in 1865 under Reconstruction military occupation. After Reconstruction, the next Republican to be elected to this office was Claude Kirk in 1967. One holder of this office took part in eight-hour “workdays,” experiencing first-hand numerous jobs worked by his constituents. Another holder of this office earned the nickname “Walkin” while running for a previously held US Senate position; he was the last Democrat elected to this office. Lawton Chiles, Bob Graham, and Charlie Crist have held, FTP, what elected office currently held by Rick Scott?

ANSWER: Governor of Florida

7. Erich Fromm described three negative effects of this concept as devolving to authoritarianism, destructiveness, and conformity in a book titled for the “Escape from” this concept. Sartre claimed that “facticity” is the sum of contingent and external forces potentially limiting the full expression of this concept, and he further equated this term with “spontaneity,” arguing that this concept cannot truly exist if there is a god. Sartre also claimed that an individual’s refusal to accept that he possesses this concept constitutes “bad faith.” FTP what is this state of being able to choose, often equated with liberty?

ANSWER: freedom (grudgingly accept “free will,” though Fromm title should eliminate that)

8. The surface type of this phenomenon can occur by gliding, reptation, and leapfrog mechanisms. Molecules collide with walls more than each other in the Knudsen [*NOOD-suhn*] type of this phenomenon, whose namesake coefficient appears in Fick's first law. The rate of this process is inversely proportional to the square root of the molar mass of a gas according to Graham's law. Carrier proteins can transport sugars and amino acids in a facilitated process named for this phenomenon. For fluids through a membrane, this process is called osmosis. For 10 points, name this movement of substances from areas of high concentration to low concentration.

ANSWER: diffusion (coefficient) [prompt on “effusion” or “osmosis”]

9. One author with this last name wrote a novel in which the curate Edward Weston marries the titular governess, who had been employed by the Bloomfield and Murray families. The author Daphne du Maurier wrote about the “Infernal World” of one person with this last name. One author with this surname wrote a novel that ends with Bertha Mason burning down Thornfield and Edward Rochester marrying the title character. Another author with this last name wrote a novel partly set in Thrushcross Grange that begins with Heathcliff's arrival at the titular Yorkshire moor. For 10 points, identify this last name shared by the authors of *Jane Eyre* and *Wuthering Heights*.

ANSWER: Bronte

10. The eastern border of this nation was drawn in 1893 and is known as the Durand Line. On its south and southeast is the ancient province of Baluchistan, while the Wakhan Corridor connects this nation’s eastern edge to China. The Barmal and Jubruz districts of this nation lie on its eastern border, which is populated by the namesake tribes of Waziristan. The Wazirs are a sub-tribe of the largest ethnicity of this nation, the Pashtun. FTP what landlocked Asian nation includes the cities of Herat and Kandahar, as well as the capital Kabul?

ANSWER: Afghanistan

11. Dagan, Golumbic, and Pinter provided an optimal coloring algorithm for graphs named for this shape. A class of numbers whose members are the sum of at least two consecutive positive integers greater than one is named for this shape. It's not a triangle, but the isosceles type of this shape is cyclic. Along with the rectangle, this shape names a method for approximating integrals. The area of this polygon is equal to half the product of its altitude and the sum of its bases. For 10 points, name this quadrilateral that has two parallel and two non-parallel sides.

ANSWER: trapezoids [or trapeziums; prompt on "quadrilateral" or "polygon"]

12. This man worked with producer Teo Macero to create the track "Shhh/Peaceful" on an album that featured Chick Corea and Herbie Hancock on electric piano. Macero also helped this man edit an album that anticipated jazz-rock fusion with tracks like "Pharaoh's Dance." This man imitated the call of a muezzin on the Gil Evans-penned "Saeta" from an album that also includes *Concierto de Aranjuez*. His most famous album includes the saxophonists Cannonball Adderley and John Coltrane and tracks like "So What." For 10 points, name this jazz trumpeter, whose albums include *In a Silent Way*, *Bitches Brew*, *Sketches of Spain*, and *Kind of Blue*.

ANSWER: Miles Davis

13. The system of permits regulating the trade in this commodity by the French was called "conges," and traders in it included coureurs de bois and voyageurs. The Hudson's Bay Company was chartered for trade in this commodity, and the Lewis and Clark Expedition's encampment of Fort Clatsop evolved into a modern city bearing the name of the most prominent American in this trade. Astoria, Oregon, was named, FTP, for John Jacob Astor, who created the largest American company trading in what animal product?

ANSWER: fur trade (accept "pelts," I reckon)

14. Manya from Poland dies after this character makes the "pony remark." This character once dated a woman with "man hands," and his neighbor once made a statue of him out of fusilli pasta. This character, after receiving a label maker, accuses Tim Whatley of being a re-gifter. This character once unknowingly agreed to wear a "puffy shirt" on TV, and he believes fellow comedian Kenny Bania [*BAN-yuh*] is a hack. Wayne Knight played Newman, this character's arch-nemesis. For 10 points, name this character whose friends include George, Elaine, and Kramer.

ANSWER: Jerry Seinfeld [accept either]

15. In Norse mythology, this type of deity has a chariot drawn by two horses named Arvak and Alsvid. The Aztecs believed that this kind of being is the fifth of its type, and that it required human sacrifice to perform its usual duty. In Hindu myth, Rama is a member of the Suryavansha, a clan that claims descent from this kind of god. The Imperial family of Japan also claims direct ancestry from, FTP, what kind of god affiliated with a celestial object in the daytime sky?

ANSWER: solar or sun deity (accept any logical equivalents)

16. One work from this nation includes a scene in which Poldo and Pauline listen to the Father's Treatises on Tailor's Dummies after Adela scares a group of birds out of the attic. That novel is Bruno Schulz's *Street of Crocodiles*. This nation is the setting of a novel in which the magician Pimko transforms a 30-year old man named Joey into a schoolboy. A Nobel-winner from this nation wrote a trilogy set here that includes the novels *The Deluge* and *With Fire and Sword*. That author used Nero's Rome as a setting for a novel about the love of Marcus Vinicius for Ligia. For 10 points, name this home country of *Ferdynand* author Witold Gombrowicz and *Quo Vadis?* author Henryk Sienkiewicz [sine-kav-itch].

ANSWER: Poland

17. Most male members of this taxonomical class have an arm-like structure used to transfer sperm to females called the hectocotylus. One member of this taxonomical class has a large axon that was used by Hodgkin and Huxley to study nerve conduction. Extinct members of this class include belemnites and ammonites. It is part of a phylum whose other classes include bivalves and gastropods. Most members of this class can release "ink" when threatened by predators. For 10 points, name this class of mollusks whose members include the nautilus, squid, and octopus.

ANSWER: cephalopods [or Cephalopoda]

18. This event makes use of a garment consisting of two sheets of unhemmed white cloth known as the ihram. One rite during this event is performed from Jamarat Bridge. The Tawaf ritual during this event is centered on an object covered with the kiswah, and during this event its performers descend Mt. Arafat to celebrate Eid al-Adha. When not performed during Dhu al-Hijjah, this event is known as an Umrah. During this event, people drink from the Well of Zamzam, perform the stoning of the devil, and walk around the Ka'aba seven times. FTP, name this pillar of Islam, a pilgrimage to Mecca.

ANSWER: Hajj

19. This poet wrote about a man who "cursed the commonplace/ and eyed a khaki suit with loathing" who "loved the Medici,/ albeit he had never seen one." This man wrote, "Go to the western gate" to begin his poem "Luke Havergal" and wrote another poem about a man who was "clean favored, and imperially slim." He wrote about a man "born too late" who "kept on drinking" in "Miniver Cheevy." His best-known creation is a character who "went home and put a bullet in his head." For 10 points, name this author of "Richard Cory."

ANSWER: Edward Arlington Robinson

20. Pieces of a statue of this man were taken to Oliver Wolcott's home and melted down to make over 40,000 bullets. This king, who proposed the Royal Marriages Act, was told to "obey and show no negligence" by the Qianlong Emperor following a George Macartney mission. Events during the reign of this king included the abolishment of the slave trade and the Gordon riots. George Grenville, who introduced the Stamp Act, served as Prime Minister during the reign of this king, who suffered from porphyria. For 10 points, name this British king who ruled during the American Revolution.

ANSWER: George III

Delta Burke 2013
Round 7 Bonuses

1. Desiccants are used to absorb this compound, whose molecular geometry is described by VSEPR as bent as a result of the 104.5 degree bond angle between its two hydrogens. For 10 points each:

[10] Name this compound often known as the universal solvent.

ANSWER: water [or H₂O]

[10] Water forms a positive azeotrope with this compound with structural formula CH₃-CH₂-OH.

ANSWER: ethanol [or ethyl alcohol]

[10] Environmental chemists sometimes use this eponymous disk to measure the clarity of water. This disk is 20 centimeters in diameter and is divided into alternating black and white quadrants.

ANSWER: Secchi disk

2. This musician's 1975 double album Metal Machine Music featured screeching feedback and noise. FTPE:

[10] What rock pioneer behind songs like "Sweet Jane" and "Walk on the Wild Side" died in October, 2013?

ANSWER: Lou Reed

[10] Reed left behind this widow, a performance artist and experimental musician. She invented a violin incorporating cassette tape function and may be best known for the 1981 single "O Superman."

ANSWER: Laurie Anderson

[10] In 2011 Reed released Lulu, a collaboration with this heavy band featuring drummer Lars Ulrich, perhaps best known for their song "Enter Sandman."

ANSWER: Metallica

3. Hercules frees the title figure in this play after Demogorgon pronounces judgment on Jupiter. FTPE:

[10] What play's titular mythological Titan is emancipated after 3,000 years chained to a rock?

ANSWER: Prometheus Unbound

[10] Prometheus Unbound was written by this Romantic poet of "Ozymandias" and "To a Skylark."

ANSWER: Percy Bysshe Shelley

[10] A defiant Prometheus was sent into a dungeon within the earth at the end of *Prometheus Bound*, one of seven extant plays by this ancient Greek.

ANSWER: Aeschylus

4. This man, who spent most of June 2013 in Hong Kong, was granted asylum by Russia. FTPE:

[10] Name this whistle-blower who leaked documents to *The Guardian* showing that the National Security Agency has been collecting the telephone records of millions of Americans.

ANSWER: Edward Snowden

[10] Google, Facebook, and others received money from the NSA to cover the costs related to this surveillance program, which shares its name with a recently released Katy Perry album.

ANSWER: PRISM

[10] This bald liar, the current Director of National Intelligence, claims to have chosen the "least most untruthful manner" of answering Senator Ron Wyden's question "Does the NSA collect any type of data at all on millions of Americans?"

ANSWER: James Clapper

5. The blood of this figure from Chinese myth formed rivers and oceans. For 10 points each:

[10] Name this creator deity who had earlier spent 18,000 years separating heaven from earth.

ANSWER: Pangu [or P'an-ku]

[10] Pangu created the earth and sky by cleaving Yin and Yang with this type of weapon, also used in American folklore by Paul Bunyan.

ANSWER: axe

[10] A figure from Chinese mythology known as Nuwa or Nüwa created humans using handfuls of wet clay from this river, which is named for the color of the silt it carries.

ANSWER: Yellow River [or Huang He; or Hwang Ho]

6. This psychologist performed a namesake investigation into obedience. FTPE:

[10] What psychologist showed that a slight majority of subjects would administer shocks they thought could be fatal if told to do so by men posing as researchers.

ANSWER: Stanley Milgram

[10] Milgram first carried out his shock experiment in New Haven while teaching at this Ivy League University.

ANSWER: Yale

[10] Another experiment by Milgram was this one, in which he asked people in Omaha or Wichita to use a chain of correspondence to reach a person they didn't know in Boston. Though Milgram didn't use the term, this experiment is associated with the concept of "six degrees of separation."

ANSWER: Small World experiment

7. This plan was proposed by the Union General-in-Chief at the outset of the Civil War. FTPE:

[10] What plan aimed to squeeze Confederate troops between a blockade of ports and a huge force moving south along the Mississippi?

ANSWER: Anaconda Plan

[10] The Anaconda Plan was proposed by this general, nicknamed Old Fuss and Feathers, who lost the 1852 presidential election to Franklin Pierce?

ANSWER: Winfield Scott

[10] In 1838 Scott oversaw the forcible removal of members of this native tribe along the "Trail of Tears."

ANSWER: Cherokee

8. This man wrote a book on comets entitled *The Assayer*, and he may have dropped objects off of the Leaning Tower of Pisa to disprove heavier objects fall faster than lighter ones. FTPE:

[10] Name this Italian astronomer who supported the theory of heliocentricity.

ANSWER: Galileo Galilei [accept either or both]

[10] Galileo was one of the first to observe these phenomena, which occur in eleven year cycles.

ANSWER: sunspots

[10] Salviati, Sagredo, and Simplicio are the speakers in this Galileo work, which compares the Copernican and Ptolemaic systems. Published in 1632, this work was banned by the Inquisition.

ANSWER: Dialogue Concerning the Two Chief World Systems

9. One of these creatures is described as having a “narrow shaft” and dividing the grass “as a comb” in one poem. FTPE:

[10] What reptile “likes a boggy acre” in the poem “A Narrow Fellow in the Grass”?

ANSWER: snake

[10] This “Belle of Amherst” is the poet of “Because I Could Not Stop for Death” and “I Drink a Liquor Never Brewed” wrote “A Narrow Fellow in the Grass.”

ANSWER: Emily Dickinson

[10] In another Dickinson poem, the speaker keeps this day at home “with a Bobolink for a chorister/And an orchard for a Dome,” and gets to hear God himself preach.

ANSWER: Sabbath

10. This man won the costly battle of Gergovia, but lost another battle after his enemy constructed a double fortification to keep his allies from aiding him, FTPE:

[10] Name this leader of the Avernian tribe who surrendered after being defeated at Alesia.

ANSWER: Vercingetorix [*vur-sin-GET-uh-riks*]

[10] Vercingetorix was defeated by this general, who declared “Alea iacta est” after crossing the Rubicon, and was later stabbed to death on the Ides of March.

ANSWER: Julius Caesar

[10] Vercingetorix’s defeat effectively put an end to the wars fought in this region. Caesar’s *Commentaries* on the wars fought here opens by describing it as being divided into three parts.

ANSWER: Gaul (or Gallia)

11. This cycle includes the proliferative and secretory phases. For 10 points each:

[10] Name this cycle in fertile female humans that lasts approximately twenty-eight days.

ANSWER: menstrual cycle [or uterine cycle]

[10] In the menstrual cycle, this membrane of the uterus thickens during the proliferative and secretory phases. If pregnancy does not occur, it is shed from the uterus during menstruation.

ANSWER: endometrium

[10] Other mammals, such as dogs and rats, have this cycle, in which the endometrium is reabsorbed by the uterus if pregnancy does not occur.

ANSWER: estrous cycle [or oestrous cycle]

12. This painter created many frescoes for the Scrovegni Chapel in Padua. For 10 points each:

[10] Name this early 14th century painter who was a student of Cimabue [*chee-mah-BOO-e*].

ANSWER: Giotto [*JOT-oh*] di Bondone

[10] Giotto designed the campanile [*kam-puh-NEE-lee*], or bell tower, for this Italian city's cathedral, whose octagonal dome was designed by Filippo Brunelleschi.

ANSWER: Florence

[10] The ceiling of the Scrovegni Chapel is primarily this color. A portrait of Jonathan Buttall by Thomas Gainsborough is titled for this color, which also names a Pablo Picasso period of works.

ANSWER: blue

13. The evil scientist Yakub created white people 6,000 years ago according to this religion, which celebrates Saviours' Day to honor the birth of its founder, Wallace Fard Muhammad. FTPE:

[10] Name this religion whose leaders have included Elijah Muhammad and Louis Farrakhan.

ANSWER: Nation of Islam [or NOI]

[10] The Nation of Islam teaches about this giant spaceship, which is based on an object from the Book of Ezekiel, and whose purpose is to rescue Black Muslims and then destroy White America.

ANSWER: Mother Plane [or Mother Wheel]

[10] The headquarters of the Nation of Islam is a mosque named for this woman. Her namesake sura mentions that she is the mother of Isa, who is better known to Christians as Jesus.

ANSWER: Mary [or Maryam]

14. This author created the fictional sci-fi writer Kilgore Trout. FTPE:

[10] Trout first appeared in this author's novel *God Bless You, Mr. Rosewater*, and his writings inspire a violent rampage by Dwight Hoover in this author's novel *Breakfast of Champions*.

ANSWER: Kurt Vonnegut

[10] Vonnegut's best-known novel is likely this work focusing on Billy Pilgrim, titled for the abandoned killing floor where Pilgrim is held as a P.O.W. in Dresden.

ANSWER: Slaughterhouse Five

[10] One of Vonnegut's last works was a collection of fictional interviews which take place after he has fictionally been given near-death experiences by this real-life "Doctor Death," known for his advocacy of assisted suicide.

ANSWER: Jack Kevorkian

15. This union was founded in 1905 by socialists and anarchists including Mary "Mother" Jones and Eugene V. Debs. FTPE:

[10] What union founded by "Big Bill" Haywood and others was nicknamed the "wobblies"?

ANSWER: Industrial Workers of the World (or IWW) [don't accept "International" for "Industrial"]

[10] Haywood had previously beaten a charge of murdering Frank Steunenberg, governor of this western state.

ANSWER: Idaho

[10] The IWW was created due to desires for a more radical union alternative to this more centrist union founded by Samuel Gompers.

ANSWER: American Federation of Labor or AFL

16. This region is dominated by a namesake grassland. FTPE:

[10] What collective name is given to Canada's provinces of Manitoba, Saskatchewan and Alberta?

ANSWER: Prairie Provinces

[10] Alberta's largest city is this home to a namesake rodeo called the Stampede and host of the 1988 Winter Olympics.

ANSWER: Calgary

[10] A large "General Strike" hit this largest city of Manitoba in 1919. Its NHL Jets team was reborn in 2011 after the original franchise bugged out for Phoenix in 1996.

ANSWER: Winnipeg

17. A tokamak [*TOH-kuh-mak*] uses a magnetic field to confine this state of matter, whose temperature and density can be measured using a Langmuir probe. For 10 points each:

[10] Name this "fourth state of matter" that is composed of charged particles.

ANSWER: plasma

[10] The length over which a plasma will shield an electric field is named for this Dutch physicist, who also co-names an equation used to calculate activity coefficients.

ANSWER: Peter Debye [*de-BAHY*]

[10] Peter Debye names a unit of this quantity, which is calculated as the product of charge and distance for two equal and opposite point charges.

ANSWER: (electric) dipole moment

18. One traditional definition of this concept in philosophy is that it embodies "justified true belief." FTPE:

[10] Edmund Gettier's propositions regarding whether "Smith owns a Ford" concern this concept, presumably important for quiz bowl success.

ANSWER: knowledge

[10] Distinctions between types of knowledge called episteme and techne were made by this Greek author of *Poetics* and *Nicomachean Ethics*.

ANSWER: Aristotle

[10] Two other ways of defining knowledge are as "a posteriori," or based on empirical evidence, or as this other form, referring to knowledge independent of experience.

ANSWER: a priori

19. In ancient times, this modern-day country was the center of the Kitaru Empire. FTPE:

[10] Name this country that was led in the 20th century by Mutesa II and Milton Obote, the latter of whom would later be deposed by a man who claimed to be the uncrowned King of Scotland.

ANSWER: Uganda

[10] Obote's rule was ended by this dictator whose attempts to annex Kagera sparked animosity from Tanzania's Julius Nyerere, and who expelled more than 80,000 Asians from Uganda.

ANSWER: Idi Amin

[10] During Amin's presidency, Palestinian terrorists hijacked an Air France flight and flew it to an airport in this Ugandan city. Israel launched Operation Thunderbolt to rescue the hostages.

ANSWER: Entebbe (or Entebbe raid)

20. Ford Madox Ford's tetralogy of novels, *Parade's End*, describes one man's experiences of this war. FTPE:

[10] What war was also the subject of the poems of Wilfred Owen, who died just days before its November armistice?

ANSWER: World War I

[10] This author based his novel *Ashenden* on his experience in intelligence in WWI. He also wrote the novels *The Razor's Edge* and *Of Human Bondage*.

ANSWER: W. Somerset Maugham

[10] *The Road Back* is a sort-of sequel to this earlier novel, in which the protagonist Paul Baumer is killed on a day in which fighting is ironically described by a German report of the title phrase.

ANSWER: All Quiet on the Western Front