

Chicago Open 2013: No Subtext, Just Tacos
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1. The protagonist of this play describes a trip he made to the mines with his father, where he says he heard the metal sing because it wanted to serve mankind. In this play, a maid named Malena follows a character's footprints with a lantern. The main character of this drama describes his heart being grabbed by an ice-cold metal hand prior to his demise, which occurs many years after he was supposedly betrayed by Hinkel. In this play, Vilhelm Foldal gets (*) run over by a sleigh carrying his daughter Frida, who is "finishing her education" by moving away with Fanny Wilton and her love interest, Erhart. Ella Rentheim, the twin sister of the title character's wife Gunhild, accuses him of murdering the "love-life" of her soul. For 10 points, name this Henrik Ibsen play about a disgraced former banker.

ANSWER: John Gabriel Borkman

2. In this condition, the presence of widened palpebral fissures is called Dalrymple's sign, while Von Graef's sign is caused by decreased activity of the third cranial nerve. The accumulation of hyaluronic acid in the dermis is responsible for the pretibial myxedema seen in this disease, and one mutation associated with increased prevalence of this disease is CTLA-4. The NOSPECS mnemonic can be used to assess the degree of bilateral (*) proptosis and periorbital edema, and two drugs commonly used for treating this disease are methimazole and propylthiouracil. TSH receptor antibodies are specific for this autoimmune condition, which presents with symptoms like weight loss, tremor, and an increased heart rate due to an increase in metabolism from excess hormones. Usually treated with radioiodine, for 10 points, name this form of hyperthyroidism which often presents a goiter, also known as Basedow's Disease.

ANSWER: Graves disease [prompt on "hyperthyroidism", prompt on "thyrotoxicosis" as some clues refer to that, accept Basedow's Disease before mentioned]

3. This ruler intentionally aggravated Bishop Sotern by sending an army to destroy the Udenheim fortress built near his borders. The fanatic "mad halberstadter" Christian the Younger raised an army for this ruler, who lost his allies' support in the Treaty of Ulm. This ruler commissioned Salomon de Caus and Inigo Jones to build him a garden called the "eighth wonder of the world." James I of England formed an ill-considered (*) alliance with this man by allowing him to marry his daughter, Elizabeth Stuart. This father of Prince Rupert of the Rhine was crowned in Prague in 1619 and subsequently attacked by the forces of the Catholic League under Count von Tilly. For 10 points, name this Protestant king from the Thirty Years' War whose defeat at the Battle of White Mountain ended his brief rule over Bohemia.

ANSWER: Frederick V [or Frederick the Winter King]

4. This state is the location of the Dr. Alfonso Ortiz Tirado Festival, while another city in this state is the location of the Plaza de los Tres Presidentes. The longest river in this state is formed by the junction of the Bavispe and Papigochi rivers, is retained by the Álvaro Obregón Dam, and is the Yaqui. This state's port of Guaymas hosts its nation's oldest Carnival celebration. Heroica Nogales is a port of entry in this state, and Hell's Channel separates (*) Tiburon Island from its mainland. The Altar Desert is the location of the resort town of Puerto Penasco in this state. This state is bordered by Sinaloa to its south and Chihuahua to its east, and this state lost part of its northern lands in the Gadsden Purchase. For 10 points, name this Mexican state with capital at Hermosillo, which borders Arizona and New Mexico and shares its name with a desert.

ANSWER: Sonora

5. This non-FBI federal agency was alleged to have supplied money and off-duty police to Dick Wilson's "goon squad." The administrator of this office under the Grant administration had previously written out the surrender documents signed by Lee at Appomattox. FDR's reformist head of this agency, John Collier, sought to remedy policy failures specified in the Meriam Report. Ely S. Parker promoted a Peace Policy while heading this agency, which administered controversial (*) boarding schools based on Richard Henry

Pratt's assimilation-promoting Carlisle model. Its other controversial actions include issuing cards confirming the owner's "blood quantum" and mismanaging a fund created by the Dawes Act. For 10 points, name this government agency within the Department of the Interior charged with administering issues related to Native Americans.

ANSWER: the **Bureau of Indian Affairs** [or the **Office of Indian Affairs**; or the **BIA**]

6. Two women in blue bonnets in this painting—one wearing a black veil—sit next to a small black dog wearing a blue bow. A grey umbrella in this painting lies on the ground, in between some iron Neo-Rococo chairs and two girls scooping sand into buckets. This painting inspired Adolph Menzel to paint an "Afternoon" in the same setting. The title location of this painting was the site of the last major architectural work of Philibert Delorme before it (*) burned down in 1870. An unseen band plays somewhere off of the tree-filled canvas of this painting. The painter Charles Moginot tips his hat on the right side of this painting, which also depicts a seated Jacques Offenbach, Frederic Bazille, and Charles Baudelaire. For 10 points, name this Edouard Manet painting depicting a crowd in the title Parisian gardens.

ANSWER: ***Music in the Tuileries Gardens***

7. In Frithiof's Saga, Hølge puts an arm-ring from Volund's tomb on a statue of this god; Frithiof himself gets exiled after trying to remove the ring and burning down one of this god's temples. This god was the only member of the Aesir who did not attend Aegir's banquet. In a myth recorded by Saxo Grammaticus, this god is defeated after Miming the satyr gives his enemy a magical sword. This god partly titles an Eddic poem in which Odin, in disguise as Vegtam, awakens and questions a dead *volva*; that poem is set after he has mysterious bad (*) dreams. Vafthrudnir was unable to identify what Odin whispered to this god as he was carried to his gigantic ship, Hringhorni. This god gave the ring Draupnir to Hermod, who rode to Hel on his behalf, but was unable to obtain a reprieve for him because Thokk refused to mourn. For 10 points, name this Norse god of light who was slain with a piece of mistletoe.

ANSWER: **Baldr**

8. Murphy and Good characterized the transition region between the Nordheim-Fowler model and a model named after Richardson-Dushman and sometimes this man. Pointed tungsten crystals coated with zirconium oxide are often used in emission guns that reduce the work function with an applied electric field in his namesake effect. This man names a phenomenon in which image charge buildup as charge carriers approach a metal-semiconductor causes a reduction in the (*) barrier height. Due to a much higher reverse saturation current, another of his namesake devices requires a much lower forward bias to achieve similar currents as a p-n junction diode. To maintain neutrality, the removal of a cation or an anion gives rise to intrinsic crystal defects named after this man who isn't Frenkel. For 10 points, name this solid state physicist.

ANSWER: Walter **Schottky** [do not accept the similar sounding "Shockley"]

9. A contemporary musician who primarily plays this instrument gained fame with the album *Tuskegee Experiments* and revived interest in the klezmer music of Mickey Katz. Another player of this instrument recorded his "Interlude in B-flat" along with a string quartet and three rhythm instruments, and also composed the Judaism-inspired "Nightmare" and a popular cover of (*) "Begin the Beguine." Its early players from New Orleans included Jimmie Noone and Johnny Dodds, and today, it is the primary instrument of Don Byron. A more famous player of this instrument hired the black pianist Teddy Wilson into his trio to create the first integrated jazz group. That musician was the main attraction in Carnegie Hall's first jazz concert in 1938, where he performed "Sing, Sing, Sing." For 10 points, name this instrument played by Artie Shaw and the "King of Swing," Benny Goodman.

ANSWER: jazz **clarinet**

10. When this character plays the pianoforte in front of her future husband, he hears her "without raptures" and only pays her "the compliment of attention." Later, this character accepts a gift of a horse from Somersetshire that has been specially bred to hold a woman. She is put at ease by Mrs. Jennings's comments about the bad weather since they make her believe that her beloved has been stuck in the rain. This woman becomes interested in a man living at Allenham, although he (*) breaks her heart by getting engaged to Miss Grey. While taking a walk in the rain with her sister Margaret, this character injures her ankle and is brought home by a man to whom she later gives a lock of her hair, Mr. Willoughby. She eventually marries the thirty-five year old Colonel Brandon. For 10 points, name this Jane Austen character that represents "sensibility"

in contrast to her sister Elinor's "sense."

ANSWER: **Marianne** Dashwood [or **M**arianne **Dashwood**; prompt on **Dashwood**]

11. This book reports on a fictional lecture by Professor Challenger, who describes the “double articulation” of strata in a chapter titled “The Geology of Morals.” It’s not by Goffman, but this work discusses a concept of “faciality” which decodes and overcodes. This book opens with an image of sheet music by Sylvano Busotti, in which odd scribbles extend across five musical staves, and describes artificial groupings of ideas or things called “assemblages,” which may contain a “line of flight” that induces deterritorialization. This book contrasts the “war (*) machine” with “nomadology” and supplants the Western model of hierarchical, binary-based “arborescent” thought with multiplicities of ideas called “rhizomes.” Like its predecessor volume, it often mentions the enigmatic “body without organs.” For 10 points, name this work of theory whose sections can be read out of order, written by Felix Guattari and Gilles Deleuze as a successor volume to *Anti-Oedipus*.

ANSWER: A *Thousand Plateaus: Capitalism and Schizophrenia* [or *Mille plateaux*; prompt on *Capitalism and Schizophrenia*]

12. During this mission, Doppler radio measurements, wind speed data, and 350 pictures were lost due to the failure to turn on Channel A. A penetrometer used during this mission impacted at roughly 4-5 meters per second and suggested that its probe hit a water-ice pebble. That probe confirmed Chandrayaan-1's discovery of small amounts of water on the surface of the destination moon, and this mission's orbiter contained the largest amount of plutonium ever launched into space. This mission produced seventy-two minutes of transmissions that showed a shoreline (*) and a river delta, and in 2012, it made the closest ever flyby over the south pole of Enceladus. For 10 points, name this doubly-eponymous joint NASA, ESA, and ASI mission in which one craft descended onto the surface of the Saturnine moon Titan in 2005, and which is scheduled to end with the crash of another craft into Saturn in 2017.

ANSWER: Cassini-Huygens Mission [prompt on “Cassini” or “Huygens”]

13. Michele Turner collected oral testimonies from victims of this period into a book called “Telling” the country in which it occurred. A minor incursion preceding this period killed a group of Australian journalists called the Balibo Five. During this period, Yorkshire Television reporter Max Stahl videotaped a massacre of protesters marching to a tomb in (*) Santa Cruz cemetery. Carlos Filipe Ximenes Belo and Jose Ramos-Horta won the Nobel Peace Prize for trying to resolve the violence of this period, during which FALINTIL, the military arm of FRETILIN, resisted an invasion supported by Henry Kissinger. For 10 points, name this bloody period from 1975-1999 that began when Suharto invaded a neighboring island nation.

ANSWER: the Indonesian occupation of East Timor [or the East Timor war; or the East Timor genocide; or Suharto's invasion of East Timor; or equivalents]

14. The second layer of screaming demons in Selfridge's pandemonium model describes these objects, which relay information to complex or cognitive demons. Mach bands, which demonstrated the on-center/off-surround nature of retinal cells, were used by two scientists to describe the perceptual fields of these objects. Those winners of the 1981 Nobel Prize in Medicine, Hubel and Wiesel, proposed the ice cube model of the visual cortex and conducted an experiment to demonstrate the existence of these cells. That experiment studied these cells in (*) cats in the visual cortex and established the existence of orientation-selection, a response to lines projected at specific angles. In the somatosensory cortex, these cells differentiate between such things as contact area, motion across skin, and joint angles to process tactile information. Simple visual cells such as edge detectors are, for 10 points, what specialized cells housed in sensory cortices that break down complex stimuli into simple cues such as colors or lines?

ANSWER: feature detectors

15. In this novel, a woman named “Good News” hangs herself after giving birth to twenty-seven children for a clairvoyant polo player who kept her continuously pregnant. Maulana Dawood serves as a spiritual advisor in this work, in which Rani knits an unflattering portrait of her husband in a shawl. A dumbwaiter serves Chunni, Munnee, and Bunny, the three mothers of this novel's anti-hero, who is wrongly accused of killing General (*) Hyder. One character in this novel kills 218 turkeys before transforming into a white panther and going on a killing spree, and then bursts into a fireball. Iskander Harappa is modeled after Zulfikar Ali Bhutto in this novel, in which Dr. Omar Khayyam Shakil's wife is kept sedated in an attic. For 10 points, name this Salman Rushdie novel in which Sufiya absorbs other people's feelings of disgrace.

ANSWER: *Shame*

16. Blindfolded neophytes throw a flower onto one of these objects before taking a ritual bath in the Kechien Kanjo ritual. The two major types of these objects, corresponding to the “womb world” and “thunderbolt world,” are *garbadhatu* and *vajradhatu*. Metal funnels called *chakpurs* are used to create some of these objects that are ritualistically destroyed soon after completion. The ten books of the (*) Rig Veda are named for these objects, which are often made out of colored sand in Tibet. Their design helped inspire Carl Jung’s theory of the unconscious, and they consist of concentric triangles, squares, and circles. For 10 points, name these circular diagrams that represent the universe in Hinduism and Buddhism.

ANSWER: mandalas

17. One work by this composer features a “Grand Hysterical Scene” that imitates the mad scenes of *bel canto* opera, and that piece is one of two that this composer wrote for seven instrumentalists and three vocalists, each of whom embodies a set of five emotional states identified by the composer. In addition to *Aventures* and *Nouvelles Aventures*, he wrote a piano etude in which one hand silently holds down some keys, resulting in gaps in the other hand’s figuration. In another etude, the left hand plays only black keys while the right hand plays only white. Those etudes are “Touches bloquées” and “Désordre.” He referred to a Karl Popper essay in the title of his piece (*) *Clocks and Clouds*, and a prelude for twelve car horns opens his only opera. That opera tells of Nekrotzar’s arrival in Breughelland to announce the impending apocalypse. This composer pioneered a musical texture in which a dense web of moving lines creates a mass sound, which he termed “micropolyphony.” For 10 points, name this composer of the opera *Le Grand Macabre*, whose works *Lux Aeterna* and *Atmosphères* were featured in *2001: A Space Odyssey*.

ANSWER: György Ligeti

18. The first of these people was a native of the West Indies who was convicted of theft and went on to wound the warrior Pemulwuy. Another of them stressed non-violence and tied pink ribbons to his horses. In addition to Black Caesar and “Teddy the Jewboy Davis,” they included a man who was killed after telling a maid to go take care of Christina McPherson; that one was Dan Morgan. The first feature-length film in world history was made about one of these people. That author of the (*) Jerilderie Letter was captured after Sergeant Steele took advantage of his unprotected legs. The most famous of these people was wounded in a confrontation at Glenrowan while wearing armor made of cast iron. For 10 points, name these Australian highwaymen whose numbers included Ned Kelly.

ANSWER: Bushrangers [or Australian highwaymen until it is read; prompt on highwaymen]

19. This poet’s disintegrating marriage inspired a poem that complains, “for your arrogance and your ruthlessness, I am swept back where dead lichens drip dead cinders.” Another poem by this author is spoken by shepherds who note that they “fled inland to their flocks,” but return to the sea and claim, “We have always known you wanted us.” A third poem by this writer concludes by asking if the title flower can “drip such acrid fragrance, hardened on a leaf?” This author of “The Helmsman” and “Sea Rose” also wrote a *roman a clef* that represents (*) her lover, Frances Gregg, as Fayne Rabb. This author’s best-known poem tells the sea, “whirl your pointed pines” and “cover us with your pools of fir.” This author of *HERmione* often took subjects from classical myth, as in the long poem *Helen in Egypt* and the shorter poems “Eurydice” and “Oread.” For 10 points, name this imagist poet who typically went by her initials.

ANSWER: Hilda Doolittle [or H.D.; I guess Richard Aldington is also true of that first clue, so accept that until “shepherds” is read]

20. Zinc and this element’s tetrathiol complexed with ammonium can be used to prevent copper uptake in the treatment of Wilson’s disease. In addition to cerium, Seebach’s staining reagent contains phosphoacids of this element, and although it’s not tungsten, compounds of this element are used to catalyze the first step of a process which involves the hydrogenation of high-volatile bituminous coal to form synthetic liquid hydrocarbons. That is the Bergius process. Solution B of Masson’s trichrome also contains this transition metal. Alkylidenes of this metal are part of a catalyst system developed by Schrock for (*) olefin metathesis, but they were later replaced by ruthenium-based Grubbs’s catalyst. Along with iron, this metal atom is in the catalytic site of the enzyme xanthine oxidase. In a cluster containing iron and sometimes vanadium, this element helps to fix nitrogen in bacteria. For 10 points, name this transition metal notably found in the active sites of nitrogenase enzymes.

ANSWER: Molybdenum [or Mo]

21. The protagonist of this novel is rescued from the unwanted courtship of Mr. Wilmot by another character who takes her to see a Van Dyck painting. The servant Benson aids the main character after her spouse orders the disposal of her painting supplies. Ralph Hattersley reforms himself by this novel's end and becomes a renowned horse breeder and a loving husband to Millicent. Early in this work, the protagonist is courted by a man of at least forty that she refers to as "Bore'em." That protagonist puts tartar-emetic in her son's wine in order to condition that character to dislike alcohol and avoid being like his father. This novel begins as a letter to (*) Jack Halford, and the writer of that letter, Gilbert Markham, mistakenly believed that his love interest married Mr. Hargrave, but discovers that the protagonist's brother Lawrence had married Esther Hargrave. For 10 points, name this novel in which Helen Graham is the titular denizen of the titular place, a work of Anne Brontë.

ANSWER: *The Tenant of Wildfell Hall*

1. It is sometimes viewed as a detriment incurred by a person making a promise or a benefit received by the other person. For 10 points each:

[10] Name this inducement to enter into a contract that is adequate to ensure the promise is enforceable in court.

ANSWER: **consideration**

[10] According to Article 2 of this act, firm offers do not require consideration to be enforceable if they are signed by the offeror. This set of rules has been adopted at least in part in all fifty states and attempts to unify laws governing its namesake transactions.

ANSWER: **Uniform Commercial Code** [or **UCC**]

[10] Article 9 of the UCC governs these transactions in which personal property is taken as collateral. These transactions become enforceable when they attach and can be perfected when a finance statement is filed.

ANSWER: **Secured transactions**

2. This faith stresses the cultivation of the Xinxing and teaches that space aliens that arrived on earth in 1900 control world leaders. For 10 points each:

[10] Name this Chinese spiritual movement, known as the Practice of the Wheel of Dharma, that has been persecuted as a cult by the Chinese government.

ANSWER: **Falun Gong** [or **Falundafa**]

[10] Part of the dharmashastra tradition is this Hindu text, consisting of the rules given by a namesake sage to the rishis after they survive a cataclysmic flood.

ANSWER: the **Laws of Manu** [or the **Manu Smriti**]

[10] According to the Laws of Manu, the life of a twice-born Hindu should be divided into these four 27-year stages. They divide a Hindu's life into stages as student, householder, hermit, and *sannyasi*.

ANSWER: **ashrama**

3. This battle was a result of lingering animosities from the Convention of Kutahya. For 10 points each:

[10] Name this 1839 battle in southeast Anatolia. Ibrahim Pasha's Egyptian forces soundly defeated the Ottomans at this battle, but British and Austrian intervention stopped them from carving up the Ottoman Empire.

ANSWER: Battle of **Nizip** [or **Nezib**]

[10] The victor at the Battle of Nizip, Ibrahim Pasha, was the son of this viceroy of Egypt. This Albanian ruled his country independently from Ottoman authority, began modernizing it, and founded its last dynasty.

ANSWER: **Muhammad Ali** Pasha [or **Mehmet Ali**]

[10] The loser at the Battle of Nizip was this Ottoman sultan, who ruled until 1839 and initiated the Tanzimat reforms that his son Abdulmecid I carried out.

ANSWER: **Mahmud II**

4. This thinker labeled the grounds for judgment and action as *mu*. For 10 points each:

[10] Name this Japanese philosopher who attempted to assimilate Western philosophy into Eastern philosophical traditions in his book *A Study of Good*.

ANSWER: Kitaro **Nishida**

[10] Nishida's thought was the starting point for this school of Japanese philosophy, named for the university at which Nishida taught.

ANSWER: **Kyoto** School

[10] Nishida's concept of *mu* is analogous to this concept in western philosophy, which Jean-Paul Sartre contrasted with "being."

ANSWER: **nothingness**

5. At the end of this novel, the Aubrey family is saved from financial ruin by the revelation that Mrs. Aubrey has lied about the value of the family's paintings. For 10 points each:

[10] Name this Rebecca West novel narrated by Rose Aubrey. It describes Rose's family's involvement in a murder trial, as well as an encounter she and Mrs. Aubrey have with a poltergeist.

ANSWER: The **Fountain Overflows**

[10] Rebecca West is almost certainly better known for this lengthy travelogue describing her journey through Yugoslavia, which often includes laudatory digressions on Serbian history.

ANSWER: **Black Lamb and Grey Falcon**

[10] Virginia Woolf recalls being shocked at her friend Z angrily calling West an "arrant feminist" in this long essay titled for what Woolf argues a woman needs to write fiction.

ANSWER: A **Room of One's Own**

6. The biosynthesis of these compounds from phenylalanine proceeds through a 4-coumaroyl CoA intermediate. For 10 points each:

[10] Name this class of polyphenolic antioxidants which include quercetin and the anthocyanins. They generate a yellow pigment that attracts pollinators, although they are not xanthophylls.

ANSWER: bio**flavonoids**

[10] *Rhizobia* respond to flavonoids by releasing these acylated compounds, which allow the bacteria to enter the legume root-hair and begin nitrogen fixation.

ANSWER: **Nodulation factors**

[10] These other polyphenols include a "phloro" form that is present only in brown algae. The leaching of these compounds from bogs gives wetlands their murky appearance.

ANSWER: **tannins**

7. In a painting by this artist, a man in a blue turban holding a spear grasps the arm of the first title character while the other title characters receive payments. For 10 points each:

[10] Name this Nazarene painter of *Joseph Sold by His Brothers*, who also created the *Rose Miracle of St. Francis* for the Portiuncula Chapel in Assisi.

ANSWER: Johann Friedrich **Overbeck**

[10] Overbeck created a series of illustrations of this poem. An Anthony van Dyck painting inspired by this poem shows a putto preparing to shoot an arrow at a woman placing garlands on a sleeping warrior.

ANSWER: **Jerusalem Delivered** [or **Gerusalemme Liberata**]

[10] Like Overbeck, this artist painted a series on the *Seven Sacraments*. An early French Neoclassicist, he also painted *The Plague at Ashdod* and *Et in Arcadia Ego*.

ANSWER: Nicolas **Poussin**

8. The title character of this film had directed movies called *Ants in the Plants* and *Hey Hey in the Hayloft*. For 10 points each:

[10] Name this movie starring Joel McRae and Veronica Lake in which the title director lives among the poor to research a movie entitled *O Brother, Where Art Thou?*.

ANSWER: **Sullivan's Travels**

[10] *Sullivan's Travels* was a movie by this director of *The Lady Eve* who talked Harold Lloyd out of retirement to star in *The Sin of Harold Diddlebock*.

ANSWER: Preston **Sturges** [or Edmund Preston **Biden**]

[10] Sturges' movie *The Lady Eve* starred Henry Fonda and this actress who talks Fred MacMurray's Walter Neff into murdering her husband in the Billy Wilder film *Double Indemnity*.

ANSWER: Barbara **Stanwyck**

9. Umemoto used this computational technique to construct phase diagrams of magnesiosilicates to predict key differences in the cores of Saturn and Jupiter. For 10 points each,

[10] Name this technique founded on the two theorems of Hohenberg and the Nobel prize winning Kohn proving that the electron density uniquely determines the Hamiltonian operator and that the variational method works for trial electron densities.

ANSWER: density functional theory [or DFT]

[10] LDA or the local density approximation is the zeroth order approximation to the density based on the Thomas-Fermi model of this kind of system under a constant external potential. The Drude model is based on this type of system.

ANSWER: electron gas [accept Fermi gas; accept free electron gas]

[10] LDA ignores exchange-correlation effects in the Kohn-Sham equations, unlike GGA or other higher rungs of this man's Jacob's ladder of DFT functionals. Possibly the most heavily cited living physicist, this man estimated many exchange-correlation effects and names functionals such as PBE and PW91.

ANSWER: John Perdew

10. This man agreed to a ceasefire following the Zurich-London treaties. For 10 points each:

[10] Name this colonel who led EOKA, a resistance movement against Britain that sought to unify his country with Greece.

ANSWER: Georgios Grivas [or Digenis]

[10] Georgios Grivas attempted to bring about a union between Greece and this island, which became independent in 1960. The Green Line divides its Greek and Turkish-dominated segments.

ANSWER: Cyprus

[10] Late in life, Georgios Grivas founded EOKA B, a resistance movement against this Cypriot president after he refused to pursue *enosis*. This clergyman was the first president of the Republic of Cyprus.

ANSWER: Archbishop Makarios III

11. This character is cared for by the Norwegian sisters Martine and Philippa after fleeing Paris following an uprising that killed her husband and son. For 10 points each:

[10] Name this character who uses the 10,000 francs she wins in a lottery to celebrate the 100th birthday of Martine and Philippa's father.

ANSWER: Babette

[10] *Seven Gothic Tales* and "Babette's Feast" are works of this Danish woman, who used a male pen name for an account of her life in Kenya, *Out of Africa*.

ANSWER: Isak Dinesen [or Karen Blixen]

[10] This story in Dinesen's *Seven Gothic Tales* tells of the impotent Prince Potenziani, who gets his friend Count Nino to take his place and impregnate his wife; unfortunately, the Prince's wife switched with a friend too.

ANSWER: "The Roads Round Pisa" [or "The Roads Around Pisa"]

12. The Dobbs modification of this named organic reaction uses a blocking reagent to synthesis the namesake product without a substituent at position 7. For 10 points each:

[10] Name this synthesis reaction of indole rings, a treatment of substituted nitrobenzene with a Grignard reagent.

ANSWER: Bartoli indole synthesis

[10] In the Dobbs modification, the reaction begins with a bromine-group ortho to the nitro-group on the arene, and the bromine is removed by the reaction of this radical initiator compound with the substrate in a subsequent step. This symmetric radical initiator involves a central imino group and evolves nitrogen gas, producing two 2-cyanoprop-2-yl radicals.

ANSWER: AIBN [accept: azo-bisisobutyronitrile]

[10] A famous scientist with this name names another indole synthesis where an arylhydrazine reacts with an aldehyde or ketone under acidic conditions. Another scientist with this name names a titration which is used to detect the amount of water in a sample.

ANSWER: Fischer

13. This figure wrote against the “corrupt style” of oratory and advocated a return to the standards of Cicero. For 10 points each:

[10] Name this Roman teacher of Latin who described the five departments of rhetoric in his *Institutio Oratoria*.

ANSWER: Quintilian [or Marcus Fabius Quintilianus]

[10] Quintilian criticized the educational influence of this Roman author, who wrote a number of extremely bloody closet dramas like *Thyestes* and *Hercules Furens*.

ANSWER: Lucius Annaeus Seneca [or Seneca the Younger]

[10] Seneca the Elder wrote a collection of these rhetorical exercises, persuasive speeches in which a student tried to convince a historical figure to take a course of action or not; for instance, a student might try to convince Caesar to cross the Rubicon or Cato to get married.

ANSWER: suasoriae [prompt on descriptive answer]

14. This man succeeded Mozart as organist of Salzburg Cathedral, and his 1771 *Requiem* was an influence on Mozart's *Requiem*. For 10 points each:

[10] Name this composer of *Missa Hispanica* who was the younger brother of a better known composer.

ANSWER: Michael Haydn

[10] Michael Haydn was the teacher of this composer, who wrote his *Sechs Fughetten* under Haydn. This composer of the one act opera *Abu Hassan* also composed *Konzertstück* for piano and orchestra.

ANSWER: Carl Maria von Weber

[10] One of Weber's piano pieces is this D-flat major “rondeau brillante” in the form of a waltz. Berlioz produced an orchestral version to be inserted into a Parisian production of *Der Freischütz*.

ANSWER: Invitation to the Dance, op. 65 [or Aufforderung zum Tanz]

15. This essay collection discusses the paradoxical strategy to sell John McCain as “not-for-sale” in “Up, Simba” and describes the annual *Adult Video News* awards in “Big Red Son.” For 10 points each:

[10] Name this 2006 essay collection whose title piece discusses a trip to a food festival in Maine and asks whether it is right to inflict pain on the title creature in order to eat it.

ANSWER: Consider the Lobster

[10] This very, very long novel by the author of *Consider the Lobster*, David Foster Wallace, is titled for a video called “The Entertainment” whose viewers become so engrossed that they forget to do anything but watch it.

ANSWER: Infinite Jest

[10] The star of the title film in *Infinite Jest* is this girl, who runs a radio show called “60 min +/-” under the name Madame Psychosis and wears a veil to hide her face.

ANSWER: Joelle van Dyne [or Joelle van Dyne; or the Prettiest Girl of All Time]

16. It was co-chaired by Senator John Tower, who refused to sign his name to its final report. For 10 points each:

[10] Name this 1975 committee, chaired by a namesake Idaho senator, that investigated American intelligence-gathering operations and revealed that the CIA maintained stocks of shellfish toxin.

ANSWER: Church Committee

[10] The Church Committee was convened partly in response to Seymour Hersh's revelation of these documents in 1974. They showed that the CIA was doing some not-so-great things like putting journalists under surveillance and opening people's mail.

ANSWER: Family Jewels

[10] Seymour Hersh first came to prominence by exposing the cover-up of this incident from the Vietnam War, in which William Calley and “Charlie Company” raped and massacred residents of a namesake village.

ANSWER: My Lai Massacre

17. The Krenaiai are a group of nymphs beneath this larger heading that live in fountains. For 10 points each:

[10] Name these nymphs, who were generally the children of river-gods, and who were the guardians of sources of fresh water like rivers and springs.

ANSWER: **Naiads**

[10] This Naiad tried to escape the river-god Alpheus by fleeing from Elis to Syracuse, where she turned into a namesake holy spring.

ANSWER: **Arethousa**

[10] This woman is sometimes considered a Naiad because she names a river near Thebes. She imprisoned her niece Antiope for having sex with Zeus, but Antiope's sons, Amphion and Zethus, vengefully tied her to an angry bull's horns.

ANSWER: **Dirke** [or **Dirce**]

18. This character uses his Hoveround to fend off a mob including Alf in a trench coat, Menorah the Explorer, and human traffic cones from chasing a man who just broke off his marriage to Anderson Cooper. For 10 points each:

[10] Name this giant 300-pound Chinese baby who wears tinted aviator glasses and spins records with his little ravioli hands.

ANSWER: **DJ Baby Bok Choi**

[10] DJ Baby Bok Choi can be found along with Germphs and a Teddy Ruxpin wearing mascara at Taste, one of the many bizarre clubs described by this Bill Hader-played city correspondent on *Weekend Update*.

ANSWER: **Stefon**

[10] Along with puke people and cholos, club Ounce has a sheepdog that looks like this former Hollywood Squares participant. This man has been the head writer for the Oscars since 2000.

ANSWER: Bruce **Vilanch**

19. This man invented a new form of bearbaiting with no bear involved--instead, an ape was harnessed to the back of a tied-up donkey, and dogs were released to attack that donkey. For 10 points each:

[10] Name this Puritan preacher who lent his name to 1653's Nominated Parliament.

ANSWER: Praise-God **Barbon** [or Praise-God **Barebone**; or Praise-God **Barebones**]

[10] Barebone's Parliament was the successor to this English parliament, composed of the members of the Long Parliament who were not purged by Thomas Pride.

ANSWER: the **Rump** Parliament

[10] Another prominent Parliamentarian was Henry Ireton, who promoted this constitutional agreement during the Putney Debates. This compromise proposed a constitutional monarchy tolerating both Puritans and Anglicans.

ANSWER: The **Heads of the Proposals** [or the **Heads of Proposals**]

20. The first of these theorems states that, for a group G and a prime p , if p to the k divides the order of G , then G has a subgroup of order p to the k . For 10 points each:

[10] Name this set of three theorems credited to a Norwegian mathematician, the second and third of which give properties of p -subgroups of maximal order.

ANSWER: **Sylow** theorems

[10] One sylow theorem states that all p -subgroups of a group G have this property with respect to each other. If H and K are such subgroups, this property ensures that there exists an element a in G such that a, K, a inverse equals H .

ANSWER: **conjugate**

[10] Another important theorem of group structure states that every group G is isomorphic to a subgroup of the symmetric group S sub G . Its namesake also names a formula for the number of trees on n nodes, equal to n to the n plus 2.

ANSWER: **Cayley's** theorem

21. This east bank tributary of the Rhine is formed by the confluence of its White and Red branches near Kulbach.
For 10 points each:

[10] Name this German river that flows through Bamberg, Wurzburg, and Aschaffenburg.

ANSWER: **Main** River

[10] This city is located on the Main north of the Main's confluence with the Rhine at Mainz. This birthplace of Goethe has a city hall that meets in a medieval building called the Romer.

ANSWER: **Frankfurt** am Main

[10] The Frankfurt Stock Exchange is the location of this German stock market index similar to the Dow Jones Industrial Average. This index's components include BMW, Deutsche Bank, and Adidas.

ANSWER: **DAX** [or **Deutscher Aktien IndeX**]