

Questions on the Crum VIII, 1999

Tossups by Matt Schneller, Bryce Avery, University of Oklahoma, and Case Western

1. His name means “gas-in-the-belly,” and he liked to impale the women he impregnated on long stakes. He rose to power after the breakup of the Mthethwa Confederacy and the death of his patron, Dingiswayo, and he introduced new military techniques like the use of a short spear and a horn-shaped flanking attack. In 1828, he went crazy when his mother died, and his half-brother and anointed successor, Dingane murdered him. For ten points, name this founder of the Zulu nation.

Answer: Shaka

2. For non-Newtonian melts of these compounds, Trouton’s ratio is greater than 3. The Williams-Landel-Ferry equation relates their viscosity at a given temperature to their glass transition temperature, and the Flory-Rehner equation determines whether these compounds are safe to make in bulk or in smaller quantities in solution. They come in several types: linear, branched, and cross-linked are the most common. For ten points, identify these large compounds that consist of many small, repeating molecules.

Answer: polymers

3. Born in 1842, he called his principle investigative method “partial equilibrium analysis.” He rarely wrote, but this economist developed the theory of marginal utility in his book Principles of Economics. John Maynard Keynes wrote a biographical study of him, and most of Keynes’s early work was based on this fellow Englishman’s ideas. For ten points, name this man who popularized the term economics and helped found the Marginalist School of economic thought.

Answer: Alfred Marshall

4. One saint by this name was nicknamed “the bearded.” He headed an army that put down the Peasant’s Revolt, but then led his soldiers against Lutherans. The better known saint with this name died near Lydda, Palestine. When he was chopped up, his corpse bled milk and was revived by God three times. In 1222, the Council of Oxford ordered that his feast day, April 23, be celebrated as a national holiday. For ten points, identify this patron saint of England who bravely slew a dragon.

Answer: Saint George

5. A dog who thinks it is a space alien, a computer named Simuvac that simulates environmental catastrophes, and a drug named Dylar that removes the fear of death all appear in this novel. Its hero is Jack Gladney, a professor at the College on the Hill who is chair of the department of Hitler Studies and whose three wives all have connections to the CIA. For ten points, name this 1985 National Book Award winner by Don DeLillo.

Answer: White Noise

6. George Abbot, Jerome Wideman, and Sheldon Harnick wrote a 1959 musical about him. His first political job was as an American consul in Croatia, and the final position he held was Director of the United Nations Relief and Rehabilitation Administration. In between, he worked as an interpreter on Ellis Island, and he won election to Congress where he passed a bill with

George Norris. For ten points, name this man who also served three terms as mayor of New York City and is the namesake of a New York airport.

Answer: Fiorello _La Guardia_

7. Its lower register depicts saints, apostles, and martyrs, who all approach an altar and an octagonal fountain. Completed in 1432, in it God sits on a throne, flanked by Mary, John the Baptist, Adam and Eve, and a choir of angels accompanied by Saint Cecilia at her organ. Located in the Cathedral of Saint Bavon, this polyptic is inscribed with a quatrain that states it was begun by one painter and completed by a second. For ten points, identify this altarpiece that contains the painting _Adoration of the Lamb_, painted by Hubert and Jan van Eyck.

Answer: _Ghent Altarpiece_

8. Its classes include Polychaeta which contains about 5300 marine and luminescent species, Oligochaeta with about 3100 species that live in freshwater or inhabit the soil, and Hirudinea, with about 300 species that mostly live in freshwater but are also marine or terrestrial. Members of this phylum exhibit bilateral symmetry and often have segmented bodies with parapodia and setae. For ten points, identify this phylum best known for its most common member, earthworms.

Answer: _Annelida_

9. One was released on February 23 and debuted at number 18 on the American pop charts; it shares its name with its ninth track, a quick-paced duet between Coolio and Deborah Harry. The other was published in 1944; its characters include a lesbian postal worker, a wealthy beauty who committed infanticide, and a French Resistance deserter. For ten points, give the common title of these works, one the first album released in 16 years by Blondie and the other a one-act play by Jean Paul Sartre.

Answer: _No Exit_

10. He worked as a field doctor for the White Army, and he combined this experience with his love for his home city of Kiev to write _The White Guard_ and _Notes of a Young Country Doctor_. In 1925, he wrote a comic novella about Professor Philip Philipovich entitled _Heart of a Dog_, but his best known work was published posthumously and includes the characters Professor Woland and Behemoth, a cigar-smoking cat. For ten points, name this author of _The Master and Margarita_.

Answer: Mikhail _Bulgakov_

11. He remarked, "There is no doubt that the first requirement for a composer is to be dead." A student of Vincent d'Indy and a member of Les Six, he blended avant-guard dissonance, a technique he used in his musical depiction of a steam engine called _Pacific 231_, and classical counterpoint which he used in his oratorio _Le Roi David_. For ten points, identify this composer of _Joan of Arc at the Stake_, _Rugby_, and the opera _Judith_.

Answer: Arthur _Honegger_

12. A cross, a diamond, a cross inscribed by a circle, and a cross inscribed by a diamond are the only symbols besides names, dates, and punctuation that appear on it. To its south sits a 60 foot flagpole and a sculpture by Frederick E. Hart, and nearby is one by Glenna Goodacre. In 1981, a

jury of architects, sculptors, and critics selected it from 1421 proposals, but its design only earned its creator a B in her Funerary Architecture class. For ten points, identify this polished granite monument designed by Maya Lin.

Answer: _Vietnam Veterans Memorial_

13. This constellation is unique because almost all the ancient peoples agreed upon what animal it was. The Egyptians worshipped its stars because the Sun was in this constellation when the Nile flooded. Its hip is Coxa, its neck is Algieba, its tail Denebola, and its heart is Regulus. For ten points name this constellation, which, according to the Greeks, was placed in the sky after being killed by Hercules to complete his first labor.

Answer: _Leo_

14. He was born in Dover Ohio, and he worked as a schoolteacher until he moved to Kansas in 1858 under the alias Charles Hart. A friend of Jesse James, he first gained notoriety by shooting an abolitionist and was commissioned a Confederate captain in 1862. On August 21, 1863, to capture Senator Jim Lane, he led his men into Lawrence, Kansas where they shot nearly 150 men and women and looted the town's money and whiskey. For ten points, identify this man whose namesake Raiders terrorized the border states until he was killed by Union soldiers in 1865.

Answer: William Clarke _Quantrill_

15. It was originally a Doctor Who script that the BBC rejected, and its author gave the Doctor's role to three characters from his previous books and replaced the TARDIS with a couch. In it, a race of xenophobic beings create homicidal androids to gather the parts they need to ensure their release from planetary confinement. The androids travel through space to recover these elements which include the ashes from a cricket game. For ten points, name this Douglas Adams novel, the third in his _Hitchhiker_ series.

Answer: _Life, the Universe, and Everything_

16. Born in 1748, at age six he could speak Latin and French, and he entered Oxford at age 12 where he studied law. With his fellow Philosophical Radicals, he founded the _Westminster Review_, and in 1832, he entered University College, the school he helped found, but never left except for that time when King's College used his mummified head for Rugby practice. For ten points, name this man whose clothed skeleton still sits in the University and who is the founder of utilitarianism.

Answer: Jeremy _Bentham_

17. Born in 1908, he disagreed with the functionalist assumption that social phenomena must be explained by finding their hidden utilitarian functions. Instead, this Frenchman claimed that many important forms of behavior have no literal utility at all and their significance is revealed only when they are related negatively to other social phenomena within the same cultural system. By doing this, he moved Saussure's linguistic methods into the realm of social sciences. For ten points name this Structuralist, who wrote _The Savage Mind_ and _Elementary Studies of Kinship_.

Answer: Claude _Levi-Strauss_

18. To keep Luçon bishopric within his family, he quit the army at age 22 to become its bishop. In 1628, however, he returned to the battlefield and personally led the siege of La Rochelle. Born Armand Jean du Plessis, he entered politics in 1614 when he served in the Estates-General. There he won the favor of Marie de Medicis who made him prime minister in 1624, but six years later conspired to remove him. For ten points, name this long-time advisor to Louis XIII who championed the absolutism of the French Monarchy.

Answer: Cardinal Armand Jean du Plessis, Duc de Richelieu

19. Acquired by the Ottomans from Venice in 1657, it is the 186 square mile island upon which the Ottoman Empire signed an armistice with the Allies in 1918. In myth, the blinded Orion was attracted there by the sound of a Cyclops's hammer, the Greeks left Philoctetes there because his arrow wound smelled so bad, and its women killed their husbands and ruled it until the Argonauts arrived. For ten points, identify this Greek "island of fire" whose capital is Mirina.

Answer: Lemnos or Limnos

20. Published in 1764, its characters include a talking skeleton and the Knight of the Gigantic Sabre. In it, Conrad is crushed beneath a giant helmet on the night of his wedding to Isabella, so his father Prince Manfred decides to divorce his wife and marry Isabella himself. Suspecting that she is in love with the peasant Theodore, Manfred tries to stab her, but kills Matilda, his own daughter, instead. Then the ghost of Alfonso appears and declares Theodore his real heir. For ten points, identify this gothic novel by Horace Walpole whose events happen in the title abode.

Answer: The Castle of Otranto: A Gothic Story

21. Also called Omacatal and Yoatl, he was the god of feasts and the protector of slaves. To worship him, revelers ate maize effigies of him. Depicted with a black stripe on his face and a smoking mirror on his chest, he seduced the beautiful goddess of flowers. Also god of night and the north, his major animal symbol was the jaguar. For ten points, name this Aztec and Toltec deity who is the eternal enemy of Quetzalcoatl.

Answer: Tezcatlipoca

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1. FTPA, identify these Napoleonic battles.

a) British General Arthur Wellesley and Prussian Field Marshal Blucher inflicted 40,000 casualties upon Napoleon's army, driving it across the Sambre River.

Answer: Battle of _Waterloo_

b) On June 18, 1800, Austrian general Michael von Melas attacked Napoleon north of Genoa. Napoleon fell back, but counterattacked after he received reinforcements, and defeated the Austrians.

Answer: Battle of _Marengo_

c) Fought on December 2, 1805, this battle is also called the Battle of the Three Emperors. After repelling a joint Russian and Austrian attack on his flanks, Napoleon attacked the Allied center and inflicted 25,000 casualties.

Answer: Battle of _Austerlitz_

2. FTPA, identify these plays by Aristophanes.

a) Strepsiades sends his son, Phedippides, to Socrates' Thinkery so Phedippides will learn sophistry and be able to persuade his dad's creditors that Strepsiades owes them nothing.

Answer: The _Clouds_

b) The slave Cleon the Paphlagonian is well-loved by his master Demus. Then his fellow slaves Demosthenes and Nicias find a Sausage-Seller who persuades Demus to hate Cleon.

Answer: The _Knights_

c) Praxagora and the title characters turn Athens into a socialist state where ugly people are paired with gorgeous partners so sex is equally distributed between the ugly and the beautiful.

Answer: The _Assembly-Women_

3. FTPA, answer the following questions about transition metal organic chemistry.

a) Because of their partly filled d or f shells, transition metals can react with many molecules or groups. What is the general term for the compound transition metals react with?

Answer: _ligand_

b) The ligands donate electrons to the metal, forming what type of compound characterized by highly polar covalent bonds?

Answer: _complexes_

c) When a metal involved in a complex has fulfilled the 18-electron rule, it is said to be what, meaning it has a completely full valence shell?

Answer: _coordinatively saturated_

4. 30-20-10. Identify the artist from works.

30) _Madonna of the Rose Garlands_ ; _The Seven Sorrows of the Virgin_

20) _Saint Jerome in his Study_ ; _Knight, Death, and the Devil_

10) _Melancholia I_ ; _Four Horsemen of the Apocalypse_

Answer: Albrecht Durer

5. 5-10-15. Name these nearly invincible Greek heroes.

a) His mother Thetis made him invulnerable everywhere except around his ankle, the place where Paris shot him.

Answer: Achilles

b) His mother Althaea made a deal with the Fates: He would live so long as a particular log remained unburned. When he killed her brothers, however, she tossed the log into the flames.

Answer: Meleager

c) This Thessalonian was invulnerable to weapons. At the battle of Lapiths, the Centaurs defeated him by crushing him beneath a mass of pine trees.

Answer: Caeneus

6. FTPA, fill in the blanks to complete the titles to these Troy McClure films.

a) __(blank)__: the Man With Hydraulic Arms

Answer: Hydro

b) The __(blank)__ Adventures of Hercules

Answer: Erotic

c) The President's __(blank)__ is Missing!

Answer: Neck

7. FTPA, answer these questions about the 1898 massacre of an army of Muslim tribesmen in the Sudan.

a) What was the name of this battle, where over 11,00 Muslims under Abdullah et Taaisha were killed?

Answer: Omdurman

b) The massacre was a retaliatory attack for the massacre of a British army led by Charles Gordon at what city in Sudan?

Answer: _Khartoum_

c) The Muslims lost 11,000 men. Within ten, how many British troops were lost at Omdurman?

Answer: _28_ (accept 18 - 38)

8. 5-10-15. Answer these questions about reagents.

a) What organomagnesium compounds are named for their French discoverer who shared the 1912 Nobel prize in chemistry?

Answer: _Grignard_ reagents

b) What rule is most succinctly stated as “in an electrophilic attack on a double bond, the positive part of the reagent goes to the carbon that has more hydrogens?”

Answer: _Markovnikov’s_ Rule

c) What occurs at a tetrahedral carbon atom during an SN2 reaction, when the entry of the reagent and the exit of the departing group occur simultaneously?

Answer: _Walden inversion_

9. FTPA, identify these books by Thomas Keneally.

a) This book won Keneally the 1982 Booker Prize. It was retitled to share name of the Oscar-winning film based upon it.

Answer: _Schindler’s Ark_ or _Schindler’s List_

b) This novel is about Ralph Clark, a British lieutenant who is sent to colonial Australia as a prison supervisor where he directs a drama starring his prisoners.

Answer: _The Playmaker_

c) Its title character is the son of a white father and an Aboriginal mother. His white employers exploit him, and his white wife betrays him.

Answer: _The Chant of Jimmie Blacksmith_

10. 5-10-15. Give the code name for these WWII operations.

a) The code name for the Allied invasion of north Africa.

Answer: Operation _Torch_

b) The code name for Hitler’s aborted invasion of Britain.

Answer: _Sea Lion_

c) The code name for the Allied invasion of Sicily.

Answer: Operation _Husky_

11. FTSNOP, answer these questions about late director Stanley Kubrick.

5) What is the title of what is now his last film? Kubrick's producers may edit out scenes so it gets an R rating instead of an NC-17.

Answer: _Eyes Wide Shut_

10) What science fiction film about a robot boy who tries to become human had Kubrick had been working for many years before _Eyes Wide Shut_?

Answer: _A. I._ or _Artificial Intelligence_

10) What is Kubrick's only film to ever win an Oscar?

Answer: _2001_: A Space Odyssey (for special effects)

5) While shooting _The Shining_, Kubrick got into a public feud with what director who was shooting a film in the same studio? Kubrick's daughter had complained to her dad about this man's mistreatment of snakes on his set.

Answer: Steven _Spielberg_ (the film was _Raiders of the Lost Ark_)

12. FTPA, identify these Black American authors from works.

a) _Uncle Tom's Children_ ; _American Hunger_ ; _Black Boy_

Answer: Richard _Wright_

b) _Tell Me How Long the Train's Been Gone_ ; _Go Tell It on the Mountain_ ; _Giovanni's Room_

Answer: James _Baldwin_

c) _Preface to a Twenty Volume Suicide Note_ ; _The Baptism_ ; _Dutchman_

Answer: Imamu Ameer _Baraka_ or Amiri _Baraka_ or (Everett) Leroi _Jones_

13. FTPA, name these rulers of Israel.

a) This first Israelite king was the son of a landowner named Kish. He committed suicide after the Philistines defeated him in a battle on Mount Gilboa.

Answer: _Saul_

b) This son of Solomon and caused the division of Israel by levying heavy taxes. Jeroboam revolted against him, founding the new kingdom of Israel and leaving this man as king of Judah.

Answer: _Rehoboam_

c) Elijah anointed this chariot driver and son of Jehosaphat king of Israel. He killed Jezebel and King Ahab's entire lineage.

Answer: Jehu

14. FTPA, identify the following about variable stars.

a) Henrietta Leavitt of Harvard University first postulated the period-luminosity relationship of this type of star. The longer the period of these yellow supergiants, the greater their average luminosity.

Answer: Cepheid variable

b) This term denotes a binary star system that is not determinable telescopically, but must instead be discerned from the red shift of the two stars' spectral lines.

Answer: spectroscopic binaries

c) This type of binary star system occurs when one of the stars in a binary system is considerably darker than the other. When it passes in front of the brighter star, it darkens the system's absolute luminosity.

Answer: eclipsing variable

15. FTPA, identify these Abstract Expressionists from works.

a) Baptismal Scene ; Number 10 ; Four Darks in Red

Answer: Mark Rothko

b) Asheville ; Woman ; Excavation

Answer: Williem de Kooning

c) Mahoning ; Dahlia

Answer: Franz Josef Kline

16. FTSNOP, identify the royal houses to which these monarchs belonged.

5) King Henry IV of France

Answer: Bourbon

10) King Henry IV of England

Answer: Lancaster

5) King Frederick II of Prussia

Answer: Hohenzollern

10) Holy Roman Emperor Frederick II

Answer: _Hohenstaufen_

17. 5-10-15. Name these Egyptian deities.

a) This brother and husband of Isis had green skin because he drowned in the Nile and returned to bring life-giving crops. A story about his life was performed annually at Abydos.

Answer: _Osiris_

b) This jackal-headed deity ruled Egypt's western desert and invented embalming. He was the god of the dead and weighed the hearts of dead people against the feather of truth.

Answer: _Anubis_

c) This cat-goddess ruled over love and all things feminine. She carried a sistrum, an Egyptian percussion instrument, in her right hand and a small bag over her left arm.

Answer: _Bast_ or _Bastet_ or _Ubasti_

18. FTPA, I'll give you the Roman name for a city, and you tell me its modern name. Hint: the ancient and modern names share the same first letter.

a) Lugdunum

Answer: _Lyon_

b) Mediolanum

Answer: _Milan_

c) Massilia

Answer: _Marseilles_

19. FTPA, identify these letters in English sign language made by

a) Making the shape of that letter with the pinky.

Answer: _J_

b) Making the shape of that letter with the index finger?

Answer: _Z_

c) Crossing the middle finger over the index finger?

Answer: _R_

20. 5-10-15. Identify these bodies of water.

a) With the Kattegat and the Oresund Straits, it connects the North and Baltic Sea. It separates Norway and Jutland.

Answer: _Skagerrak_

b) About 100 miles long and 20 miles wide, this strait connects the Pacific Ocean to Puget Sound near Vancouver.

Answer: Strait of _Juan de Fuca_

c) It lies between the Kuril Islands, Kamchatka, and Hokkaido. It is about 590,000 square miles and freezes over in the winter.

Answer: Sea of _Okhotsk_
