

KICK: ASS

Washington University in St. Louis – April 15, 2000

Packet by Roger Bhan

Toss-Up Questions

1. He killed the leader of a mutinous crew in 1773 and added his last name to avoid British authorities. Congress awarded him a gold medal in 1787 during his last visit to the U.S. He was scheduled to command the *America*, but it was presented to France instead. After commanding the *Alfred* in 1775, he was made a captain and given command of the *Providence*. He commanded the *Ranger* before acquiring the *Duras*, which he gave a more famous name, until it was sunk in a battle with the *Serapis*. FTP, identify this U.S. naval hero that commanded the *Bonhomme Richard* to victory.

Answer: John Paul Jones

2. His admiration for traditional aesthetics is expounded in his famous essay *In Praise of Shadows*. Known primarily as a novelist, his early period of works concentrate on the Japanese culture's sense of feminized beauty, such as in *The Makokia Sisters*, *A Portrait of Shunkin*, and *Some Prefer Nettles*. His early and later novels concentrate on the psychic forces rooted in human sexuality, such as in *The Key*, and *Tattoo*. Considered by many to be Japan's greatest modern writer, FTP, identify this author of *Diary of a Mad Old Man*.

Answer: Jun'ichirō Tanizaki

3. The weak variety is concerned with the conditions necessary for conscious life on earth and asserts that numerical relations found for fundamental constants have to hold at the present epoch because at any other epoch there would be no intelligent life form to measure the constants. The strong variety is concerned with all possible universes and whether intelligent life could exist in any other universe, including the possibilities of different fundamental laws of physics. FTP, identify this principle of science that states that the observable universe has to be as it is, otherwise we could not observe it.

Answer: anthropic principle

4. The son of Kasyapa and Aditi, he gave Arjuna the magical Gandiva bow and two inexhaustible quivers for allowing him to devour a forest. His consort is Svaha and he is sometimes considered the father of Skanda. He has wild, black hair and bears seven arms, three legs, red skin, and seven fiery tongues. His face is constantly smeared with ghee from consuming them in all the ritual fire sacrifices. FTP, identify this major deity, the fire god of Hindu mythology.

Answer: Agni

5. He probably trained under the Dutch painter Karel van Mander. He spent all his life in Haarlem, the Netherlands, finding patronage with the wealthy burghers of his time. As his style matured, he replaced the bright colors of his early years with a more monochromatic treatment, as in his last group portrait, *Regentesses of the Old Men's Almhouse* from 1664. His early works display a brighter vivacity, as demonstrated in such works as *Jester with a Lute* and *Gypsy Girl*. FTP, identify this Dutch portrait artist most famous for his *The Company of St. George* and *The Laughing Cavalier*.

Answer: Franz Hals

6. It began with the pretext of claiming an unpaid dowry. The claim for land was based on a law of the duchy of Brabant that provided for the transfer of property. French armies under Henri de La Tour d'Auvergne, vicomte de Turenne invaded the Spanish Netherlands and occupied the Spanish-ruled territory of Franche-Comté. The conflict resulted from the fact that Marie Thérèse, the daughter of Philip IV of Spain, had renounced her claim to Spanish dominions in return for a large dowry. FTP, identify this war of 1667-68 that ended by the Treaty of Aix-la-Chapelle.

Answer: War of the Devolution

7. We learn of him through a traveler from an antique land. A sculptor knew his passions well and displayed them in his half sunk, shattered visage, whose frown and wrinkled lip bore a sneer of cold command. The lone and level sands stretch far away around the decay of his colossal wreck, which lie near two trunkless legs of stone in the desert. On the pedestal of his former statue are the words "Look on my works, ye Mighty, and despair!" FTP, identify this subject of a poem by Percy Bysshe Shelley.

Answer: Ozymandias

8. In this technique, a usually gaseous sample is ionized and the positive ions produced are accelerated into a high-vacuum region containing electric and magnetic fields. These fields deflect and focus the ions onto a detector. The fields can be varied in a controlled way so that ions of different types can impinge on the detector. A graph is thus obtained consisting of a series of peaks of variable intensity to which mass/charge values can be assigned. FTP, identify this technique in chemistry used to determine the relative atomic masses and abundance of isotopes in a sample.

Answer: mass spectroscopy

9. He studied in St. Petersburg and published his two-volume *System of Sociology* before coming to the U.S. He founded and chaired the first sociology department at Harvard in 1930 and it was there that he developed his most famous theories. He stated that human interactions involved three elements: human actors, values that guide a human's conduct, and material phenomena that were conductors for behavior. He is most famous for his theories on social dynamics and traveling between social strata. FTP, identify this pioneering sociologist, the author of *Social and Cultural Mobility*.

Answer: Pitirim Sorokin

10. Its members came from the bands Bad Radio and Green River, both small-time acts that toured the San Francisco and Seattle scenes, respectively. Bad Radio's singer left the band to write poetry, while Green River broke up and several members joined with singer Andrew Wood to form Mother Love Bone. After Andy died from a drug overdose, bassist Jeff Ament and guitarist Stone Gossard got in touch with the ex-singer from Bad Radio and formed this band. With albums such as *Yield*, *No Code*, and *Vitalogy*, this is, FTP, what Seattle band with such hits as "Even Flow" and "Jeremy?"

Answer: Pearl Jam

11. It was administered by the Technical Cooperation Administration, created by Congress in 1950 with the responsibility of maintaining the operation. Through this program, the U.S. participated in the planning, realization, and evaluation of technical cooperation projects in agriculture, health, education, resources, development, and transportation. The foreign-aid activities this plan started are now carried out by the Agency for International Development. FTP, identify this program coined in Harry Truman's inaugural address as the fourth of "four major courses of action."

Answer: Point Four Program

12. It predicts the existence of a heavy particle with spin 0, the Higgs boson. In this theory, the gauge group is non-Abelian and the gauge symmetry is a broken symmetry. The observation of its intermediate vector bosons in 1984 was a major success of this theory, first proposed in 1969 by Steven Weinberg, Abdus Salam, and Sheldon Glashow. The W boson and the Z boson are the carriers of this gauge theory sometimes called QFD, or quantum flavordynamics. FTP, identify this theory that unifies two of the fundamental forces.

Answer: electroweak theory (accept QFD or quantum flavordynamics on early buzz)

13. The title character occasionally quarrels with his gloomy, coarse servant Zakhar. Always dressed in the ubiquitous robe and slippers that become part of his character, his estate falls into ruin as he continually slips into the reveries that become his primary task. He accedes to marrying Agafya Pshenitsyna because she is rich and he can live through her income, even though he loves Olga Ilinskaya. Olga ends up marrying his efficient and astute business friend Andrey Shtolts, and the title character sinks into financial ruin and dies. FTP, identify this 1859 work, the best-known novel of Ivan Goncharov.

Answer: Oblomov

14. The first ones, based on the trivium and the quadrivium, were organized in Saxony in 1528, and the most influential one in Strassburg was placed under the leadership of German educator Johannes Sturm in 1538. They saw a decline in the late 16th century due to a rivalry with Jesuit schools. These schools were revitalized in the 18th century, however, and they began to teach science and mathematics as well as classical antiquities. Currently, the term applies to any German preparatory high school. FTP, identify these secondary schools based on a Greek model.

Answer: Gymnasium or Gymnasien

15. The indigenous people of this island are known collectively as Shirazi, to distinguish them from more recent African arrivals, and are descended from Hadimu, Tumbatu, and Pemba peoples. Smaller cities on this island include Chwaka, Kizimkazi, and Mkokotoni. The capital city, named after the island, contains the famous Stone Town section, a tourist attraction. This island once supplied 90 percent of the world's cloves, but now supplies only 10 percent. FTP, identify this African island that, in 1964, merged with Tanganyika to form the nation of Tanzania.

Answer: Zanzibar

16. The islanders claimed that because they and their ancestors had lived in the Murray Islands since before Europeans arrived, they were entitled to own the islands. Led by a teacher and leader in the Meriam community, a lawsuit was drawn against Queensland, but the natives of the Murray Islands were ruled against. After several appeals, the High Court of Australia ruled in favor of the Meriam, stating that the Aborigines had a right to the land that they had lived on for centuries. FTP, identify this 1992 Australian court case that claimed Aborigines have the right to claim their ancestral lands.

Answer: Mabo Case (accept Mabo v. Queensland)

17. Also called histiocytes and clasmatocytes, these cells are similar in structure to the reticuloendothelial cells, though they are mobile and are not just found inside the lining of blood vessels. Characterized by an agranular cytoplasm and a horseshoe-shaped nucleus, these cells develop from monocytes and ingest bacteria and cell debris. Found in the spleen, lymph nodes, liver, and many other tissues, FTP, identify these large phagocytic cells.

Answer: macrophages

18. It existed in four incarnations, the last of which ran from 1959 to 1962. During its third incarnation, it published articles by leading radical thinkers such as John Dewey and Thorstein Veblen until 1920, when it became dedicated to avant-garde authors under the editorship of Marianne Moore. The second one was founded in 1860 by Moncure Conway in Cincinnati, but the first is definitely the most famous, having published the works of Theodore Parker, Bronson Alcott, and Ralph Waldo Emerson. FTP, identify the common name for this transcendentalist journal first edited by Margaret Fuller.

Answer: The Dial

19. When Wagner laid the cornerstone of his Festspielhaus at Bayreuth, he celebrated with a performance of this piece, which symbolized his desire to unify poetry and music. Lasting over an hour, the four

movements of this symphony are extraordinarily diverse. The first movement is long and involves much formal restraint, but leads into the second movement, a fiery Scherzo. The third movement is an incredibly spiritual Adagio, while the final movement realized Wagner's dream, as the chorus suddenly bursts into song with words from a poem by Schiller. FTP, identify this final symphony of Beethoven.

Answer: Ninth Symphony or Choral Symphony

20. Matter is primary; mind cannot exist without a material basis. Mind is not, however, identical with matter or reducible to it. Also, there are contradictions in nature and, through the conflict of opposites, change takes place. The pattern of conflict and resolution, involving the generation of a synthesis through a thesis and antithesis, largely resembles the philosophy of Hegel. FTP, identify this natural philosophy of Marxism developed by Friedrich Engels.

Answer: dialectical materialism (prompt on either dialectic or materialism)

21. Some of its fragments not incorporated into any of the major chapters include the *Hadhokht Nask*, or the fate of the soul after death; the *Nirangistan*, or specifications of ritual; and the *Aogemadaeca*, or the prospect of facing death. Its major chapters include the *Vendidad*, which contains myths, codes of purification, and religious observances; the *Visperad*, extensions to the liturgy; the *Khorda*, or book of common prayer; and the *Yasna*, containing hymns to Zoroaster. FTP, identify this religious book of Zoroastrianism.

Answer: Zend-Avesta

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Bonus Questions

1. Identify these musical terms FTPE.

- a) Literally a “sung piece,” this is an extended vocal work with an instrumental accompaniment that tells a story through the use of arias, recitative, and choruses.

Answer: cantata

- b) This is the strictest of contrapuntal forms in which the same melody is played or sung by two or more voices, each beginning slightly after the preceding one.

Answer: canon

- c) This is a sacred, unaccompanied choral composition. The text is usually in Latin, but is never taken from the liturgy.

Answer: motet

2. Identify the following businesses-related things featured on TV’s “Seinfeld” FTPE.

- a) When George tries to trick the unemployment agency into thinking he’s actually working, he tells them he’s a latex salesman for this company.

Answer: Vandelay Industries

- b) Kramer hires an intern from NYU to work with this fictitious firm of his.

Answer: KRAMERICA, Inc.

- c) George gets a job with this company under the premise that he is handicapped. His contract doesn’t allow them to fire him when they discover he isn’t.

Answer: Play Now

3. Identify the following concerning a certain Italian literary movement FTPE.

- a) From Italian for “the disheveled ones,” this mid-19th century avant-garde literary movement formed with the common objective to declare war against the classical, Arcadian, and moralistic traditions of Italian literature. Some of its major proponents included Clelio Arrighi, Emilio Praga, and Iginio Ugo Tarchetti.

Answer: La Scapigliatura

- b) Perhaps the most famous member of La Scapigliatura was this poet, librettist, and composer of the six-hour opera *Mefistofele*. He is best known as a librettist, however, having written for Verdi.

Answer: Arrigo Boito

- c) This 1881 novel by Giovanni Verga epitomized many of the ideals of La Scapigliatura. It portrays the titular Sicilian fisherfolk family and the provincial town of Aci-Trezza. The novel traces the downfall of the family seemingly doomed by fate.

Answer: I Malavoglia

4. Identify these various types of DNA from descriptions FTPE.

- a) This form of DNA is prepared in the laboratory using mRNA as a template, i.e. the reverse of the usual process of transcription in cells. The synthesis of this form of DNA is catalyzed by reverse transcriptase.

Answer: complementary DNA or cDNA

- b) This form of DNA is left-handed and results from a poly CGCGCG subunit. With twelve base pairs per turn, the phosphate backbone runs in a zigzag path.

Answer: zDNA

- c) In contrast to zDNA, this form of DNA is right-handed and contains many side-chains at random intervals along a DNA backbone. It figures prominently in AIDS and HIV research, as well as other diseases caused by retroviruses.

Answer: branched DNA or bdNA

5. Identify the following heartless Native American slaughters throughout the U.S.'s shameful history FTPE.

- a) The Black Hawk War of 1832 saw a massacre of the Sac and Fox at this site on August 3 after they had lost at a site near the Wisconsin River on July 21.

Answer: Bad Axe Massacre

- b) On November 29, 1864, Colonel John M. Chivington led a group of 700 armed soldiers to a peaceful Cheyenne village at this site in Colorado headed by Chief Black Kettle. The U.S. troops slaughtered several hundred Native Americans, mostly women and children.

Answer: Sand Creek Massacre

- c) When U.S. Army officials thought Sioux Chief Sitting Bull to be the instigator of an impending rebellion, they arrested him. His followers were pursued to this site in South Dakota where, on December 29, 1890 approximately 300 Sioux men, women, and children.

Answer: Wounded Knee Massacre

6. Identify these British economists from descriptions FTPE.

- a) His book *Value and Capital* discusses the equilibrium theory, according to which a balanced economy is produced by mutual cancellation of active forces. He shared the 1972 Nobel Prize in Economics with Kenneth Arrow.

Answer: Sir John Richard Hicks

- b) He began his studies in political economy, which he later gave the name economics. He systematized classical economic theories and developed a concept of marginal utility. He also emphasized the importance of detailed analysis and adjustment of theory to emerging facts in his 1919 work *Industry and Trade*.

Answer: Alfred Marshall

- c) He is known for his namesake plan, which was a blueprint for social security and a welfare state in the United Kingdom. He was knighted in 1919. Among his more famous works are *Social Insurance and Allied Services* and *Planning Under Socialism*.

Answer: William Henry Beveridge

7. Given a department of France, identify its capital city FTPE.

- a) Oise

Answer: Beauvais

- b) Rhône

Answer: Lyon

- c) Gironde

Answer: Bordeaux

8. Identify the following stock characters from the commedia dell'arte from descriptions FTPE.

- a) Always an emaciated old man in slippers, he could give sound advice to the young and fall in love like an adolescent.

Answer: Pantaloone

- b) Usually depicted as the daughter of Pantaloone, this maidservant is shrewd and vivacious. She was transplanted to English pantomime and was given a variety of new names.

Answer: Columbine

- c) Often invisible to all but Columbine, he is a rival of Pierrot for her love. This clown has a shaven head, wears a mask and parti-colored tights, and carries a wooden sword. His early name was Arlecchino, but was later changed to this.

Answer: Harlequin

9. Identify the following parts of a root FTPE.

- a) This is the part of a root system that develops into the root system. The tip is protected by a root cap and points towards the micropyle. On germination, it breaks through the testa and grown down into the soil.

Answer: radicle

- b) This is the region at the tip of a root in which cell divisions are continually occurring to produce new root tissue.

Answer: apical meristem

- c) These structures are swellings on the roots of certain plants that contain bacteria capable of fixing atmospheric nitrogen into ammonia, which is subsequently converted into nitrates and amino acids.

Answer: root nodule

10. Identify these battles of Alexander the Great FTPE.

- a) Tradition states that Alexander only lost 110 men at this 334 BCE battle near the ancient city of Troy. He defeated a Persian army with Greek mercenary forces totaling 40,000 men. After this battle, all of the states in Asia Minor submitted to him.

Answer: Battle of Granicus

- b) In 333 BCE, Alexander met Darius III at this site in northeastern Syria, and completely routed Darius' legendary army of half a million men. Darius fled the battle, leaving his mother, wife, and children.

Answer: Battle of Issus

- c) Darius III was defeated at this 331 BCE battle again after Alexander crossed the Tigris and Euphrates to meet him, en route to Babylon. Antiquity says that Darius' army numbered one million men, and he fled again after the battle, only to be killed by two of his own generals.

Answer: Battle of Arbela or Gaugamela

11. Identify the following concerning Jewish food laws FTPE.

- a) This is the term given to the body of Jewish food laws.

Answer: kashrut

- b) This term designates foods that are not acceptable by the standards of the kashrut. They include animals that chew the cud and have a cloven hoof. Also, fish must have both fins and scales.

Answer: terefah

- c) This is the common term given to food that is permitted by the kashrut.

Answer: kosher

12. Identify these German philosophers from works FTPE.

- a) *The Essence of Christianity*

Answer: Ludwig Andreas Feuerbach

- b) *The World as Will and Idea*

Answer: Arthur Schopenhauer

- c) *Aesthetics*

Answer: Alexander Gottlieb Baumgarten

13. Identify these Eugene O'Neill plays from brief plot description FTPE.

- a) Based off of Aeschylus' *Oresteia*, this trilogy of plays concerns Ezra Mannon, who is murdered by his wife's lover Adam Brant. His daughter, Lavinia, convinces her brother Orin to avenge their father's death by killing Brant, and their mother Christine commits suicide.

Answer: Mourning Becomes Electra

- b) This play deals with a white woman coping with her intellectually inferiority to her black husband by resorting to racial prejudice. This play helped undermine the literary convention of caricaturing black Americans.

Answer: All God's Chillun Got Wings

- c) The main character of this play, Nina Leeds, subconsciously hates her father. She becomes a nurse and marries Sam Evans, has an affair with Dr. Darrell, and passes off his child as Sam's.

Answer: Strange Interlude

14. Identify these eponymous effects in physics FTPE.

- a) This effect is described as the splitting of the lines in a spectrum when the source of the spectrum is exposed to a magnetic field.

Answer: Zeeman effect

- b) This is the splitting of lines in the spectra of atoms due to the presence of a strong electric field.

Answer: Stark effect

- c) This effect describes the ejection of an electron from an atom without the emission of an X- or gamma-ray photon, as a result of the de-excitation of an excited electron within the atom.

Answer: Auger effect

15. Identify these political terms from U.S. history FTPE.

- a) One of the major groups involved in the organization of the Free-Soil Party in 1848 was this radical faction of the New York Democrats who had broken with the state party when it came under control of the conservative Hunkers.

Answer: Barnburners

- b) From an Algonquian word meaning "a chief," this term was used to refer to dissident members of the Republican Party, who, in the presidential election of 1884, refused to support the nominee of their party, James G. Blaine, and supported Democrat Grover Cleveland instead.

Answer: Mugwumps

- c) This was a term of contempt applied by people from the North who traveled to the South during the Reconstruction era.

Answer: carpetbaggers

16. Identify these works by Carl Jung FTPE.

- a) With this publication, Jung declared his independence from Freud's narrowly sexual interpretation of the libido by showing the close parallels between ancient myths and psychotic fantasies and by explaining human motivation in terms of larger creative energy.

Answer: Psychology of the Unconscious

- b) This work dealt with the relationship between the conscious and unconscious and proposed the now well-known personality distinctions of introvert and extrovert.

Answer: Psychological Types

17. Identify the following from Japanese Shinto mythology FTSNOP.

- a) (5 points) She is considered the goddess of the sun and the chief deity of the Shinto pantheon.

Answer: Amaterasu

- b) (10 points) Identify the father of Amaterasu, the primordial god of the sky and heaven, who married his sister Izanami, who died giving birth to Amaterasu.

Answer: Izanagi

- c) (15 points) When Izanagi washed his nose, this god of winds, storms, and the ocean emerged. He ravaged the earth with his power, forcing Amaterasu to flee to a cave, depriving the world of light and goodness.

Answer: Susanowa

18. Identify these Shakespearean characters from descriptions FTPE.

- a) He holds forth at the Boar's Head Tavern with a rascally crew that includes Bardolph, Nym, Peto, Pistol, and Prince Hal's companion Poins.

Answer: Falstaff

- b) This comic constable in *Much Ado About Nothing* has a habit of confusing words. He and his crony Verges take Borachio into custody and fail to explain his wrongdoings to Leonato adequately, almost allowing Don John's plot to succeed.

Answer: Dogberry

- c) He is the lord of Vienna in the absence of Duke Vincentio in *Measure for Measure*. His austerity masks a violent inner nature and allows him to serve as the play's villain.

Answer: Angelo

19. Identify the following concerning a certain type of device FTPE.

- a) This is a device that produces an e.m.f. as a result of chemical reactions that take place within it. These reactions occur at the surfaces of two electrodes, each of which dips into an electrolyte.

Answer: voltaic or galvanic cell (prompt on battery)

- b) This is a voltaic cell in which the chemical reaction producing the e.m.f. is not satisfactorily reversible and the cell cannot therefore be recharged by the application of a charging current.

Answer: primary cell

- c) This is a type of primary voltaic cell with a copper positive electrode and a negative electrode of a zinc amalgam. The zinc-amalgam electrode is placed in an electrolyte of dilute sulfuric acid or

zinc sulfate solution in a porous pot, which stands in a solution of copper sulfate in which the copper electrode is immersed.

Answer: Daniell cell

20. Identify these treaties from European history FTPE.

- a) This treaty, concluded in 843, divided Charlemagne's empire between his three grandsons. Lothair I became the Holy Roman Emperor and received the central portion of the empire, Louis II was given control of Germany, and Charles the Bald was given France.

Answer: Treaty of Verdun

- b) This 1814 treaty was signed between Napoleon I and Britain, Russia, Austria, and Prussia. It ended the wars of coalitions that had been raging since 1803 and sent Napoleon into exile at Elba.

Answer: Treaty of Fontainebleau

- c) This peace settlement of 1923 was signed between the Allied Powers and Turkey. It recognized the modern boundaries of Turkey, which involved the surrender by Greece of eastern Thrace, and various other possessions. Kemal Atatürk demanded this treaty since he found the previous Treaty of Sèvres unacceptable.

Answer: Treaty of Lausanne

21. Identify these Cubists from works FTPE.

- a) *Large Nude; Violin and Pitcher; Harbor in Normandy*

Answer: Georges Braque

- b) *The Chessboard; Guitar and Bottle; Glasses and Newspaper*

Answer: Juan Gris

- c) *The Typographer; Nudes in the Forest; Soldier with a Pipe*

Answer: Fernand Leger