

GW Fourth Annual JCV Invitational

Johns Hopkins University A

(Questions by ??)

Tossup Questions

1. This material includes minerals such as gibbsite and diasporite and is a clay-like material composed mostly of hydrated metal oxides. Its name is derived from the location in France in which it was first found, and major U.S. deposits are in Arkansas and Alabama. FTP, name this material used for oil filtration, abrasives, refractories, brick, and especially as a source for alum and aluminum.

Answer: bauxite

2. He studied law, but classes bored him and he quit school. He made a few abortive attempts to educate the serfs on his estate, led a profligate life and joined the army, where he took up his literary career. Still later, he became an anarchist devoted to nonviolence, and a cult grew up around him. FTP, identify this author of *The Cossacks*, *Confession*, *The Kreutzer Sonata* and *The Death of Ivan Ilyich*.

Answer: Tolstoy

3. Its provisions remain binding, as 1960's disputes in Arizona and Baja California over water rights were settled by its provisions. However, Article VIII has consistently been violated by invalidations of land-grants to Mexican Americans. FTP, name the treaty which obligated the U.S. to pay \$15 million to Mexico and assume all claims of U.S. citizens, while Mexico ceded what is now almost the entire American southwest.

Answer: Treaty of Guadalupe Hidalgo

4. John Speke and Richard Burton were the first Europeans to see it in 1858. Its only outlet is the Lukuga River which is often silted up, causing varying water levels. Ports include Albertville, Kigoma and Bujumbura. FTP, name this second deepest lake in the world, the second largest in Africa, famous as the location of the encounter between Stanley and Livingstone.

Answer: Lake Tanganyika

5. This author studied archaeology for a year in Rome, which inspired his works *The Woman of Andros* and *The Ides of March*. He is most known for dramatic works, and his *The Merchant of Yonkers*, revised to *The Matchmaker*, was the basis for "Hello, Dolly!" He partly adapted *Finnegan's Wake* to New Jersey for *The Skin of Our Teeth*, while creating the New Hampshire town of Grover's Corners as the setting for *Our Town*. FTP, name this American writer.

Answer: Thornton Wilder

6. Cerenkov radiation is produced when something moves faster in a medium than light can in the same medium and a sonic boom is produced when an airplane travels faster than the speed of sound. Both are examples of, FTP, what type of phenomenon, produced when a source of waves moves faster than the waves themselves?

Answer: Shock Waves

7. He was a priest who preached to the Jews of the Babylonian captivity. His book of the Bible centers on the fall of Jerusalem, giving both prophecies of its destruction and the vision of the restored temple. FTP, what is this prophetic book of the Hebrew Bible, named for its putative author.

Answer: Ezekiel

8. As of January 8th, he, David Robinson, and Karl Malone were the only three players who were averaging 20 points and 10 rebounds a game. He has played all five positions and recently scored a career high 49 points in a loss against Washington. FTP, identify this second year small forward from Kentucky, who Rick Pitino has made a priority of resigning for his Boston Celtics after the season.

Answer: Antoine _Walker_

9. It appeared about 1650 and exists in two types, French and the more prominent German. Valves were added in the early 1800's. The German variety is built in F or in B-flat, and its range extends from the third B below middle-C to the second F above. FTP, identify this symphonic instrument, a circular hunting horn whose pitch is altered by insertion of the hand into the bell.

Answer: _French Horn_ (yes, there is a French French horn)

10. His thought can be described as nominalism because it holds that universals are simply names. This philosopher emphasized individuals as the sole reality and that God's power was not bound by physical and moral laws. Tried for heresy in 1324 but not condemned, he was later excommunicated. FTP, name this "Venerabilis Inceptor" at Oxford who claimed "a plurality is not to be posited without necessity", known as his razor.

Answer: William of _Ockham_

11. At this book's beginning, the evil Dong Zhuo usurps the throne, Lu Bu is the mightiest man in the land, the Peach Garden Oath is sworn, and the Yellow Scarves are terrorizing the countryside. FTP, name this 14th-century historical novel which describes the states led by Sun Quan, Cao Cao, and Liu Bei and the military strategy and tactics of Zhu Ge Liang.

Answer: _Romance of the Three Kingdoms_

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(Accept SAN GUO YAN YI)

12. A moderate liberal, he favored a constitutional democracy in a unitary state and free market economies. He entered the international arena during the Crimean War, and got France to agree to help Sardinia if Austria attacked them. His military expeditions led to the Kingdom of Italy in 1861, and he died a few days later. FTP, name this Sardinian prime minister, the founder of Il Risorgimento.

Answer: Count Camillo di _Cavour_

13. In Great Britain, these are a series of symbols that are stamped on articles of gold or silver to denote conformity to legal standards of alloy fineness. In the United States, we know it as a company which sponsors a Sunday Hall of Fame movie once a month. FTP, identify the common name.

Answer: _hallmark_

14. Despite its name, this creature is quite shy and lies quietly on the bottom of shallow tropical ocean waters. The venom of this creature can cause an irregular heartbeat or can even cause the heart to stop, especially if a person is wounded in the abdomen. FTP, name this large flat creature which has a long, whip-like tail with a poisonous spine.

Answer: _Stingray_

15. After becoming involved in a relationship, she can no longer condemn Barbara for getting herself pregnant. She unwittingly poisons her mother with what she believed was a sleeping draught in order to meet with her lover, who also killed her brother Valentine under her window. However, she is saved nevertheless. FTP, name the woman whom Faust seduces in Goethe's tragedy.

Answer: _Gretchen_ (or _Margaret_ or _Margarete_)

16. "The Tiger of Faluja", he was descended from the fellaheen. A nationalist committed to ending British rule, he and General Nguib co-founded the Free Officers' Society after El Alamein to overthrow King Farouk. FTP, name the Pan-Arabist leader responsible for building the Aswan High Dam and nationalizing the Suez Canal, the president of Egypt from 1956 to 1970.

Answer: Gamal Abdel _Nasser_

17. He apprenticed under Francisco de Herrera the elder and later Pacheco, whose daughter he married. By the age of 25, he was the court painter of Spain. He made several visits to Italy, where he bought many masterpieces for the royal collection. FTP, who is this painter of Christ and the Pilgrims of Emmaus, Coronation of the Virgin and his

only nude, the Rokeby Venus.

Answer: Diego Rodriguez de Silva y _Velasquez_

18. Willy Tan, a prominent local businessman, has graciously hosted key Republican leaders like House Majority Whip Tom DeLay, on expensive junkets, in an effort to stop a bipartisan attempt to impose Federal labor law on this territory. FTP identify this island group, a former U.S. Trust Territory, with a capital of Saipan.

A: Commonwealth of the _Northern Mariana_ Islands
(prompt on "Mariana")

19. Her body was like alabaster, her wings white as snow, and her hair of fiery gold. She was a winged Goddess who flew about the battlefield choosing the winners and rewarding them with glory and the chance for further battle. FTP, name this Greek goddess who was also called 'Bestower of Victory'.

Answer: _Nike_

20. Its atmosphere is composed of 94% hydrogen and 5% helium. With a diameter approximately 9.4 times that of the earth itself, it is located 888,210,00 miles from the sun, FTP, name this planet whose 17 moons make it the planet with the most satellites.

Answer: _Saturn_

21. They are numbered, the numbers indicating angle of loft. A standard set includes a brassie, a spoon, a baffy, a cleek, a midiron, a mashie, a mid-mashie, a mashie-iron, a mashie, a spade mashie, a mashie niblick, a niblick, a wedge, a driver, and a putter. FTP, identify these pieces of sporting equipment used by Lee Janzen and Constantino Rocca.

Answer: _golf clubs_

22. Made from the mud created by the spittle of Ra, it was created by Isis to end his reign and allow Osiris to take his place. Feared and respected by the ancient Egyptians for the deadly power it represented, it was worn as the symbol of royalty by the pharaohs. FTP, name the Egyptian term for the first cobra.

Answer: the _Ureus_

23. Although a pair of hyenas can have offspring by themselves, the number that they can raise is greatly increased by the presence of siblings who act as helpers. However, the siblings must sacrifice their own reproduction in the process. The male drones in an ant colony are all genetic clones who work for the queen which produced them, the only ant capable of reproduction. FTP, what is the biological term that explains this phenomenon?

Answer: _Inclusive Fitness_ (or the _Selfish Gene_)

24. Four books in this form were published, in 1846, 1871, 1872 and 1877. The author was also a landscape painter, and his drawing ability provided lively illustrations for his work. Examples of this form are "The Jumbles," "The Dong with the Luminous Nose," "The Owl and the Pussy Cat," and various limericks. FTP, name the verse form present in titles of four books by Edward Lear?

Answer: _Nonsense_

25. This type of dog comes in three breeds: standard, miniature, and giant. The miniature breed is classified as a terrier; the other two are classified as working-dogs. Seen in paintings as early as the 15th century, it was originally used as a guard dog. They have heavily whiskered muzzles, and hard wiry coats that are either black or salt and pepper. FTP, identify this German dog.

Answer : _schnauzer_

Bonus Questions (by Johns Hopkins A)

1. Name the following areas which were once part of Germany for 10 points each.

a) It was a major industrial area and was taken by Frederick the Great from Austria in the War of the Austrian Succession. Its capital, Breslau, is now the Polish city of Wroclaw.

Answer: Silesia (or Schlessien)

b) Famously mentioned in Winston Churchill's "Iron Curtain" speech, this Baltic city is now in Poland.

Answer: Stettin

c) The capital of East Prussia and the coronation city of Prussian kings, it is now the detached Russian city of Kaliningrad.

Answer: Koenigsburg

2. For the stated point values, given the languages, name the language family:

5: Akkadian, Amharic, Arabic, Aramaic, Hebrew

Answer: Semitic

10: Kannada, Malayalam, Tamil, Telugu

Answer: Dravidian

15: Kongo, Swahili, Xhosa, Yoruba, Zulu

Answer: Niger-Kordofanian

3. For 10 points each, name the following benzene-derived compounds from a description of their chemical structure or, for 5 points each, a description of how they are used.

a) 10: It consists of a benzene ring with a methyl group and three nitrous (NO₂) groups, two adjacent and one opposite to the methyl group.

5: It is used as a high explosive, and is abbreviated TNT.

Answer: Tri-Nitro-Toluene (prompt if TNT is given)

b) 10: It consists of a benzene ring with a carboxyl group and an acetyl group adjacent to each other.

5: It is the active ingredient in aspirin.

Answer: Acetyl-Salicylic Acid

c) 10: It consists of two benzene rings, each with a carboxyl group from which the hydrogen has been removed and the free oxygen atoms are joined to each other.

5: It's the active ingredient in "Clearasil" and "Oxy 10" products.

Answer: Benzoyl Peroxide

4. Name the American poet from work for the stated point values.

5: "Miniver Cheevy"

Answer: Edwin Arlington Robinson

5: "The Vision of Sir Launfal"

Answer: James Russell Lowell

10: "Anecdote of the Jar"

Answer: Wallace Stevens

10: "The Death of The Ball Turret Gunner"

Answer: Randall Jarrell

5. For the stated point values, give the better-known one-word names of the following Italian painters from their real names:

a) 5: Michelangelo Merisi Answer: Caravaggio

b) 5: Alessandro Filipepi Answer: Boticelli

c) 10: Antonio Allegri Answer: Correggio

d) 10: Francesco Mazzola Answer: Parmigianino

6. Name the following straits:

a) For 5 points, it connects the Persian Gulf with the Gulf of Oman.

Answer: Strait of Hormuz

b) For 10 points, it separates French Corsica from Italian Sardinia.

Answer: Strait of Bonifacio

c) For 15 points, it separates Japanese Hokkaido from Russian Sakhalin.

Answer: La Perouse Strait

7) Identify the following important U.S. Supreme Court decisions for 10 points each:

a) In 1919, the court stated that freedom of speech and press were not unlimited, but could be restricted if "a clear and present danger" would be created.

Answer: Schenck vs. U.S.

b) In 1967, the court stated that anti-miscegenation laws (law against interracial marriage) were unconstitutional.

Answer: Loving vs. Virginia

c) In 1995, the court stated that federal programs that use racial classifications must be "narrowly tailored" to further a "compelling governmental interest", otherwise they may violate the equal protection clause and be unconstitutional.

Answer: Adarand Constructors vs. Peña

8. Many modern hip-hop songs use the chorus or the music of an older song. Given a recent hip-hop song, name the group that sang the original version for the stated point values:

10: "I'll Be Missing You" by Puff Daddy

Answer: The Police (Every Breath You Take)

15: "Feel So Good" by Mase

Answer: Miami Sound Machine (Bad Boy)

9. 30-20-10 Identify the scientist from clues.

30: He was an Austrian physicist who studied kinetic theory of gases, which explains the properties of gases by reference to the motion of their constituent atoms and molecules.

20: He derived a formula which gives the number of atoms or molecules with a given energy at a specific temperature.

10: He has a constant named after him, whose symbol is "k".

Answer: Ludwig Boltzmann

10. Identify the following characters from "The Lord of the Rings" for 10 points each:

a) The heir to the crown of Gondor and the line of Elendil, he is a Ranger.

Answer: Aragorn (or Strider)

b) The great wizard, first known as the Gray, then as the White.

Answer: Gandalf

d) Originally known as Smeagol, but corrupted by the Ring, he is instrumental in its destruction.

Answer: Gollum

11. Name the member of the Robert Kennedy clan for the stated point values:

5: This Congressman planned run for governor of Massachusetts was cancelled. Shattered Faith was a best seller about his first marriage's annulment.

Answer: Joseph Kennedy II

5: He was arrested in 1983 for heroin possession, but now as a teacher of environmental law is considered the "green" Kennedy.

Answer: Robert Kennedy Jr.

10: She was dubbed "the Nun" in her youth, and became lieutenant governor of Maryland in 1994.

Answer: Kathleen Kennedy Townsend

10: She works for Amnesty International and wed the son of the former New York governor in 1990.

Answer: Kerry Kennedy

12. 30-20-10, Name the historical figure.

30: This grandson of John of Gaunt built a famous observatory at Vilo de Infante.

20: In 1415, he led an expedition that conquered Ceuta in Morocco, though a later expedition to Tangier was a failure.

10: He financed voyages to the Canary Islands, the Azores and other destinations until his death in 1460.

Answer: Prince Henry the Navigator (of Portugal)

(prompt on "Henry" or "Prince Henry")

13. Name the opera from a description FTP each.

a) Set in Ancient Egypt, it describes the Egyptian captain Radomus who is loved by the title character and Amneris.

Answer: Aida

b) This opera tells of the dethroned king Turin and his son Calaf. The title character is a Chinese princess.

Answer: Turandot

c) The title character is a poet whose companion is Nicklausse and whose lover is Stella. The first of his stories is about a woman named Olympia.

Answer: Tales of Hoffman

14. Identify these dinosaur species FTP each.

a. The first dinosaur eggs and nests indicating nurturing parents were those of this dinosaur, found in Montana by Jack Horner, named after the Greek word for "good mother."

A: Maiaasaurus

b. Identify the largest dinosaur species ever exhibited, 75 feet long and 40 feet tall, which are the only sauropods with front legs longer than their rear legs.

A: Brachiosaurus

c. Living during the Jurassic, this precursor of the Tyrannosaurs was about 30 feet long. It had large, serrated teeth and curved claws, and may have attacked in packs. It has been found in western North America.

A: Allosaurus

15. For five points apiece and a five point bonus for all correct, name the capitals of the following African countries:

Burkina Faso - Ouagadougou

Mali - Bamako

Cameroon - Yaounde

Angola - Luanda

Malawi - Lilongwe

16. Name the following figures in the Indian independence movement for the stated point values:

5: This nationalist was the first prime minister of independent India. He was a co-leader of the Nonaligned Movement.

Answer: Jawarharlal Nehru

10: Called "The Great Leader" in Arabic, this Muslim Indian was the founder and first governor general of Pakistan.

Answer: Mohammed Ali Jinnah

15: This Bengali was the leader of the forward bloc of the INC party, was the commander of the Indian National Army and headed the Provisional Government of Free India.

Answer: Subhas Chandra Bose

17. Name the author from a created character FTPE. You will get five if you need the work.

a) 10: Julien Sorel

5: The Red and the Black

Answer: Stendhal or Marie Henri Beyle

b) 10: Hans Castorp

5: The Magic Mountain

Answer: Thomas Mann

c) 10: Saint Mael

5: Penguin Island

Answer: Anatole France

18. For ten points each, name the passing, rushing, and receiving leaders in touchdowns for the 1997 NFL football season.

Answer: Brett Favre, Karim Abdul-Jabbar, Cris Carter

19. Answer these questions about the Chunnel for the stated number of points each.

a. First, for five points each, which French and English prime ministers signed a treaty in 1986 which allowed the Chunnel to be built?

A: Margaret _Thatcher_ (UK) and Francois _Mitterand_ (France)

b. For ten points within five feet, five points within ten feet, on average, how many feet below the English Channel is the Chunnel?

A: 150 feet (145-155 gets 10 points, 140-160 gets 5 points)

c. Finally, for ten points, identify either the English city where the Chunnel begins, or the French city where the Chunnel ends.

A: _Folkestone, UK_ or _Coquelles, France_

20. Identify these scientific terms containing the word "gas" for the stated number of points.

a. First, F5P, symbolized by the letter R, it has a value of 8.3143 Joules per Kelvin-mole.

A: Universal _Gas Constant_

b. Secondly, FTP, it is any group of digestive hormones secreted by the wall of the stomach promoting secretion of acid from the gastric glands.

A: _Gastrin_

c. Finally, F15P, it is a method for separation of a gas sample into its components by forcing the sample through a column of a stationary gas or solid.

A: _Gas Chromatography_

21. Identify these recent best sellers based on a plot summary for 15 points each or for 5 if you need the author.

a. 15: It traces two stories, that of Inman, a Confederate soldier who faces a perilous journey home, and that of his girlfriend Ada, and her attempt with an orphan named Ruby to rebuild the farm her father owned.

5: Charles Frazier

A: _Cold Mountain_

b. 15: It deals with Alice Austen and the FBI Reachdeep team as they combat a weaponized virus terrorizing New York City made from smallpox and the common cold which causes victims to cannibalize themselves.

5: Richard Preston

A: The _Cobra Effect_

22. Identify these Francis's from European History FTP each.

a. First, identify the last Holy Roman Emperor and Emperor of Austria from 1804 to 1835, whose daughter Marie-Louise became Napoleon's wife in 1810.

b. His full name was Francesco di Pietro di Bernadone. Receiving the stigmata in 1224, he became the subject of a number of frescoes by Giotto and other early Italian Renaissance artists.

c. He reigned for 68 years, and it was his 1914 ultimatum to Serbia that resulted in World War I.

Answers: a) _Francis II, Emperor of the Holy Roman Empire_ or _Francis I, Emperor of Austria_ b) _Saint Francis of Assisi_ c) _Francis Joseph I_ or _Franz Joseph I_, Emperor of Austria and King of Hungary

23. Given the following equation of an ellipse: $(1/9)(x-3)^2 + (1/4)(y-2)^2 = 1$, find the following for five points apiece:

Length of the semi-major axis : _3_

Length of the semi-minor axis : _2_

The center of the ellipse: _(3,2)_

The eccentricity of the ellipse: $_{(1/3)\{(13)^{0.5}\}}$

The area of the ellipse: $_{6\pi}$

The perimeter of the ellipse: $_{2\pi(6.5)^{0.5}}$

24. For 5 points apiece, name the six elements in the last column of the periodic table.

Answers: Helium, Neon, Argon, Krypton, Xenon, and Radon

25. For 10 points apiece, name the three countries which border Paraguay.
Answers: Brazil, Argentina, and Bolivia

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