

**Vanderbilt Quiz Bowl  
Fall Collegiate Invitational**

**Round 9**

**Tossups**

1. **Born in Austerfield in 1590, as a child he attended religious services at William Brewster's house in Scrooby. He first assumed political (\*) importance after the death of John Carver in 1621. FTP, name this longtime governor of Plymouth Colony.**

**Answer:** William \_Bradford\_

2. **Pauli's matrices can be used to sort particles by this quantity. First proposed by Otto Stern and Walther Gerlach, it is quantized into units known as (\*) "h-bar" – basically, multiples of Plank's constant divided by 2 pi; leptons have a value of \_ . FTP, name the quantity represented by a lower-case s.**

**Answer:** \_spin\_ (accept: \_intrinsic angular momentum\_)

3. **"Micchhami Dukkadam" – my bad deeds are fruitless – is a traditional saying of this religion. It holds that "modifications" are the functional parts of "attributes," (\*) which are in turn the manifestations of "substances." FTP, name this Hindu-derived religion, founded by Bhagawan Mahavira, that teaches extreme nonviolence to all living things.**

**Answer:** \_Jainism\_

4. **You start at Tangetel and head northwest to Garinham. You can swing by Kol to snag some better armor, but the good stuff is guarded by an axe knight. After getting (\*) Erdrick's Armor, you proceed to save the princess from a green dragon, and build a bridge to get to the end boss. FTP, name this classic role-playing game.**

**Answer:** \_Dragon Warrior\_ I

5. **Vera Gangart and Lyudmila Dontsova staff the facility. One of the patients, Pavel Rusanov, has a serious but curable neck (\*) tumor, and main character Oleg Kostoglotov, too, is eventually cured. FTP, name the Siberian setting and you've named this medicinal book by Aleksandr Solzhenitsyn.**

**Answer:** The \_Cancer Ward\_ or \_Rakovy korpus\_

6. **The first part includes an introductory 'Pastoral Symphony,' while the third part includes the duet 'O Death, where is thy sting!' The generally melancholy second part includes the incongruously silly (\*) 'How beautiful are the feet.' FTP, name the Handel oratorio whose second part ends with the 'Hallelujah' chorus.**

**Answer:** \_Messiah\_

7. **The word derives from the last name of a land agent in Mayo, Ireland. Capt. Charles Cunningham attempted to evict tenets who (\*) refused to pay rent prices higher than those previously agreed to. Their response was an example of the "primary" type of, FTP, what type of economic abstention?**

**Answer:** \_boycott\_

8. **Symbiotic mycorrhiza fungi and waterproof Casparian strips assist the transfer of H<sub>2</sub>O in this part of a plant. At the end, the apical (\*) meristem leads to this anatomical part's "cap." Along the way, water uptake is aided by epidermal extensions known as "hairs." FTP, name this underground part of a plant.**

**Answer:** \_root\_

9. **Drafted by Ray Atherton, it would eventually be signed by 63 nations. One of the chief negotiators had already won a Nobel Prize – shared with Gustav Stresemann in 1925 (\*) for drafting the Treaties of Locarno – and the other would win in 1929. FTP, what 1928 agreement is formally known as the "Treaty for the Renunciation of War"?**

Answer: \_Kellogg-Briand\_Pact\_

10. **On his way to an airplane headed towards asylum in Holland, he was arrested outside the Greek Embassy in Kenya. Later, Prime Minister Bulent Ecevit (\*) expressed his approval of the sentence delivered by Judge Turgut Okyay. FTP, name the Kurdish leader sentenced to death by Turkish courts in June 1999.**

Answer: Abdullah \_Ocalan\_

11. **The publication of the poetic compilation, the *Manyoshu*, and the historical *Nihon Shoki* occurred in this historical period. Its greatest leaders were Doko, Kammu, and (\*) Shomu – the latter of whom built the Great Buddha at his capital. FTP, what period in Japanese history, named for its capital, lasted from 710-784 AD?**

Answer: \_Nara\_ period

12. **He first rose to prominence due to his collaborations with Hans Gerth, and is the namesake for a prominent sociology award. In all his writings – like *The Causes of World War II* and (\*) *Images of Man*, he used a methodological idea he referred to as “sociological imagination.” FTP, what American sociologist is best known for writing *The Power Elite*?**

Answer: C. (Charles) Wright \_Mills\_

13. **It begins with the appropriately poetic and rather eerie “I thought once how Theocritus had sung” and ends with the contented “Beloved, thou hast brought me many flowers.” In between lies (\*) a great deal of talk of “pure spirits” and affection, like the penultimate 43<sup>rd</sup>, “How do I love thee? Let me count the ways.” FTP, name the most famous collection by Elizabeth Barrett Browning.**

Answer: \_Sonnets from the Portuguese\_

14. **He has more #1 songs than any other musician. These 55 range from 1958’s “It’s Only Make Believe” to 1990’s (\*) “Crazy in Love.” He made his reputation as a showman – and ladies’ man – with “You’ve Never Been This Far Before.” FTP, who sings “Hello Darlin’”?**

Answer: Conway \_Twitty\_

15. **The Ilkovic equation relates its rate to concentration, while a better-known equation relates it to the square root of (\*) density. This rule, used to calculate the speed of the separation of isotopes, is Graham’s law. FTP, name the process by which different substances mix due to random motion.**

Answer: \_diffusion\_

16. **Over 60% of the world’s supply of this mineral is mined in Colombia, and it is formed when hot water escorts (\*) mafic metals like vanadium and corundum into a beryl crystal. The resulting structure has “gardens” – small pockets of salty fluid. FTP, name this green gemstone.**

Answer: \_emerald\_

17. **The home of the Menninger Foundation, a leading mental health organization, this city is laid out on a plan patterned after Washington, DC. The (\*) constitutional center of the 1854 Free State, it was also the center of a railroad from Atchison to Santa Fe. FTP, name the capital of Kansas.**

Answer: \_Topeka\_Kansas

18. **Only kept in his capital by his wife during the height of the Nika Insurrection, he lashed out at his neighbors after putting the revolt down – retaking North Africa and (\*) Italy and battling Chosroes I of Persia to a draw. FTP, who, with the help of Tribonian, reformed the eastern Roman law books in 529 AD?**

Answer: \_Justinian\_

19. **This artist lived the later part of his life in the Red Cloister, leaving only occasionally to work for important patrons like Archduke Maximilian. His mental (\*) instability shows in the cramped *Monforte Altarpiece* and the spatially ambiguous *Dormition of the Virgin*. FTP, name the 15<sup>th</sup> century Belgian painter of the *Portinari Altarpiece*.**

**Answer:** Hugo \_van der Goes\_

20. **When he fell off his steed, a rat, his huge belly burst open and he was forced to stitch it shut with a giant snake. According to one myth, he (\*)** then broke off a prominent facial feature to throw at the laughing gods. Others say that, in his haste to transcribe the *Mahabharata* for Vyasa, he accidentally fractured the tusk. FTP, name this elephant-headed deity.

**Answer:** \_Ganesha\_ or \_Ganeesh\_

21. ***The Black Dwarf* isn't talking about stars and *The Heart of Midlothian* isn't related to anatomy. Purportedly written by Jebediah (\*)** Cleisbotham, there are 32, all set during the 1745 Jacobite Rebellion. FTP, name this series of tales by Sir Walter Scott.

**Answer:** the \_Waverly\_ novels (prompt on: Sir Walter \_Scott\_)

22. **Son of a glazier, this scientist discovered how to find the refractive power of glass on a given color by using a yellow line in fats as a base comparison. He built upon this work, looking (\*)** skyward and rediscovering metallurgist W. H. Wollaston's earlier observations. FTP, name the Bavarian who found 574 dark lines in the solar spectrum.

**Answer:** Joseph von \_Fraunhofer\_

23. **Despite a few epic battles – the siege of Tottleben and the fall of Malakhov – some of its most famous heroes – Doctor Pirogov on one side (\*)** and Florence Nightingale on the other – weren't even combatants. FTP, name this essentially Russo-Turkish conflict.

**Answer:** \_Crimean\_ War

24. **Its opening was upstaged by not only the debut of Tiger Field in Detroit, but also the commotion accompanying the sinking of the Titanic. Among the many (\*)** disappointments it has witnessed include a bloop homer by Bucky Dent and Bill Buckner's famous error. FTP, name this Boston landmark.

**Answer:** \_Fenway\_ Park

25. **Take the complements of both the subject and predicate term. Interchange and (\*)** negate these terms. For instance, the sentence "all cats are felines" becomes "all non-felines are non-cats." FTP, name this logical operation.

**Answer:** \_contrapositive\_ or \_contraposition\_

26. **Co-winner of the 1974 Nobel Prize for Economics with Gunnar Myrdal, he linked monetary expansion with the instability that preceded the Great Depression. In the 1950s, his critiques of (\*)** socialistic inefficiencies almost single-handedly pumped life back into the dormant field of "liberal" economics. FTP, who wrote *The Road to Serfdom*?

**Answer:** Friedrich August von \_Hayek\_

27. **He produced over 30,000 works of art in his lifetime, nearly all in the Ukiyo-e style. His *Thunderstorm at the foot of the mountain* is from his (\*)** series *Thirty-six views of Mt. Fuji*. FTP, name the Japanese woodcut artist whose best known individual work, from the same series, is *The Great Wave off Kanagawa*.

**Answer:** \_Hokusai\_ Katsushika

28. **A conniving burglar who was once married to Nurse Guinness and the inventor of a magnetic ship to find submarines, Captain Shotover, are some of this play's ridiculous characters. Businessman Alfred (\*)** Mangan hopes to marry Ellie Dunn – but sleep with the married Mrs. Hushabye – in this play "in the Russian style." FTP, name their titular domicile and you've named the odd G. B. Shaw play.

**Answer:** \_Heartbreak House\_

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**Bonuses**

1. Identify these sidereal Babylonian divinities from their associated planetary bodies FTP each.

Moon

**Answer:** \_Sin\_

Sun

**Answer:** \_Shamash\_

Venus

**Answer:** \_Ishtar\_

2. Given a type of rock, state the elements added to oxygen to form the rock. Five points per answer, two answers required for each type of rock.

Common spinel

**Answer:** \_magnesium\_ and \_aluminum\_ (formula:  $MgAl_2O_4$ )

Calcite

**Answer:** \_calcium\_ and \_carbon\_ (formula:  $CaCO_3$ )

Opal

**Answer:** \_silicon\_ and \_hydrogen\_ (formula:  $SiO_2 \cdot nH_2O$ )

3. FTP each, name the authors of the works that these Douglas Moore compositions were based upon.

The opera *The Devil and Daniel Webster*

**Answer:** Stephen Vincent \_Benét\_

The 1951-Pulitzer Prize winning orchestral work *Giants in the Earth*

**Answer:** Ole \_Rølvaag\_

The operatic *The Emperor's New Clothes*

**Answer:** Hans Christian \_Andersen\_

4. 5-10-15, answer these questions about Florida history.

5 – The U.S. fought two wars against this stubborn tribe, eventually removing most of the group to Mississippi.

**Answer:** \_Seminole\_

10 – Spain did not acknowledge U.S. control over Florida until this 1819 agreement.

**Answer:** \_Adams-Onís\_ Treaty

15 – Two 1832-33 agreements authorized the removal of the Seminoles. Name either.

**Answer:** Treaty of \_Payne's Landing\_ or Treaty of \_Fort Gibson\_ (either is acceptable)

5. FTP each, answer these questions about a June 1999 South American trade summit.

The talks were held in this eastern city.

**Answer:** \_Rio\_ de Janeiro

Brazil's President, he was the ceremonial head of the meeting.

**Answer:** President Fernando Henrique \_Cardoso\_

The deal links the EU to this South American trade federation.

**Answer:** \_MERCASUR\_

6. FTP each, answer the following questions about waves.

This type of wave is parallel to the direction of motion of the element that caused the wave.

**Answer:** \_longitudinal\_ wave

This quantity, indicated by a lowercase k and measured in radians, is defined as 2 pi divided by the wavelength.

**Answer:** \_angular wave number\_

This more familiar property is defined as the wavelength divided by 2 pi.

**Answer:** \_frequency\_

7. Give the recurring *In Living Color* sketch from the actors involved and a tagline FTP each.

Jim Carrey, "Lemme show ya somethin'!"

**Answer:** \_Fire Marshal Bill\_

Jamie Foxx, "I'll rock your world."

**Answer:** \_Wanda\_ the Ugly Woman

Many actors, "...a woman, with big breasteses."

**Answer:** \_Prison Cable Network\_

8. Name these German banking houses FTP each.

Hans and Jacob led the rise of this Augsburg house, but their fortunes declined with those of the Hapsburgs.

**Answer:** \_Fugger\_

Fellow Augsburg residents of the Fuggers, they were given Venezuela by Charles V as remittance for their debts but went bankrupt by 1614.

**Answer:** \_Welser\_

Rising in Frankfurt, this family's influence spread throughout the continent in the 19<sup>th</sup> century.

**Answer:** \_Rothschild\_

9. FTP each identify similarly-named court cases.

This 1866 case dealt with an Indianapolis habeas corpus violation three years before.

**Answer:** \_Ex parte Milligan\_

This 1861 case centered on a Baltimore secessionist.

**Answer:** \_Ex parte Merryman\_

This 1867 case, usually grouped with *Cummings v Missouri*, struck down federal loyalty oaths.

**Answer:** \_Ex parte Garland\_

10. Identify these members of a famous jazz quintet FTP each.

This trumpeter was the eponymous lead of the Prestige Records group that was *Relaxin'*, *Cookin'*, *Workin'*, and *Steamin'*.

**Answer:** Miles \_Davis\_

He played tenor sax.

**Answer:** John \_Coltrane\_

He played piano.

**Answer:** Red \_Garland\_

11. Answer these questions about the Viking invasions of England FTP each.

In 793, the Norsemen annihilated this Northumbrian monastery, noted for its illustrated gospels.

**Answer:** \_Lindisfarne\_

The next year, raiders burned down this monastery, the home residence of the Venerable Bede.

**Answer:** \_Jarrow\_

By 870, this southern kingdom was the only one free of Danish control.

**Answer:** \_Wessex\_

12. Identify these parts of the Mendius reaction FTP each.

A compound of this type, symbolized as RCN, bonds with hydrogen.

**Answer:** organic \_nitrile\_

The end product is this type of compound, symbolized as RCH<sub>2</sub>NH<sub>2</sub>.

**Answer:** primary \_amine\_

What role does hydrogen serve in the reaction?

**Answer:** \_reducing agent\_

13. Name these Baroque masters from works FTP each.

*Surrender of Breda*

**Answer:** Diego Rodriguez de Silva y \_Velazquez\_

*The Banquet of Cleopatra*

**Answer:** Giovanni Battista \_Tiepolo\_

*Emperor Charles V*

**Answer:** Anthony \_van Dyck\_

14. Answer these questions about a figure from the Book of Judges, 5-10-15.

5 – He is the last and best known of the Judges.

**Answer:** \_Samson\_

10 – Samson built down the fields of the Philistines by lighting the tails of three hundred of this clever animal.

**Answer:** \_fox\_

15 – After his death, Samson was buried between the cities of Zorah and Eshtaol in the palace of this man, his deceased father.

**Answer:** \_Manoah\_

15. Identify these medieval authors FTP each.

His *Chronicles* are part history, part tabloid, and a 100% fun look at the 100 Years' War.

**Answer:** Jean \_Froissart\_

This Icelandic poet finished the *Heimskringla* shortly before he was assassinated over the dinner table in his home.

**Answer:** Snorri \_Sturluson\_

This hyper-educated woman began her *The Book of the City of Ladies* by accosting Reason for slighting her gender.

**Answer:** \_Christine de Pizan\_

16. FTP each, name these Spanish composers from clues.

The first Spanish nationalist composer to gain popularity, he's best known for his suite *Iberia*.

**Answer:** Isaac \_Albéniz\_

He's best known for a pair of ballets: *El Amor Brujo* and *The Three-Cornered Hat*.

**Answer:** Manuel de \_Falla\_

The teacher of both Albéniz and de Falla, he spent most of his life collecting Spanish folk tunes.

**Answer:** Felipe \_Pedrell\_

17. Identify these parts of dicots for 15 points each.

The presence of two of these, which mean "seed leaf" and store reserve materials, lead to the name "dicot."

**Answer:** \_cotyledon\_

Including conducting cells of xylem and phloem as well as thick walled fibers, they are arranged in an orderly ring in the stem.

**Answer:** \_vascular bundles\_

18. FTP, given the name of her character and the year it was made, name these literary Audrey Hepburn movies.

Natasha Rostov

**Answer:** \_War and Peace\_

Karen Wright

**Answer:** \_The Children's Hour\_

Ariane Chavasse

**Answer:** \_Love in the Afternoon\_

19. FTP each:

Who wrote the 1919 collection *Winesburg, Ohio*?

**Answer:** Sherwood \_Anderson\_

This "tale in four parts" follows Jesse and Louise Bentley.

**Answer:** \_Goodliness\_



Elmer Crowley, junior owner of the general store, worries about being called this name and eventually beats up reporter George Willard.

**Answer:** \_queer\_

20. Name these 20<sup>th</sup> century German revolutions FTP each.

Karl Liebknecht and Rosa Luxemburg led this orthodox communist uprising in Berlin, but the group's later revolt in the Ruhr had a far greater impact.

**Answer:** \_Spartacist\_ revolt

General Erich Ludendorff and Adolf Hitler attempted this Munich uprising in November 1923.

**Answer:** \_Beer Hall Putsch\_

This March 1920 revolt attempted to restore the Berlin monarchy.

**Answer:** \_Kapp\_ Putsch

21. Given an NBA free agent, identify the team with which he signed FTP each. (city or nickname)

Tony Delk

**Answer:** \_Sacramento Kings\_

Mitch Richmond

**Answer:** \_Washington Bullets\_

Greg Foster

**Answer:** \_Seattle (Super) Sonics\_

22. Answer these questions about a common programming environment, 5-10-15.

5 – This programming language was originally intended for beginners.

**Answer:** \_BASIC\_

10 – Microsoft's Visual BASIC makes the venerable language much more useful. What is the term for the programming style that it uses to encapsulate data and methods?

**Answer:** \_Object-Oriented\_ Programming (prompt on: \_OOP\_)

15 – Visual BASIC programs that work with databases often use SQL to speed application development.

All or nothing, expand the acronym

**Answer:** \_Structured Query Language\_

23. ID these figures in the Khmer Rouge FTP each.

Brother Number 1, he led the state-sponsored genocide.

**Answer:** \_Pol Pot\_

The movement's chief executioner, he and wife Yun Yat were run over by a truck on Pol Pot's orders in 1997.

**Answer:** \_Son Sen\_

Known as "the Butcher" or Brother # 7, the regime's leading general and current head was captured in 1999.

**Answer:** \_General \_Ta Mok\_

24. FTP each:

This loose "group" of Greek philosophers professed to teach various subjects for a fee.

**Answer:** \_Sophists\_

This Sophist died in a shipwreck, but not before writing that "Humans are the measure of all things." He also taught how to "make the weaker argument the stronger."

**Answer:** \_Protagoras\_

An unabashed believer in the value of rhetoric, he wrote a lengthy apology for Helen based on the strength of Paris' speech.

**Answer:** \_Gorgias\_

25. FTP, answer these questions about the Bahamas.

What is its capital?

**Answer:** \_Nassau\_

Nassau is located on this island.

**Answer:** \_New Providence\_ Island

Just west of New Providence is this large island.

**Answer:** \_Andros\_ Island

26. Name these Venetian painters of urban landscapes for fifteen points each.

Incongruously stuck in the Rococo era, his paintings include *Entrance to the Grand Canal* and *The Stonemason's Yard*.

**Answer:** \_Canaletto\_ or Antonio \_Canale\_

The main characters of his series for the Scuola of Saint Ursula are puny compared to the fanciful but vividly detailed backgrounds.

**Answer:** Vittore \_Carpaccio\_

27. FTSNOP:

10 – Who composed the opera *The Damnation of Faust*?

**Answer:** Hector \_Berlioz\_

15 – This scene III march takes place as a triumphant army tramps by the despondent title character.

**Answer:** \_Hungarian March\_

5 – The *Hungarian March* was derived his friend, a famed piano virtuoso.

**Answer:** Franz \_Liszt\_

Category	TU	BO	First 20	TU	BO	Last 9
History	4	4	4	1	1	1
Science	4	4	4	1	1	1
Literature	3	3	3	1		1/0
Trash	2	2	2	1	1	1
RPM	2	2	2	1	1	1
Art	1	1	1	1	1	1
Music	1	1	1			
Social Science	1	1		1		
Geography	1				1	
Class Trash		1				
CE	1	1	1			