

**Vanderbilt Quiz Bowl
Fall Collegiate Invitational**

Round 1

Tossups

1. If waves passing through slits S_1 and S_2 generate a pattern known as "speckle," it is given this name. Sunlight is only (*) partially so, and two monochromatic sources are not at all. FTP, give the term for the uniform interference pattern, such as that demonstrated by a laser.

Answer: _coherent_ light or _coherence_

2. Questionable knees dropped his stock in the draft, and he wasn't picked up until the 13th draft slot of the 1997 draft. The (*) Cleveland Cavaliers got their 10 ppg out of the guard, and swapped him for Clippers swingman Lamond Murray in the 1999 off-season. FTP, name this former Kentucky star.

Answer: Derek _Anderson_

3. It created three official divisions within the Republic: the municipia, the coloniae, and the ciuitates foederatae. Practically, the (*) patriarchs maintained control of the concilium plebis and comita tributa, but, for the first time, it granted full legal equality to the plebes. FTP, name this important 287 BC Roman law.

Answer: _lex Hortensia_

4. The head of this nation's secret service, Peter Regli, worked with secretary Dino Bellasi to siphon millions of dollars into a secret fund and build a huge weapons stockpile. Defense Minister Adolf Ogi announced the findings on behalf of (*) Prime Minister Ruth Dreifuss. FTP, the scandal is particularly ironic because of what nation's historic penchant for peace?

Answer: _Switzerland_

5. Before taking holy orders at the age of 51, he created complex comedies like *The Mayor of Zalamea*. His best known works, in a more ponderously baroque (*) style, are *Devotion to the Cross* and *Life is a Dream*. FTP, name this 17th century Spanish playwright.

Answer: Pedro _Calderón_ de la Barca

6. St. Clement Danes, St. James, St. Nicholas Cole Abbey, St. Steven's Walbrook, Greenwich Hospital, and St. Mary (*) Le Bow. All these structures were built by one man after a devastating fire swept through his home city. FTP, name the man best known for rebuilding St. Paul's Cathedral.

Answer: Sir Christopher _Wren_

7. It occurs when aminonitriles interfere with the cross-linking of collagen fibrils, and often results in serious heart trouble. (*) As a result, a person afflicted with this disorder typically has excessively long, loose-jointed limbs. FTP, name the syndrome that gave Abe Lincoln his distinctively gawky appearance.

Answer: _Marfan's_ syndrome

8. Lingering dissatisfaction over the Treaty of Kardis boiled over into outright hostilities. The traitorous actions of Mazeppa, a Cossack, led to the dissipation of advantages gained at (*) Narva by Charles XII. After the victory at Poltava, Peter the Great was firmly in control. FTP, name this conflict between Russia and Sweden.

Answer: _Great Northern_ War

9. Born in Kansas City in 1920, he got his start with the Jay McShann orchestra. His cut records like *A Night In Tunisia* and songs like "Koko," that were replete with his (*) famous improvisational bebop licks, before dying of a drug overdose at the age of 35. FTP, name the alto saxophonist nicknamed "Bird."

Answer: Charlie _Parker_

Answer: _enosis_

This Archbishop was at first a supporter of enosis, but later became head of an independent Cyprus.

Answer: Archbishop _Makarios_ III or Michael _Mouskos_

Upon the Archbishop's change of position, this general took up the enosis campaign and led terrorist attacks on the Makarios government.

Answer: Gen. George _Grivas_

21. FTP each, identify these troubled West African nations.

In June, the government of this nation signed a deal with the Revolutionary United Front to end two years of fighting in Freetown and the surrounding countryside.

Answer: _Sierra Leone_

President Charles Taylor has yet to secure the post he won in 1997 after nearly 10 years of civil unrest.

Answer: _Liberia_

A May 1999 coup in this country saw Army General Ansumane Mané replace President João Bernardo Vieira.

Answer: _Guinea Bissau_

22. Name these saints associated with the Friars Minor from descriptions, 5-10-15.

5 – This Assisi native lent his name to the humanistically-inclined organization.

Answer: St. _Francis_ of Assisi

10 – Italian by birth, he taught primarily in Paris. He is considered the second-greatest Franciscan after the order's founder.

Answer: St. _Bonaventure_

15 – A fellow Assisi native, she and St. Agnes founded the Franciscan's sister organization – the Poor Ladies.

Answer: St. _Clare_

23. FTP each, give the psychology terms from descriptions. All start with the letter 'e.'

In this type of operant conditioning, a behavior is reinforced because it stops a negative event.

Answer: _escape_ conditioning

This is the term given to the transfer of a young girl's sexual desires from her mother to her father.

Answer: _Electra_ complex

This is the process of unlearning a learned response

Answer: _extinction_

24. FTP each:

This Italian director created 1960's *La Dolce Vita*.

Answer: Federico _Fellini_

This film follows Guido Anselmi, a harried filmmaker.

Answer: _8 1/2_

Donald Southerland plays the title character in Fellini's adaptation of a famously risqué autobiography.

Answer: _Casanova_

25. Give the names of these parts of a castle's walls, 5-10-15.

5 – Similar to the parados, it is the low wall on the outer side of the main wall.

Answer: _parapet_

10 – These are the battlements at the top of a tower or wall.

Answer: _crenellations_

15 – These are the openings in a parapet through which molten metal could be dropped on attackers.

Answer: _machicolations_

26. Name these terms you'd run across in a computer engineering class FTP each.

This semiconductor fabrication technology can create a density of between 1000 and 1,000,000 devices on each individual die.

Answer: _VLSI_

This special type of transistor uses metal oxides.

10. Neleus of Skepsis precipitated its decline when he took its library to Asia Minor, but Strato of Lampsakos leveled an equally critical blow by (*) narrowing its focus. Taken over by Theophrastus of Eresus in 322, it was centered in the Lyceum. FTP, name this “walking about” school of philosophy founded by Aristotle.

Answer: _Peripatetic_ School (accept early: _Lyceum_)

11. She made her stage debut in Gore Vidal’s play *An Evening With Richard Nixon and...* . 1975 was her breakout year, as she appeared in both *The Great Waldo Pepper* and (*) *The Rocky Horror Picture Show*. FTP, who was the lead in *Bull Durham* and *Thelma and Louise*?

Answer: Susan _Sarandon_

12. $Z = x(x^2 - 3y^2)$ is a famous example of this type of point, as is the origin in $z = x^2 - y^2$. The number of components in the level set usually changes as the (*) height passes it. FTP, give the term for a point of a function or surface which, though not an extremum, is a stationary point.

Answer: _saddle_ point

13. Palana and Ayan are among the largest cities on its banks. It is linked with a sea on the south by the Tartar and La Pérouse Straights, and meets the (*) Pacific through passages between the Kuril Islands and the Kamchatka Peninsula. FTP, name the body of water off Russia’s east coast.

Answer: Sea of _Okhotsk_ or _Okhotskoye_ More

14. “His friend through alley and street / Wanders and watches, with eager ears, / Till in the silence around him he hears / The muster of men at the barrack (*) door.” He was “A shape in the moonlight, a bulk in the dark” as “through the night went his cry of alarm / To every Middlesex village and farm.” FTP, name the hero of this Longfellow poem.

Answer: Paul _Revere_ (accept: “Paul Revere’s Ride” or “The Midnight Ride of Paul Revere”)

15. With Friedrich von Wieser and Eugene von Böhm-Bawerk, he founded the ‘Methodenstreit’ school of economic thought. He disapproved of drawing empirical laws from (*) history, instead advocating a ‘compositive method.’ FTP, name the Austrian economist known for championing marginal analysis.

Answer: Karl _Menger_

16. Walden’s rule relates molecular conductivity to this property of fluids, and shows that it is inversely related to the diffusion coefficient. It is measured in (*) pascal seconds or “poise.” FTP, name the quantity symbolized by lower-case nu, the resistance of a fluid to flow when under shear stress.

Answer: _viscosity_ (coefficient)

17. The first recorded woman golfer, her closest advisor was William Maitland. She was held captive by Sir Amias Paulet after the earl of (*) Bothwell’s murder of her second hubby, Lord Darnley, caused widespread rebellion to convulse the countryside. FTP, name the woman executed by her sister, Elizabeth.

Answer: _Mary, Queen of Scots_ or _Mary Stuart_

18. It took its name from an earlier work by Johann Joseph Fux, it served a similar pedagogical function as the composer’s earlier *Introduction to the Art of Playing the Piano Forte*. (*) Written in England, it was based on the metaphor of mountain climbing. FTP, name this Muzio Clementi work.

Answer: _Gradus ad Parnassum_ or _Steps to Parnassus_

19. It was first established as Resolution 117-68 by recommendation of Henry Pinckney’s special committee. Rep. William Slade took advantage of a brief lull to protest the murder of (*) Elijah P. Lovejoy, and John Quincy Adams vociferously protested it from 1836 – 1844. FTP, what term is commonly given to this House order that silenced debate on slavery?

Answer: _“gag rule”_

20. The crux of the book’s argument is that circumcision and strict adherence to the laws of Moses, although necessary to become a perfect Christian, were not needed for salvation. It was directed to

(*) backsliders of Frankish descent in the northern part of Asia Minor. FTP, name the Pauline epistle after Corinthians and before Ephesians.

Answer: Epistle to the Galatians

21. **Jim O'Connor's revelation that he is engaged to a girl named Bessie seems to disqualify him from playing the role of "gentleman (*) caller,"** as Amanda had hoped Tom's friend would do. However, he does attempt to reach out to the fragile main character. FTP, the crippled Laura Wingfield is the centerpiece of what Tennessee Williams play?

Answer: *The Glass Menagerie*

22. **A walk-on for the University of Houston basketball team, in 1999 he signed a contract to appear on WCW with sidekicks Kaptain Kurt and 4x4. Creator of the song (*) "211,"** his stable of rappers includes his brother, a.k.a. Silkk the Shocker, and Snoop Doggy Dogg. FTP, name the founder of No Limit Records.

Answer: Master P (accept: Percy Miller)

23. **According to an ABC News poll released immediately after he said he was considering running for President, he polled 25 percent – just 4 points behind Bill Bradley. (*) Personally, I think his movies just went to his head.** FTP, what Hollywood liberal played *Bulworth* and *Dick Tracy*?

Answer: Warren Beatty

24. **Its highest point, Mount Balaneshty, is located in the Kodry Mountains that dominate the northwest portion of the nation. President Petru Lucinschi (*) heads it, and its flag adds a Roman eagle to that of neighboring Romania. Also known as Bessarabia, FTP, what is this former Soviet republic with its capital at Chisinau?**

Answer: Moldova

25. **First conducted by Lou Harrison, it won the Pulitzer Prize for music in 1947. Divided into sections called "Old Folks Gatherin'," "Children's Day," and (*) "Communion,"** and it attempts to convey a quintessential American revival service. FTP, give either the common nickname or the number of this symphony by Charles Ives.

Answer: *Symphony # 3* or *"The Camp Meeting"*

26. **The central character splits his fingers in a 90-degree arc, and flashes of yellow emerge from the (*) digits. His white hair flies to the left, and he sits in a flaming orange sun.** FTP, name this famous painting by William Blake.

Answer: *God as an Architect*

27. **Hell was the subject of his book *The Great Divorce*, divine intervention that of *Miracles*, evil's grasp of *The Problem of Pain*, and the role of faith in (*) *Mere Christianity*.** These apologetic books augment his studies of medieval literature and his significant fiction output. FTP, name the author of the quasi-religious sci-fi epic *Perelandra*.

Answer: Clive Staples Lewis

28. **The Milankovitch curve charts the amount of this received at the Earth's surface at a particular latitude and time. This count allows scientists to predict the amount of (*) dissociation of chlorofluorocarbons to be expected in a given region.** FTP, name this type of extra-terrestrial energy.

Answer: solar radiation

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Bonuses

1. Given a definition, name the two parts of the Chinese philosophical dualism for fifteen points each. Originally designating the shady and sunny sides of a hill, these famous metaphors are ad hoc explanatory categories rather than principles or essences.

Answer: yin and yang (must have both)

Rendered into English as “having” and “nothing” or “being” and “non-being,” Taoists considered non-being the fundamental state and Confucians believed it was being.

Answer: yu and wu (must have both)

2. Identify these parts of the kidney, 5-10-15.

5 – This is the blood-rich area surrounded by Bowman’s capsule.

Answer: glomerulus

10 – This is the piping that connects the Bowman’s capsule to the loop of Henle.

Answer: proximal convoluted tubule

15 – These tiny capillaries run parallel to the loop of Henle.

Answer: vasa recta

3. Given the title character, name the person who draws the cartoon strip. 5-10-15.

5 – Garfield

Answer: Jim Davis

10 – Zippy the Pinhead

Answer: Bill Griffith

15 – Prince Valiant

Answer: John Cullen Murphy and Cullen Murphy (either answer, or both, is/are fine)

4. FTPSNOP each, identify these examples of New York politics in the 1840s.

FTP each, these two Democratic factions – one radical reformers that alliance with urbanite Loco-Focos and later broke to form the Free-Soil Party, and the other conservatives – fought over the electorate.

Answer: Barnburners and Hunkers

Also known as the “Helderberg War,” it was waged by tenet farmers from late 1839 to early 1840.

Answer: Anti-Rent War

5. FTP each:

This Muslim militia currently controls Afghanistan.

Answer: Taliban

He has emerged as the primary leader of the Taliban.

Answer: Mullah Mohammad Omar or Emir al-Momineen

This rich Saudi terrorist is currently under Taliban protection.

Answer: Osama Bin Laden

6. FTP each, answer these related literature questions.

This Nigerian wrote the play *The Lion and the Jewel*.

Answer: Wole Soyinka

This Soyinka play – a parody on Nkrumah – deals with an egomaniacal dictator’s ill-fated attempt to impose a new holiday.

Answer: Kongi’s Harvest

Name either theater company he founded to produce such works.

Answer: The 1960 Masks or The Orisun Repertory

7. Answer these related questions FTP each.

Who wrote the 1964 book *Understanding Media: The Extensions of Man*?

Answer: Marshall McLuhan

Cubism, McLuhan writes, understood this precept – that the social consequences of a medium result from the creation of new patterns associated with that medium.

Answer: “the medium is the message”

McLuhan defines this type of medium as “high definition” and “non-interactive.” Examples include TV, radio, and photography.

Answer: hot medium

8. 5-10-15, identify these operatic terms:

5 – This is an extended operatic solo.

Answer: aria

10 – This style of “beautiful singing” emphasizes vocal technique over dramatic structure.

Answer: bel canto

15 – This fake Italian word indicates the elaborate trills, runs, and other flourishes on the melodic line.

Answer: coloratura

9. Give the geology terms from clues FTP each.

This is an open fracture in glacier ice.

Answer: crevasse (prompt on: fissure)

“Crevasse” can also refer to a breach in one of these banks of sand and silt along a stream bed.

Answer: levee

This term refers to a tributary stream unable to enter a main stream because of natural levees in the way.

Answer: yazoo-type river

10. Answer these questions about a tree of Norse legend, 5-10-15.

5 – This is the world-tree upon which the beast in question 2 feeds.

Answer: Yggdrasil

10 – This serpent-like beast hung around Yggdrasil’s third root, gnawing away.

Answer: Nidhogg

15 – The wisest of the Norns, it also lived under the third root and constantly repaired Nidhogg’s damage.

Answer: Urd

11. FTP each:

This Chinese dynasty ruled until AD 220.

Answer: Han

Ts’ai Lun, a powerful court eunuch, created this material out of hemp and fish nets in AD 105.

Answer: paper

This uprising was precipitated by what was viewed as excessive power held by court eunuchs.

Answer: Rebellion of the Yellow Turbans

12. Answer these questions about a major type of benzene-based reaction FTP each.

Identify the common benzene-based reaction, named for two scientists, one French and one American.

Answer: Friedel-Crafts reaction

This group, represented as R⁺, is bonded to a halogen before the reaction with benzene.

Answer: alkyl group

This group, RCO⁺, may be used instead of an alkyl.

Answer: acyl group

13. 5-10-15:

5 – This American author is best known for “The Legend of Sleepy Hollow.”

Answer: Washington Irving

10 – That tale appeared in this 1820 collection.

Answer: *The Sketch Book of Geoffrey Crayon, Gent.*

15 – This fictional London neighborhood is the locale for several of the tales in the *Sketch Book*.

Answer: _Little Britain_

14. Given a few works by French artists of the 18th century, name them FTP each.

Love in the French Theater, Embarkation for Cytherea

Answer: Antoine _Watteau_

The Interrupted Sleep, The Toilette of Venus

Answer: François _Boucher_

The Paralytic (The Fruits of a Good Education), The Spoiled Child

Answer: Jean-Baptiste _Greuze_

15. Name the highest-charted artist of each these rhythmic, mindless songs FTP each.

Louie Louie

Answer: the _Kingsmen_

Hawaii Five-O

Answer: the _Ventures_

Dance to the Music

Answer: _Sly and the Family Stone_

16. FTP each:

This powerful Sicilian ruler provoked a controversy with the Byzantines in 1147.

Answer: _Roger_ of Sicily

The son of John II Comnenus, he led a campaign against Roger.

Answer: _Manuel_ I Comnenus

This northern Italian city helped Manuel I out, thereby securing a lucrative eastern trade contract.

However, they would go to war with the Byzantines only 30 years later – and win!

Answer: _Venice_

17. FTP each, name these characters from Book I of *Paradise Lost*.

Milton calls him the “least erected Spirit that fell From Heaven” because he bent his head to admire the golden streets of Heaven.

Answer: _Mammon_

This Greek creature was buried under Mt. Aetna, but not before he spawned Echidna, Cerberus, Hydra, the Sphinx, and the Chimera.

Answer: _Typhon_

This “horrid king, besmeared with blood Of human sacrifice” was a Canaanite fire deity.

Answer: _Moloch_

18. Identify these geographical features of a troublesome African nation FTP each.

This nation, with its capital at Asmara, has had consistent problems with its southern neighbor, Ethiopia.

Answer: _Eritrea_

It is contesting the ownership of the Hanish Islands in the Red Sea with this other nation.

Answer: _Yemen_

One of its few non-contested properties is this Red Sea archipelago.

Answer: _Dahlak_ Archipelago

19. Name these “principles” of physics FTP each.

The laws of physics must have the same form in all inertial reference frames.

Answer: principle of _invariance_

The fundamental postulate of Einstein’s understanding of gravity, it related gravity and acceleration.

Answer: principle of _equivalence_

This principle allows you to find the net gravitational force on a group of particles because the net effect is the sum of the individual effects.

Answer: principle of _superposition_

20. FTP each, answer these questions about Cyprus politics.

This is the movement for union with Greece.

Answer: _MOSFET_ (metal oxide semiconductor field effect transistor)

This map method uses Boolean algebra to efficiently minimize switching expressions on logical circuits.

Answer: _Karnaugh_map

27. For five points each and a five point bonus for all correct, give the LAST names of the major characters on NBC's *Friends*.

Answers: Monica and Ross _Geller_

Rachel _Green_

Chandler _Bing_

Joey _Tribbiani_

Phoebe _Buffay_

Category	TU	BO	First 20	TU	BO	Last 9
History	4	4	4	0	1	1
Science	4	4	4	1	1	1
Literature	3	3	3	0	0	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	1	0	
Social Science	1	1		0	1	
Geography	1	1		1	0	
Class Trash	1	0		0	1	
CE	1	1	1	1	1	