

Vanderbilt University ABC XV  
Round 1 of 14  
(Friday Night Round 1)

Tossups

1. The industrial type of it is produced by passing air through layers of red-hot coke and coal. When inhaled, it combines with the hemoglobin in the blood, making it impossible for the hemoglobin to take up oxygen from the air. FTP, name this colorless, odorless, poisonous gas found in the exhaust produced by gasoline engines.

Answer: carbon monoxide

2. On one occasion, this man preferred the music of Pan to the music of Apollo, so Apollo gave him a pair of ass's ears. On another occasion, as Dionysus passed through Phrygia, his drunken satyr companion Silenus was entertained by this man. In gratitude for his hospitality, Dionysus granted the man a wish. For ten points, name this king who wished that all he touched would turn to gold.

Answer: King Midas

3. Moving to Europe at age sixteen, he was introduced to political philosophy by a former tutor, Simon Rodriguez. He married the daughter of a Spanish nobleman, but she died of yellow fever, and he returned to South America. Taking advantage of Napoleon's attacks on Spain, he led a revolt in New Granada, Upper Peru, and his native Venezuela. FTP, name this revolutionary leader called "The Liberator."

--Answer: Simon Bolivar

4. This series of rapids contained a 141-foot drop that is now submerged by Lake Wilson. Earlier canals around the rapids have fallen out of use now that Lake Wilson provides easy passage. This section of the Tennessee River was unnavigable until the 1925 completion of Wilson Dam. FTP, identify this northern Alabama region, home to Wheeler Dam and overseen by the Tennessee Valley Authority.

Answer: Muscle Shoals

5. His first novel, Grimus, is the story of an immortal American Indian who undertakes an odyssey to find life's meaning. In 1981, he won the British Booker Prize for Midnight's Children. FTP, name this British novelist of Indian descent, still in hiding after the controversial publication of The Satanic Verses.

Answer: Salman Rushdie

6. Math question. For a quick ten points, calculate the area of a triangle with sides of lengths 7, 24, and 25.  
ANSWER: 84

7. Born in 1727 in Sudbury, England, this painter studied under a French engineer in London and later moved to Bath. It was there that he started painting portraits of affluent people, including the royal family. For ten points, name this portrait and landscape painter whose best known works are The Mall, The Watering Place, and The Blue Boy.

Answer: Thomas Gainsborough

8. Also known as paralysis agitans, this disease is treated using deprenyl, which delays the onset of symptoms and eventual disability, and L-dopa, which improves muscle control. Often accompanied by changes in pigmented cells in the brain, the primary symptoms are muscle weakness and tremors. FTP, name this chronic nervous system disorder, one of whose most famous sufferers is Mohammed Ali.

Answer: Parkinson's Disease

9. Born in Garrard County, Kentucky in 1846, this historical figure is actually enshrined at the Medicine Lodge Saloon in Kansas. FTP, name this activist who became the scourge of bartenders and drinkers in 19th century Kansas as she wielded umbrellas and hatchets.

Answer: Carry Nation

10. This work regarded politics as a sort of social physics, as was the trend of the time. A defense of the secular monarchy written during the Puritan Commonwealth in England, it was subtitled "The Matter, Form, and Power of a Commonwealth, Ecclesiastical and Civil." FTP, identify this treatise on the origin and end of government by Thomas Hobbes.

Answer: Leviathan

11. In 1879, he was named bandmaster at the County Lunatic Asylum, Worcestershire, an appointment which allowed experimentation with numerous instrumentations. These experiments led to such works as King Olaf, Caractacus, and the Enigma Variations, but his most famous work was commissioned for the coronation of King Edward VII. FTP, identify this composer of Pomp and Circumstance.

Answer: Edward Elgar

12. This city's nickname is derived from its legendary hostility to foreigners; in fact, it is believed that no European set foot there until 1904. In 1959, most of its ancient monasteries were destroyed in a revolt against Chinese rule. FTP, identify this forbidden city, the capital city of Tibet.

ANSWER: Lhasa

13. The main character in this 1940 novel concludes that violence is the only alternative to submission to white society while in prison for two murders: the intentional killing of his girlfriend and the accidental smothering of his white employer's daughter. FTP, what is this story about Bigger Thomas written by Richard Wright?

Answer: Native Son

14. Changes in this quantity can be found by integrating the heat capacity function divided by the temperature for a given substance over the desired temperature change. Described by the Second Law of Thermodynamics, it is often denoted by a capital S. FTP, identify this thermodynamical quantity which is often referred to as the "randomness" of a system.

Answer: Entropy

15. Major figures in this conflict included Arcarnania, Lysander, Alcibiades, and Brasidas. Chronicled by Thucydides, it was precipitated by the military assistance the Delian League provided to the beleaguered town of Corcra. FTP, what is the name of this 431 ñ 404 BC war between Athens and Sparta?

Answer: Peloponnesian War (accept Great Peloponnesian War)

16. He went to school at Loyola and became an insurance broker. In 1984, his first book was published, and President Reagan called it "The Perfect Yarn." This author ended up with the top-selling book of the 80s. For ten points, name this innovator of the techno-thriller genre, now interested in sports ownership, whose books include *Without Remorse*, *The Cardinal of the Kremlin*, *Patriot Games*, and *The Hunt for Red October*.

Answer: Tom Clancy

17. Scientists theorize that there have been five of the mass types of this in the history of the earth, one each late in the Ordovician, Devonian, Permian, Triassic, and Cretaceous periods. It has also occurred to one tenth of the native plants and two thirds of the native birds of Hawaii. FTP, give this term for the disappearance of an organism, the most famous examples of which happened to dodos and dinosaurs.

Answer: extinction

18. After the 1903-5 publication of her volumes of poetry and stories, *April Twilights* and *The Troll Garden*, she was appointed managing editor of McClure's. She left in 1912 to devote herself to novel writing, starting with *Alexander's Bridge* and ending with *Sapphira and the Slave Girl* (1940). FTP, who is this author of better known works like *Death Comes for the Archbishop*, *O! Pioneers*, and *My Antonia*?  
Answer: Willa \_Cather\_

19. The purpose of one of these organizations is to prevent competition that would lower profits. It divides a common market among its members so that all will have a share. It regulates production, fixes prices, and generally maintains the oligopoly. FTP, what is this name for an association of independent producers or sellers, often applied to Colombian drug lords?  
Answer: \_cartel\_

20. His father was named Manoah and his mother was thought to be sterile. One day, an angel appeared to his mother and told her she was about to conceive a son who would be a Nazirite. Later in his life, he married a Philistine woman, ironic considering his fate. For ten points, name this biblical judge, who killed thousands of Philistines and himself when he destroyed their temple after being betrayed by Delilah.  
Answer: \_Samson\_

21. This author served as a foreign correspondent in Rome, Paris, Barcelona, Havana, and New York after studying law and journalism in the late 1940s at the University of Bogota. FTP, name this author of the magical realism movement of Latin America whose works include *In Evil Hour*, *Leaf Storm and Other Stories*, *Love in the Time of Cholera*, and *One Hundred Years of Solitude*.  
Answer: Gabriel Garcia Marquez

22. The last name's the same: Frank was an American ornithologist, the founder and editor of *Bird Lore*; George was an Elizabethan dramatist and contributor to the play *Eastward Ho!*, and John was a pioneer and folk hero who traveled through the Ohio valley wearing a tin pan on his head. FTP, identify the common last name, also shared by singer Tracy.  
ANSWER: Chapman

Vanderbilt University ABC XV  
Round 1 of 14  
(Friday Night Round 1)

Bonuses

- In honor of the institution hosting ABC XV, identify the following people named Vanderbilt for the stated number of points.
  - 5 points: This Commodore made a fortune in transportation and had this university named for him in 1874, one year after it was founded.  
Answer: Cornelius Vanderbilt
  - 10 points: This woman who lived from 1908 to 1974 is known for her book of etiquette.  
Answer: Amy Vanderbilt
  - 15 points: This son of Cornelius Vanderbilt is remembered for saying "The public be damned" when asked what they would think of his railroad schedules.  
Answer: William K. Vanderbilt
- Identify the authors from clues for ten points apiece. All answers begin with the letter "F".
  - This American known for his verse set in the New England countryside wrote *An Old Man's Winter Night*, *Mending Wall*, and *The Gift Outright*.  
Answer: Frost, Robert
  - This seventeenth century English dramatist of "Tis a Pity She's a Whore" shares his name with the legendary American movie director of "The Grapes of Wrath" and "Stagecoach".  
Answer: Ford, John
  - This eighteenth century British novelist is best known for his "Tom Thumb," "Joseph Andrews," and "Apology for the Life of Mrs. Shamela Andrews".  
Answer: Fielding, Henry
- For the stated number of points, give the psychological name for the following fears.
  - (5 points) Fear of open spaces.  
Answer: Agoraphobia
  - (10 points) Fear of strangers.  
Answer: Xenophobia
  - (15 points) Fear of death.  
Answer: Thanatophobia
- Based on a description, identify these young sports stars FTP apiece.
  - This leading PGA money-winner of 1997 won the Masters Tournament.  
--Answer: Tiger Woods
  - This fifteen-year-old figure skater and rival of Michelle Kwan won the 1998 Olympic gold medal.  
--Answer: Tara Lipinski
  - After injuring her leg, she was believed to be out of medal contention for the Winter Olympics, but this American skier still won a gold medal in the Super-G.  
--Answer: Picabo Street
- Given a definition of a term from physics, identify the term on a 5-10-15 basis.
  - For 5 points: An object's resistance to a change in velocity.  
Answer: inertia
  - For 10 points: The spreading of light into a spectrum of colors.  
Answer: dispersion
  - For 15 points: A unit of magnetic field strength, equivalent to 10 to the negative four tesla.  
Answer: gauss

6. Answer the following related questions for ten points apiece.

a) This twentieth century Russian composed ballets such as Pulcinella, Petroushka, and The Rite of Spring.

Answer: Igor Stravinsky

b) Stravinsky based this 1951 opera upon a series of satiric engravings of the same name by the eighteenth century English artist William Hogarth.

Answer: The Rake's Progress

c) Stravinsky based this 1927 opera-oratorio on a play about a Greek king who murdered his father and married his mother.

Answer: Oedipus Rex (accept Oedipus the King)

7. Identify the following explorers of cold regions FTP each.

A. This man lost his race with Amundsen to reach the south pole and died on the return trip.

Answer: Robert Falcon Scott

B. This man was the first to reach the summit of Mount Everest.

Answer: Edmund Hillary

C. This man discovered the north magnetic pole in 1831 and discovered the ice-locked sea named for him in the Antarctic.

Answer: James Clark Ross

8. Pencils and paper ready. Write down the following series of numbers:

A sub 1 = 4, A sub 2 =  $\frac{8}{3}$ , A sub 3 =  $\frac{16}{9}$ , A sub 4 =  $\frac{32}{27}$ , and so on.

Now answer the following FTP each.

A. Solve for the value of A sub 6.

--Answer:  $\frac{128}{243}$

B. Find the sum of the infinite series, ranging from A sub 1 all the way to A sub infinity.

--Answer: 12

C. Ignore the previous series, and imagine another series which includes all integers ranging from 1 to 50. Find the sum of all fifty terms.

--Answer: 1275

9. Identify the African capital based on a description for ten points or given its nation for five points.

A. 10--Located mostly on the eastern bank of the Nile, this capital city is the largest city in the Middle East.

5--Egypt.

--Answer: Cairo

B. 10--This African city was founded by Emperor Menelik II in 1887 after his wife persuaded him to move his capital near an area of hot springs.

5--Ethiopia.

--Answer: Addis Ababa

C. 10--This capital spans both sides of the Niger River. It became the capital of French Sudan in 1908.

5--Mali.

--Answer: Bamako

10. Identify these terms and figures from Hinduism for ten points apiece.

a) This is the term for the debt of sin incurred in the past and in this present life which must be paid before the soul is to reach perfection.

Answer: karma

b) This is the supreme Hindu god. In each creation he takes on an avatar, examples of which include Krishna and Rama.

Answer: Vishnu

c) This is the dancing deity of creation and destruction.

Answer: Shiva (or Siva)

11. Identify the 20th century American novels from characters on a 15-10-5 basis.

A. 15 points: Dr. Spivey, Dale Harding

10 points: Chief Bromden, Billy Bibbit

5 points: R. P. McMurphy, Nurse Ratched

Answer: One Flew Over the Cuckoo's Nest

B. 15 points: Ewing Klipspringer, Meyer Wolfshiem

10 points: Myrtle Wilson, Jordan Baker

5 points: Nick Carraway, Daisy Buchanan

Answer: The Great Gatsby

12. Identify the following simple organic compounds from their formulas FTP each.

a. C<sub>2</sub>H<sub>5</sub>OH

Answer: Ethanol (or ethyl alcohol)

b. C<sub>6</sub>H<sub>6</sub>

Answer: Benzene

c. NH<sub>2</sub>CONH<sub>2</sub>

Answer: Urea

13. Complete the educational chain leading back from Aristotle for ten points per answer.

a) This man, the author of Meno, Phaedo, and Symposium, taught Aristotle at his Academy.

Answer: Plato

b) Plato learned from this ugly philosopher who died of drinking hemlock. Plato used him as a mouthpiece in his dialogues.

Answer: Socrates

c) Socrates' teacher, this man who appears in Plato's Protagoras was a sophist best remembered for emphasizing the difference between words with similar, but not identical, meanings.

Answer: Prodicus

14. On a 30-20-10 basis, identify the country which the authors of the following books were from.

30 points: Jerusalem Delivered, The Periodic Table

20 points: Six Characters in Search of an Author, The Name of the Rose

10 points: The Divine Comedy, The Decameron

Answer: Italy

15. Identify these terms from genetics for ten points apiece.

a) This is the term for each alternate form of a gene.

Answer: allele

b) This is the term for the physical expression of genetic makeup.

Answer: phenotype

c) This is the term for the exchange of genes between homologous chromosomes during meiosis.

Answer: crossing over

16. Identify the year from events, 30-20-10

30: The World Health Organization and the Organization of American States are founded and the controversial *Kinsey Report* is released.

20: Alger Hiss is indicted for perjury, McDonalds opens its first restaurant, and the State of Israel is proclaimed.

10: Mahatma Gandhi is assassinated in New Delhi, India, and Harry Truman defeats Thomas Dewey for the presidency.

Answer: 1948

17. For ten points apiece, given a list of paintings, identify the artist.

A. House by the Railroad, Early Sunday Morning, Nighthawks

Answer: Edward Hopper

B. Olympia, Bar at the Folies-Bergere, Luncheon on the Grass

Answer: Edouard Manet

C. The Naked Maja, Agony in the Garden, Saturn Devouring One of his Sons

Answer: Francisco de Goya

18. Math question. Solve the following concerning the number 60 FTP each.

a. Find the prime factorization of 60.

Answer:  $2 * 2 * 3 * 5$  (or 2 squared \* 3 \* 5)

b. Find the number of positive divisors of 60.

Answer: 12

c. The basis of modern clocks with 60 seconds per minute and 60 minutes per hour is due to the base 60 counting system of which ancient civilization? [moderator: only five seconds on this part]

Answer: Babylonians

19. Given the classification name for a star (a greek letter and its constellation), identify the common name for the star for 10 points each.

a. Beta Persei

ANSWER: Algol

b. Beta Orionis

ANSWER: Rigel

c. Beta Geminorum

ANSWER: Pollux

20. FTP each, identify the Sinclair Lewis novel which dealt with the following subjects.

A. Religious evangelism and hypocrisy.

ANSWER: Elmer Gantry

B. Small town American life in Gopher Prairie.

ANSWER: Main Street

C. Middle class values in Zenith.

ANSWER: Babbitt