

PENN BOWL 11

Boni by Chicago & Emory



1 30-20-10. Name the artist.

[30] In *On the Spiritual in Art*, he described white as “not a dead silence, but one pregnant with possibilities.”

[20] Originally a lawyer, he joined the Bauhaus in 1922. One of his last works was 1944's *Tempered Élan*.

[10] This Russian abstract painter's works include *Improvisations 30* and *31*.

ANSWER: Vasily Vasilyevich Kandinsky

2 Answer these questions about faults, 10 points each.

[10] What type of fault, in which blocks move horizontal *and* parallel to a vertical fault plane, is exemplified by the San Andreas fault?

ANSWER: strike-slip or lateral or wrench or transcurrent fault

[10] Death Valley is an example of what geologic feature formed when the land between two normal faults drops relative to both sides?

ANSWER: rift valley or graben

[10] What blocks lie underneath the fault plane in a normal or reverse fault?

ANSWER: footwall(s)

3 It contains extrinsic and intrinsic proteins and has a dynamic structure. 10 points each.

[10] So states what 1972 model of cell membrane structure proposed by Singer and Nicholson?

ANSWER: fluid mosaic

[10] This biomolecule composes almost half the membrane of most animal cells, and lends the membrane rigidity.

ANSWER: cholesterol

[10] In water, phospholipids will form these spheres that isolate their hydrophobic tails.

ANSWER: micelle(s)

4 Name these terms from nuclear physics, 10 points each.

[10] This is the absorption of an electron from an atom's innermost shell by a proton. The result is a neutron.

ANSWER: K capture or electron capture

[10] Yukawa predicted the existence of this lightest triplet of mesons, which were once thought to carry the strong nuclear force.

ANSWER: pions or pi mesons

[10] The first four are 2, 8, 20, and 28. Nuclei with these numbers of nucleons are highly stable.

ANSWER: magic numbers

5 Answer these questions about U2, 10 points per part.

[10] Five points each—what are the stage names of Paul Hewson and David Evans?

ANSWER: Bono [BAH-no] and The Edge [respectively]

[10] On what 2001 album will you find "Peace on Earth" and "Walk On?"

ANSWER: All That You Can't Leave Behind

[10] Who did Bono invite on stage at a Madison Square Garden concert in October to sing a medley of "Peace on Earth" and "Walk On?"

ANSWER: 20 New York City firefighters [accept FDNY and/or equivalents]

6 Vladimir Nabokov was a bizarre man. 10 points each.

[10] The narrator of what book by Nabokov calls the title character "my sin, my soul?"

ANSWER: Lolita

[10] In this autobiography, Nabokov describes *emigré* life and suggests Russia had more intellectual and artistic freedom under the later czars than after the Revolution.

ANSWER: Speak, Memory or Invitation of a Beheading or Invitation of a Beheading

[10] *Speak, Memory* often objects to this man's ideas about the mind, in such lines as "a huge custard-colored balloon was being inflated by Sigismond Lejoyeux, a local aeronaut."

ANSWER: Sigmund Freud

7 It was the first American opera staged at La Scala. 10 points each.

[10] Name this "folk opera" by George Gershwin.

ANSWER: Porgy and Bess

[10] *Porgy* is set on this street in Charleston.

ANSWER: Catfish Row

[10] This local peddler of "happy dust" repeatedly asks Bess to escort him to New York. At the opera's end, she does.

ANSWER: Sportin' Life

8 30-20-10. Name the poet from lines.

[30] "Friends, Romans, and countrymen, lend me your ears!"/(They were all of them fond of quotations)."

[20] "The further off from England the nearer is to France—/Then turn not pale, beloved snail, but come and join the dance."

[10] "The time has come,' the Walrus said, 'to talk of many things."

ANSWER: Lewis Carroll or Charles Lutwidge Dodgson

9 Name these Willa Cather novels, 10 points each.

[10] In this historical novel, two French priests are sent to establish Catholicism in Santa Fe.

ANSWER: Death Comes for the Archbishop

[10] In this, Cather's first novel, an engineer is torn between success and a happy life with his mistress.

ANSWER: Alexander's Bridge [Decisions, decisions. . . . —Ed.]

[10] In this novel, probably based on Olive Fremstad, a soprano at the Met, a Swedish immigrant's success as a singer alienates her from her small midwestern home town.

ANSWER: The Song of the Lark

10 She adopted full pharaonic [fah-RAH-nik] titles and regalia, and sent an expedition to Punt. 10 points each.

[10] Name this New Kingdom queen known for her funeral complex at Deir al-Bahri.

ANSWER: Hatshepsut or Hatshopsitu

[10] Hatshepsut was regent for this king; after he replaced her, he erased her name from monuments. The Egyptian empire was at its largest under him.

ANSWER: Thutmose III

[10] Thutmose and Hatshepsut both belonged to this dynasty, as did Akhenaton.

ANSWER: 18th Dynasty or Dynasty XVIII

11 He has directed music videos for Madonna and the Wallflowers. 10 points each.

[10] Name this director of *The Game* and *Alien 3*.

ANSWER: David Fincher

[10] In this 1999 film whose tagline was "Mischief, Mayhem, Soap," Fincher directed Meat Loaf, Helena Bonham Carter, Edward Norton, and Brad Pitt.

ANSWER: Fight Club

[10] In this Fincher film, Pitt and Morgan Freeman are detectives tracking down serial killer John Doe.

ANSWER: Seven or Se7en

17 Name these auction types, 10 points each.

[10] The auctioneer starts with a reserve price. Bidders offer successively higher bids until only the winner is left.

ANSWER: English auction

[10] Each bidder turns in a single bid secretly, with no chance to respond to other bidders.

ANSWER: sealed-bid auction [do not accept "silent" auction]

[10] The auctioneer begins with a maximum price, and then lowers the bid sequentially until a buyer is found. These auctions typically run very quickly.

ANSWER: Dutch auction

18 Given the year of a notable volcanic eruption and its location, name the volcano, 10 points each.

[10] Japan, 1707 ANSWER: Mount Fujiyama or Fuji-san or Fuji no Yama

[10] Indonesia, 1815 ANSWER: Mount (or Gunung) Tambora

[10] Mexico, 1702 ANSWER: Popocatepetl

19 Name these priestly vestments, 10 points each.

[10] The major liturgical vestment of a priest, it matches the liturgical color and resembles a long, sleeveless poncho.

ANSWER: chasuble

[10] This long, white vestment worn by all clerics at religious celebrations takes its name from the Latin for "white."

ANSWER: alb

[10] This tall, pointy hat is worn by bishops, cardinals, and the Pope.

ANSWER: mitre

20 Answer these questions on prime numbers, 10 points each.

[10] What name is given to prime numbers of the form $2^n - 1$ [2 to the n th power minus 1], of which 39 have been found?

ANSWER: Mersenne primes

[10] In addition to being a titanic or gigantic prime, any prime number with at least one million digits also receives what (fun) name?

ANSWER: megaprime

[10] What method for finding prime numbers, in which one crosses out multiples of prime numbers, can be simplified by using certain numbers of columns?

ANSWER: sieve of Eratosthenes [eh-ruh-TAH-stuh-neeZ]

21 Peasants had to pay it, but nobles, the clergy, and certain others were exempt. 10 points each.

[10] Name this direct tax of pre-Revolutionary France.

ANSWER: *la taille* [tie]

[10] Louis XIV's controller general, he attempted to reform the collection of the *taille*.

ANSWER: Jean-Baptiste Colbert

[10] Those who paid the *taille* were also required to perform this unpaid work on public projects.

ANSWER: *la corvée* [KOR-vay]

22 An aborted 1604 settlement on St. Croix Island was France's first attempt to found a colony on Canada's eastern seaboard. 10 points each.

[10] Name this region, centered in present-day Nova Scotia.

ANSWER: Acadia

[10] This chief town of Acadia changed hands between France and Britain five times from 1605 to 1710.

ANSWER: Port Royal or Annapolis Royal

[10] This 1713 treaty gave control of Acadia to the British.

ANSWER: Treaty of Utrecht

23 Name these roads from US history, 10 points each.

[10] Running from Independence, Missouri to Fort Vancouver, many settlers followed it in the 1840s. It's the namesake of an infamous educational game.

ANSWER: Oregon Trail

[10] Authorized when Ohio joined the Union, it ran from Cumberland through Columbus to Vandalia, Illinois.

ANSWER: National Road

[10] Authorized by Congress in 1797, this road went from Wheeling to Limestone, and later to Nashville.

ANSWER: Zane's Trace

24 Answer these questions about the Brazilian empire, 10 points each.

[10] What first emperor of Brazil declared independence from Portugal?

ANSWER: Pedro I or Pedro IV of Portugal [prompt on "Dom Pedro"]

[10] Pedro lost the Cisplatine Province in 1828 after a long dispute with Argentina. What country did the Cisplatine become?

ANSWER: Uruguay

[10] Brazil's influence in Uruguay's affairs prompted Paraguay to start what war, in which Paraguay found itself fighting not only Brazil, but Argentina and Uruguay as well?

ANSWER: War of the Triple Alliance [One of the worst ideas in history.—Ed.]

25 It went into receivership in 2001 and had to turn its operations over to a former regional subsidiary. 10 points each.

[10] Name this European airline.

ANSWER: Swissair or SAirGroup

[10] This country's government kept demanding that Swissair give money to its national airline, Sabena.

ANSWER: Belgium

[10] Swissair's operations were taken over by this airline, named for the symbol on the Swiss flag.

ANSWER: Crossair

26 Name these people from old-time Yankee literature, 10 points each.

[10] This Nathaniel Hawthorne character loses his faith in everyone he knows when a fellow traveler leads him to a celebration of a witches' sabbath.

ANSWER: Young Goodman Brown

[10] This Herman Melville title character answers "I prefer not to" on his third day of copying manuscripts.

ANSWER: Bartleby (the) Scrivener

[10] Melville satirized this thinker, author of *Nature* and *The American Scholar*, as a philosophical con-man.

ANSWER: Ralph Waldo Emerson

27 Give the name by which the United States is known in the official language of the following countries, 10 points each.

[10] Martinique ANSWER: Les États-Unis [ay-TAH zoo-NEE]

[10] Mozambique ANSWER: Los Estados Unidos

[10] Curaçao ANSWER: Verenigde Staten [vuh-REH-neeeg-duh]

28 30-20-10. Name the movie from quotes.

[30] "I love Rudy, and he is totally enamored of me. I mean, other men have loved me, but not for six whole months in a row."

[20] "Ted, that's a Rolls Royce. Ted, that's the prom queen."

[10] "Can I borrow your underpants for 10 minutes?"

ANSWER: Sixteen Candles