

Vowel Trouble

TTGT11 v.4.11: None More Black

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Theme: All answers in this packet begin and end with vowels. If an answer consists of more than one word, then the first letter of the first word and the last letter of the last word will be vowels. Please keep this in mind as you answer or if you are prompted. Sometimes, a more complete answer can be given that will not fit this scheme, but these will not be penalized.

TOSS-UPS

1. The Boolean form of this uses a set that is closed under two commutative binary operations and that can be described by any of various systems of postulates all of which can be deduced from the postulates that an identity element exists for each operation, that each operation is distributive over the other, and that for every element in the set there is another element which when combined with the first under one of the operations yields the identity element of the other operation. FTP, name this process in which letters representing numbers are combined according to the rules of arithmetic.

Answer: algebra

2. On the basis of available evidence and the nature of similar viruses, researchers believe that this virus is animal-borne and is normally maintained in an animal host that is native to the African continent. The virus is one of two members of a family of RNA viruses called filoviridae. There are four identified subtypes. Subtypes -Zaire, -Sudan, and -Ivory Coast have all caused disease in humans, and the fourth subtype, -Reston, has caused disease in nonhuman primates. FTP, name this virus responsible for a severe, often fatal hemorrhagic fever that takes its name from the river in the Congo where it first emerged in 1976.

Answer: Ebola

3. This modern programming language was designed and standardized to support and strongly encourage widely recognized software engineering principles including information hiding, abstract data types, and object-oriented programming. Not a superset or extension of any other language, it does provide standardized mechanisms to interface with other languages such as FORTRAN, COBOL, and C. FTP, name this computer language first adopted by the federal government in 1983 and named for the daughter of Lord Byron.

Answer: Ada

4. A typical recipe for the herbal flavoring extract, attributed to Henri-Louis Pernod, calls for a ground up mixture of aniseed, star anise, and wormwood among others. A steam distillation of this mixture is done. More wormwood is added to the distillate and then diluted with ethanol to 75% alcohol by volume. The subject of paintings by Toulouse-Lautrec, it became wildly popular in bohemian circles until the nations of Europe banned it prior to World War I. FTP, name this green liqueur, one of the suspected causes of Van Gogh's depression, psychotic behavior, and suicide.

Answer: Absinthe

5. This document was drawn up in October, 1854 by James Buchanan, John Y. Mason, and Pierre Soulé. The Secretary of State under President Pierce instructed Soulé to try to buy Cuba from Spain, but Soulé antagonized the Spanish with his political intrigues and aggressive threats. Pierce then ordered a conference of the three diplomats in Europe. That meeting resulted in—FTP—this infamous proposal to annex Cuba, named for the town in which it was conceived.

Answer: Ostend Manifesto

6. This amorous and ardent young East Coaster is intent on rebelling against his staid, Midwestern upbringing and longs to acquire the patina of Eastern sophistication. In his quest for sexual and intellectual enlightenment, he progresses through a series of relationships, which is how he becomes the lover of Rosalind Connage. FTP, give the first and last name of this semi-autobiographical protagonist of F. Scott Fitzgerald's "This Side of Paradise".

Answer: Amory Blaine

7. Published in 1944 and awarded a Pulitzer Prize in 1945, this novel's action takes place during World War II after the occupation of Sicily by Allied forces. Major Victor Joppolo, an American officer of Italian descent, attempts to reform the town and bring democracy to the people. Joppolo wins the love of the townspeople when he searches for a replacement for the 700 year-old town bell that had been melted down for bullets by the fascists in—FTP—this John Hersey work.

ANSWER: A Bell For Adono

8. Born in 1887 on a dairy farm in Wisconsin, she received her diploma in 1905 and left to attend the Art Institute of Chicago, but did not return to the Institute the following year after a bout with Typhoid Fever. Instead, in 1907 she enrolled at the Art Student League in New York City. She married photographer Alfred Stieglitz in 1924. FTP, name this artist who—after Stieglitz passed away—lived in the deserts of New Mexico until her death at age 98.

ANSWER: Georgia O'Keefe

9. A salesman who was short of money accepts an offer from a man named Hawthorne of 300-plus-dollars a month to become Agent 59200/5 of MI6. Among his imaginary subordinates are Engineer Cifuentes and Teresa the exotic dancer. To keep his job, Wormwood files bogus reports and dreams up military installations from vacuum-cleaner designs. But all is fine in, FTP, this Graham Greene work until Wormwood's stories start becoming disturbingly true.

ANSWER: Our Man in Havana

10. Born in China in 1917, he came to the United States in 1935 to study architecture at the Massachusetts Institute of Technology and then at the Harvard Graduate School of Design where he trained under Gropius. He has specialized in large institutional and commercial buildings, his first well known skyscraper being Mile High Center in Denver. FTP, name this man, 1983 Pritzker Architecture Prize Laureate and creator of the pyramid that graces the outside of the Louvre.

ANSWER: Ieoh Ming Pei

11. Regardless of what the name implies, this does not actually include a physical loss of appetite. Rather, it is a psychological desire for control and perfection, a reaction to stressful and unpleasant surroundings and emotions, and an attempt to cope with them. Typically, this disorder occurs in females in late adolescence and early adulthood, most often among upper-class families. FTP, name this disorder characterized by the inability to maintain even a minimal body weight, excessive fear of weight gain and significant disturbance in body image.

ANSWER: anorexia nervosa (prompt on 'anorexia')

12. A nonmetallic chemical element with melting and boiling points of 113.5°C and 184.35°C, atoms of this can have a valence -1, +1, +3, +5, or +7. Dark-gray to purple-black, this lustrous, solid element with a rhombic crystalline structure is the least active of the halogens. Normally diatomic, when heated it passes directly from the solid to the vapor state. FTP, name this element discovered in 1811 by Bernard Courtois with atomic number 53.

ANSWER: Iodine

13. The highland plateaus split the country into three drainage systems: one which drains into the Okavango River basin, one into the Zambezi system, and one into the Congo River basin. With an estimated population of 11,200,000 in 1994, this is bounded by the Atlantic Ocean on the west, by Congo on the north and northeast, by Zambia on the east, and by Namibia on the south. FTP, name this African country with Luanda as its capital, largest city, and chief port.

ANSWER: Angola

14. Developed in the mid-17th century in France, a curved form, often with the present instrument's characteristic bulbous bell, appeared in the 18th century and was employed occasionally by Bach, Haydn, and Mozart. The d'amore version, pitched a minor third lower was much used in the baroque era. FTP, name this woodwind, whose mouthpiece uses a double reed, like its cousins English horn, the bassoon, and the contrabassoon or double bassoon.

ANSWER: oboe

15. The story follows a century in the life of Macondo, a village founded by José Arcadio Buendía and occupied by descendants all sporting variations on their progenitor's name. Several tales are described, such as an entire town struck with insomnia, a woman who ascends to heaven while hanging laundry, and a suicide that defies the laws of physics. FTP, name this story by Gabriel Garcia Marquez that sees its hero and protagonist shot before a firing squad after recounting tales throughout the book.

ANSWER: "One Hundred Years of Solitude" (prompt on 'cien anos de solidad')

16. The picture was commissioned by Guasparre di Zanobi del Lama for the Epiphany's chapel in the Florentine church of Santa Maria Novella. This sacred scene is today very important because many figures portray features of members of the Medici family: Cosimo the Elder as the old king in front of the Child, his son Piero, called the Gouty, as the kneeling king with red mantle in the center, Lorenzo the Magnificent as the young man at his right, in profile, with a black and red mantle. FTP, name this painting containing a figure looking out at the spectator that is probably the self-portrait of Botticelli.

ANSWER: The Adoration of the Magi

17. Commanded by Captain Charles Sigsbee and destroyed February 15, 1898 by an explosion that killed 260 men, this first modern armored cruiser had been sent to Cuba to protect American life and property from the revolutionary turmoil there. Several possible causes for the explosion have been reported, including a submarine mine, but whatever the truth of the matter, FTP, "Remember [this ship], To Hell with Spain" became a patriotic slogan during the Spanish-American War.

ANSWER: The USS MAINE

18. Reaching its highest point in the evening sky in late August, this equatorial constellation located north of Sagittarius and Capricornus lies partly in the Milky Way. The brightest nova ever seen occurred in this constellation in 1918. Other novas were observed in here in 389 and 1899 as well as two in 1936. FTP, name this constellation, sometime depicted as an eagle, and containing Altair and the pulsating variable star Eta Aquilae.

ANSWER: Aquila

19. A graduate of the Toho School of Music, this man won competitions in Europe and the United States and was hired in 1961 by the New York Philharmonic as an assistant conductor. He was director of the Toronto Symphony Orchestra from 1965 to 1970 and of the San Francisco Symphony Orchestra from 1970 to 1973. FTP, name this Japanese conductor who served as the music director of the Boston Symphony Orchestra from 1973 to 1999, the first non-European to hold the position.

Answer: Seiji Ozawa

20. Some agencies associated with this organization include the YMCA, the YWCA, the National Catholic Community Service, the Salvation Army, the Jewish Welfare Board, and the National Travelers Aid Association. Organized in 1941, its services were discontinued at the end of 1947 but were resumed early in 1949 at the request of President Truman. FTP, name this program with over 120 centers worldwide that provide recreation for on-leave members of the U.S. armed forces and their families.

ANSWER: the USO (prompt on "United Service Organization")

21. Estimated to be from 1,500 to 1,700 miles long, this river rises near Mt. Delgado Chalbaud in the Guiana Highlands. One of South America's longest rivers, the Apure River is its chief tributary. Joined to the Amazon system by the Casiquiare, the huge flow of this river varies markedly with the season. Divided into upper and lower courses by the Ature and Maipures cataracts, the river is navigable for most of its length. FTP, name this river that flows in a giant arc through Venezuela to the Atlantic Ocean.

ANSWER: The Orinoco River

Bonuses

1. Answer the following relating to electrical science FTPE:

(10) This is the practical meter-kilogram-second unit of electric current that is equivalent to a flow of one coulomb per second or to the steady current produced by one volt applied across a resistance of one ohm.

Answer: ampere (DO NOT accept: amp)

(10) This is the positive terminal of an electrolytic cell OR the negative terminal of a galvanic cell.

Answer: anode (DO NOT accept: electrode)

(10) The term for either of the two terminals of a battery that conduct current into and out of the medium.

Answer: electrode (DO NOT accept: anode or cathode)

2. FTPE, answer the following related questions:

(10) What Greek letter denotes a negatively charged elementary particle that has a mass 3270 times the mass of an electron?

Answer: omega minus

(10) What Greek letter denotes a positively charged nuclear particle identical with the nucleus of a helium atom that consists of two protons and two neutrons and is ejected at high speed in certain radioactive transformations?

Answer: alpha

(10) For the final ten, what other Greek letter fits the theme of this packet and means in contemporary English "an infinitesimal amount"?

Answer: iota

3. Answer these questions about Jupiter's moons FTSNOP:

(15) This small, elongated moon was probably formed by the coalescence of sulfur particles ejected from Io and was named for the she-goat that was meant to raise Zeus.

Answer: Amalthea

(10) This moon has a white, smooth surface covered with long dark streaks up to 70 km in width, named for the mother of Minos, Rhadamanthus, and Sarpedon.

Answer: Europa

(5) This moon is the closest of the four Galilean moons, named for a maiden changed into a heifer by Zeus so that she might escape the jealous rage of Hera.

Answer: Io

4. Name the bone given a description FTNSOP:

(10) In standard anatomical position, the bone on the medial side of the human forearm; *also*: a corresponding part of the forelimb of vertebrates above fishes.

Answer: Ulna

(20) This bone extends horizontally along the lateral wall of the nasal cavity and consists of a lamina of spongy bone, curled upon itself like a scroll. It has two surfaces, two borders, and two extremities.

Answer: Inferior Nasal Concha

5. Pencils and paper ready! Consider the equation $y = A \sin Bx$, where A and B can be any positive number. For 15 points:

(15) What characteristic of the sine wave is affected by changing the value of A?

Answer: amplitude

(15) For another 15 points, the above equation is not this special type of function, defined "for every single point B in the range of a function, there exists a single unique point in the domain."

Answer: One to One (accept: injective)

6. Name the Latin phrase commonly found in English FTPE.

(10) Adverb, [literally, in a chamber] meaning in private or secretly.

Answer: in camera

(10) Adverb or adjective, [literally, from the stronger] meaning for a stronger reason or "all the more".

Answer: A fortiori

(10) Adverb or adjective, [literally, from the latter] meaning inductive or "relating to or derived by reasoning from observed facts".

Answer: a posteriori

7. Answer the following related questions FTPE:

(10) This man, whose full name I will require, was an editor of the *Southern Literary Messenger* from 1835 to 1837.

Answer: Edgar Allen Poe

(10) What is the name for Poe's 1848 work of transcendentalist prose containing the line "Nevertheless it is as a Poem only that I wish this work to be judged after I am dead."

Answer: Eureka!

(10) What medium dry sherry was the subject of a Poe story in which a man is buried alive?

Answer: Amontillado ("The Cask of Amontillado")

8. Name the term used in the social sciences given the definition FTPE:

(10) In economics: the graphical expression of a utility function, where the horizontal axis measures risk and the vertical axis measures expected return.

Answer: indifference curve

(10) In sociology: an impractical scheme for social improvement OR a place of ideal social conditions

Answer: utopia

(10) In psychology: an inner feminine part of the male personality.

Answer: anima

9. Name the 80's band given songs on a 10/5 basis.

(10) Close

(5) Kiss

Answer: Art of Noise

(10) 1980-F

(5) Der Kommissar

Answer: After the Fire

(10) The Sun Always Shines on TV

(5) Take On Me

Answer: A-ha

10. Answer the following regarding the oh-so-complex Oedipus FTSNOP:

(10) Laius, Oedipus' father, was warned by the by this oracle that he would be killed by his own son.

Answer: Apollo at Delphi OR Oracle at Delphi OR Oracle of Apollo at Delphi

(5,5) These are the names of Oedipus' two daughters.

Answer: Ismene AND Antigone

(10) Oedipus died at Colonus, after this god had promised him that the place of his death would remain sacred and would bring great benefit to the city of Athens

Answer: Apollo

11. Name the work 30-20-10:

(30) This piece was first performed at a semi-private concert at the palace of Prince Lobkowitz (its eventual dedicatee) in December 1804.

(20) In the recapitulation of the first movement there is a passage where the horn anticipates the return to the home key by several bars. This was so surprising, that Ferdinand Ries, one of the composer's pupils, remarked that the "damned horn player" had come in too early. The composer was less than amused.

(10) This is the moniker oft-given to Beethoven's 3rd Symphony

Answer: Eroica (Prompt on Beethoven's 3rd Symphony before the 10-point clue)

12. Answer the following about classical music FTPE:

(10) In Mozart's opera, Don Giovanni attempts to steal Donna Anna from this man.

Answer: Don Ottavio

(10) What is the more common name given to Beethoven's piano Sonata #23 in F minor, Opus 57?

Answer: Appassionata

(10) Also known as the C-clef, this clef used by violists is pitched lower than the Treble Clef but higher than the Bass Clef.

ANSWER: Alto clef

13. Name the following characters from literature, fifteen points apiece:

(15) The first "Canterbury Tales" is that of the knight who tells of competitors in a tournament for the love of what Amazon princess?

Answer: Emelye

(15) In Thomas Hardy's last novel, *Jude the Obscure*, Jude first falls in love with this woman, the daughter of the local pig breeder. She eventually lies to him, convincing him that she's pregnant, and they embark on a very troubled marriage.

Answer: Arabella Donn

14. Answer the following Shakespeare related questions FSNOP:

(5) Name the Merchant of Venice.

Answer: Antonio

(10) This Shakespeare play contains the quote, "One that loved not wisely but too well".

Answer: Othello

(5) Name the daughter of Polonius driven mad by Hamlet's treatment of her and her father's death.

Answer: Ophelia

(10) This Shakespeare play contains the quote, "Age cannot wither her".

Answer: Antony and Cleopatra

15. Answer the following about a play, 30-20-10-5

(30) The protagonist of this play is Doctor Thomas Stockmann

(20) This play is a five-act drama by Henrik Ibsen, published in 1882 first performed in 1883.

(10) Dr. Stockman is charged with inspecting the public baths on which the prosperity of his native town depends. He finds the water to be contaminated.

(5) When he refuses to be silenced about the contamination, the townspeople brand him with this title, also the title of the play.

ANSWER: "An Enemy of the People"

16. Name these characters from "The Faerie Queene", 15 points apiece:

(15) The hero of Book I is actually St. George, but is generally called the Redcrosse Knight, and this allegorical stand-in for the Protestant church is Redcrosse's lady.

ANSWER: Una

(15) Redcrosse is defeated by this giant, a symbol of pride.

Answer: Orgoglio

17. For 15 points apiece, given a war, name the treaty that ended it.

(15) War of Austrian Succession

Answer: Aix-La-Chapelle

(15) Russo-Turkish Wars

Answer: Adrianople or Edine

18. Given information about a state flag, name the state FTPE:

(10) The burgee was designed by John Eisemann. The 13 stars grouped about the circle represent the original states of the union, and the 4 stars added to the peak of the triangle symbolize that this was the 17th state admitted to the union.

Answer: Ohio

(10) The rays of red and gold on the top half of the flag represent both the 13 original colonies of the Union, and the rays of the Western setting sun. Red and gold were also the colors carried by this state's Spanish expedition in search of the Seven Cities of Cibola in 1540.

Answer: Arizona

(10) A blue field with the state seal twenty-one inches in diameter in the center, the woman on the seal represents liberty, justice and equality. The man is a miner. The pictures on the shield represent the main industries of forestry, farming and mining. Esto perpetua (Let it be perpetual) graces the bottom banner.

Answer: Idaho

19. Give the following terms related to physics and chemistry FTPE:

(10) Temperatures within a few billionths of a degree above this have been achieved in the laboratory. At such low temperatures, gases assume a nontraditional state, the Bose-Einstein condensate.

Answer: absolute zero

(10) This is an elementary particle corresponding to an ordinary particle such as the proton, neutron, or electron, but having the opposite electrical charge and magnetic moment.

Answer: antiparticle

(10) This physical principle enunciated by Heisenberg in 1927 that places an absolute, theoretical limit on the combined accuracy of certain pairs of simultaneous, related measurements.

Answer: the uncertainty principle

20. Give the following terms related to philosophy FTPE:

(10) The opposite of relative. In modern times, both realists and idealists have used the term, but it is, perhaps, most intimately connected with the idealism of G. W. Hegel.

Answer: absolute

(10) To Aristotle, the nature of a thing.

Answer: essence

(10) This means living through events and the impression on a person or animal of events.

Answer: experience

21. Given a brief description, name these related individuals FTPE:

(10) Also known as Aleksandr Aleksandrovich, he was czar of Russia 1881–94.

Answer: Alexander III

(10) Also known as Aleksandr Pavlovich, he was czar of Russia 1801–1825.

Answer: Alexander I

(10) He died in 1181, was Italian ecclesiastic, and was Pope from 1159 until his death.

Answer: Alexander III

22. Name these minor characters in mythology for 15 points apiece.

(15) In Norse mythology, the dwarf from whom Loki extorted a treasure, including a magic ring, to give to Hreidmar as wergild for the killing of Otter. This dwarf then cursed all those who would possess the treasure.

ANSWER: Andvari

(15) In Greek mythology, a Trojan princess and the wife of Hector and mother of Astyanax. After the Trojan War she was carried away by Neoptolemus, whose father, Achilles, had slain her husband. She later married Hector's brother Helenus and they jointly ruled Epirus. She is a noble figure in the Iliad; Euripides and Racine wrote plays about her.

ANSWER: Andromache