



2018 MVS RAMS

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Edited by Tyler Benedict

Packet 06

1. **This author wrote an essay in which a colonial police officer in Burma undertakes the title action “solely to avoid looking a fool.” In addition to “Shooting an Elephant,” this author denounced words with Greek and Latin roots in “Politics and the English Language.” In one of this author’s novels, the protagonist is tortured with (*) rats in Room 101, while another novel by this author describes a power struggle between Napoleon and Snowball, two pigs. For 10 points, name this British author of *1984* and *Animal Farm*.**

ANSWER: George Orwell [or Eric Arthur Blair]

This substance is produced in the Haber-Bosch process. For 10 points each:

[10] Name this substance with formula NH_3 .

ANSWER: ammonia [prompt on “nitrogen trihydride”]

[10] Today, most ammonia is used to make this product for the agriculture industry. This product is applied to soil to provide plant nutrients.

ANSWER: fertilizer [accept word forms]

[10] Ammonia is combined with this diatomic gas in the first step of the Ostwald process, which is used to produce nitric acid. Joseph Priestley called this gas “dephlogisticated air.”

ANSWER: oxygen [or O₂]

2. **These creatures can be found in all oceans with the exception of the polar regions, although most species are found living in *Sargassum* seaweed beds over continental shelves. Of this animal’s seven living species, four are classified as endangered. Although males never return to (*) shore after they are born, females return to the same beaches each time to lay eggs. For 10 points, name these marine reptiles which come in leatherback, loggerhead, and hawksbill varieties.**

ANSWER: sea turtles [or marine turtles; or Chelonioidea]

Answer the following about ancient Mesopotamia for 10 points each.

[10] This Mesopotamian city-state near modern-day Baghdad was home to the Ishtar Gate and the Etemenanki Ziggurat, as well as some eponymous Hanging Gardens.

ANSWER: **Babylon**

[10] The Hanging Gardens of Babylon were supposedly built by this man, who was also responsible for building the Ishtar Gate.

ANSWER: **Nebuchadnezzar II** [prompt on “Nebuchadnezzar”]

[10] This man established the first Babylonian Empire one thousand years before Nebuchadnezzar. He is remembered today for his namesake law code, which includes such concepts as “an eye for an eye.”

ANSWER: **Hammurabi** [or **Hammurabi**’s Code; or the Code of **Hammurabi**]

3. **This man took power during a coup on the 18th of Brumaire, and within a year his Grand Armee [Grond Ar-MAY] defeated Austria and Russia at the Battle of (*) Austerlitz.** His invasion of Russia in 1812 was a disastrous failure, and after a loss at the Battle of Leipzig [Lipe-zigg] this man was exiled to Elba. For 10 points, name this Emperor of France who was defeated for good at the Battle of Waterloo.

ANSWER: **Napoleon Bonaparte** [or **Napoleon** I; or **Napoleone Buonaparte**; accept any underlined name]

Answer the following about teams of explorers for 10 points each:

[10] Sir Edmund Hillary teamed up with Tenzing Norgay to reach the summit of this mountain in 1953. This mountain lies near Tenzing’s home region of Khumbu, Nepal and is the tallest in the world.

ANSWER: Mount **Everest** [or **Chomolungma**]

[10] Matthew Henson, an African-American explorer, was the right-hand man of Robert Peary and claimed to have been the first man to reach this geographic point, although the claim has been disputed.

ANSWER: **North Pole** [or Geographic **North Pole**; or Terrestrial **North Pole**; do not accept or prompt on “magnetic North Pole”]

[10] This Norwegian teamed up with aviator Umberto Nobile to fly to the North Pole in 1922. This man had already become the first person to reach the South Pole in 1911, beating out his rival Robert Scott.

ANSWER: Roald (Engelbregt Gravning) **Amundsen**

4. **This figure's deeds are recorded by Johnny Inkslinger, who once saved twelve barrels of ink by not crossing his t's or dotting his i's for a week. During the Winter of the Blue Snow, this figure found his most notable companion, for whom he dug the (*) Great Lakes.** In another story, this figure created Mount Hood by placing stones on his campfire. For 10 points, name this giant lumberjack whose companion is the blue ox Babe.

ANSWER: Paul **Bunyan**

In Greek mythology, Zeus had a thing for mortal women. Answer the following about Zeus's adventures in seduction for 10 points each.

[10] This partner of Zeus was transformed into a white cow in order to hide her from Hera, Zeus's jealous wife. She was a princess of Argos and a priestess of Hera before her transformation.

ANSWER: **Io**

[10] Zeus also fathered this woman with Leda. She was said to be the most beautiful in the world, and her abduction started the Trojan War.

ANSWER: **Helen** of Troy

[10] Zeus seduced Leda, Helen's mother, in the form of this bird. Zeus later commemorated Helen's birth by hanging the constellation Cygnus in the sky.

ANSWER: **swan**

5. **In this work, the story of the Ring of Gyges [Guy-jeez] is told by Glaucon, which he uses to pose the question of whether a man would live immorally if he knew he would not be caught. Artists are condemned in this work because their crafts are weak imitations of ideal forms. This work describes a (*) Kallipolis ruled by philosopher-kings, and this work's most famous section is the Allegory of the Cave, which is told by Socrates.** For 10 points, name this work by Plato that describes an ideal society.

ANSWER: The **Republic** [or Plato's **Republic**; or **Politeia**; or **Res Publica**]

Answer the following about Snell's Law for 10 points each.

[10] Snell's law deals with this phenomenon, in which light bends as it changes from one medium to another.

ANSWER: **refraction** [or word forms]

[10] Snell's law is a key part of this branch of physics, which deals with the behavior and properties of light. Lenses are commonly-used lab equipment when studying this branch of physics.

ANSWER: **optics**

[10] Snell's law is derived from this Frenchman's "principle of least time." This man also did work in mathematics, leading to his namesake "Little Theorem" and "Last Theorem."

ANSWER: Pierre de **Fermat**

6. **This element bonds with itself in long chains in a process called catenation. This element has four electrons available to form covalent bonds. Graphite and (*) diamond are both allotropes of this element, and one isotope of this element is used to determine the age of organic artifacts. For ten points, name this element, number 6, that is the basis of all life.**

ANSWER: **carbon** [or **C**]

This author included the semi-autobiographical character Stephen Dedalus in his novels *A Portrait of the Artist as a Young Man* and *Ulysses*. For 10 points each:

[10] Name this Irish writer.

ANSWER: James **Joyce**

[10] Joyce's *Ulysses* centers on Leopold Bloom, who spends one day wandering around this capital city. Joyce also wrote a short story collection about residents of this city.

ANSWER: **Dublin** [accept **Dubliners**]

[10] This story from *Dubliners* is named for a church bazaar with a Middle Eastern theme, where the protagonist goes to buy a present for Mangan's sister only to discover he does not have enough money.

ANSWER: "**Araby**"

7. **In one work written in this language, Arnolphe plans to marry his ward Agnes; that work in this language is *The School for Wives*. Another work written in this language describes Alceste's courtship of Celimene, despite being the title "misanthrope." A third play written in this language describes how the household of (*) Orgon is visited by the title hypocrite, Tartuffe. For 10 points, name this language of Moliere, who premiered his plays in Paris.**

ANSWER: **French** [or **Francais**]

Films made in this nation include Satyajit Ray's "Apu Trilogy," of which the first installment is *Pather Panchali*. For 10 points each:

[10] Name this country which produces more films than any other, many coming from its Bollywood film industry.

ANSWER: **India** [or **Bharat**]

[10] This star known as the "King of Bollywood" has appeared in over 80 films, including *Kuch Kuch Hota Hai* and *Kabhi Kushi Kabhi Gham*. He is also the co-founder of the production company Red Chillies Entertainment.

ANSWER: Shah Rukh **Khan** [prompt on "SRK"]

[10] The vast majority of Bollywood films are in this language, the official language of India along with English, unlike Tamil-language Kollywood and Telugu-language Tollywood.

ANSWER: **Hindi** [or **Hindustani**; or **Hindi-Urdu**; do not accept "Hindu"]

8. **One of this man's symphonies uses a C-D-F-E motif to begin the final movement. That symphony, this man's 41st, was nicknamed for the chief Roman god. In addition to the "Jupiter" symphony, this man wrote a work that was completed by Franz Sussmayr; that work is this man's (*) Requiem Mass in D Minor, which he was working on at the same time as his opera *The Magic Flute*. For 10 points, name this Austrian composer, a child prodigy who composed his first symphony at age eight.**

ANSWER: Wolfgang Amadeus **Mozart**

This artist painted five nude women with faces inspired by African masks in his *Les Femmes d'Alger (O. J. M.)*. For 10 points each:

[10] Name this Spanish painter of *Weeping Woman*, modeled on his mistress, Dora Maar.

ANSWER: Pablo (Ruiz) **Picasso**

[10] Dora Maar, a photographer, documented Picasso's progress on this large *grisaille* [gree-saye] painting about the bombing of the title town. This painting features a flower blooming from a broken sword and the head of a bull.

ANSWER: **Guernica**

[10] Picasso included this stringed instrument in many of his collages and Cubist paintings. During his Blue Period, Picasso painted an "Old" player of this instrument, which now hangs in the Art Institute of Chicago.

ANSWER: **guitar** [or *The Old **Guitarist***]

9. **One of this person’s notable failures was the establishment of a model community for coal miners; that community was Arthurdale. She wrote a newspaper column called “My Day” that ran from 1935 to 1962, and she resigned from the Daughters of the American Revolution over a (*) concert to be given by black singer Marian Anderson. She served as delegate to the United Nations under Harry S Truman, her husband’s successor. For 10 points, name this First Lady, the wife of Franklin Roosevelt.**
ANSWER: Eleanor Roosevelt [or Anna Eleanor Roosevelt; prompt on “Roosevelt” alone]

In this author’s poem “Mother to Son,” the speaker says that “Life for me ain’t been no crystal stair.” For 10 points each:

[10] Name this author who wrote a page for his “older, and white, and somewhat more free” teacher in his poem “Theme for English B” and posed the question “What happens to a dream deferred?” in another work.

ANSWER: Langston Hughes [or James Mercer Langston Hughes]

[10] Hughes was a member of an African-American literary “renaissance” centered in this namesake New York City neighborhood. This neighborhood’s “renaissance” also included poets such as Countee Cullen and James Weldon Johnson.

ANSWER: Harlem [or Harlem Renaissance]

[10] This other Harlem Renaissance author, known for her novel *Their Eyes Were Watching God*, collaborated with Hughes on the play *Mule Bone* and the literary journal *FIRE!!*, in which she published her short story “Sweat.”

ANSWER: Zora Neale Hurston

10. **In one popular depiction of this character in which he is “mocking,” this character wears a hat with an anchor on it and speaks in alternating capital and lowercase letters. That depiction of this character actually comes from an episode in which he clucks like a chicken. This character’s namesake show includes the episode (*) “Band Geeks,” in which this character’s best friend asks if mayonnaise is an instrument. For 10 points, name this yellow animated character who lives in Bikini Bottom and also ends up featured in a lot of memes.**
ANSWER: SpongeBob SquarePants [accept either underlined name]

Answer the following about the Industrial Revolution for 10 points each.

[10] This Scottish inventor and engineer devised a namesake steam engine that helped power the Industrial Revolution. Today, he names the SI unit of power.

ANSWER: James **Watt**

[10] During the Industrial Revolution, the textile industry benefited from the introduction of this machine invented by Eli Whitney, which vastly increased productivity.

ANSWER: **cotton gin** [or **cotton engine**]

[10] The so-called Second Industrial Revolution saw this metal becoming more widely used for construction, replacing the less durable iron. Henry Bessemer names an industrial process used to develop this metal.

ANSWER: **steel**

11. **Japan's Chikyu Hakken probe is attempting to drill into this region. The upper part of this region contains a low-velocity zone bounded by the lithosphere and (*) asthenosphere. This region contains the Mohorovicic discontinuity. This layer's namesake plumes cause hotspots. For 10 points, name this region of the Earth that lies directly below the crust and surrounds the core.**

ANSWER: **mantle** [accept **upper mantle** or **lower mantle**; accept **Mohorovicic Discontinuity** before "upper"]

Answer the following about the "Bone Wars" for 10 points each.

[10] Two practitioners of this scientific discipline, Edward Drinker Cope and Othniel Marsh, were pitted against each other in the "Bone Wars." Stephen Jay Gould was an acclaimed 20th century practitioner of this discipline.

ANSWER: **paleontology**

[10] Cope and Marsh were both looking to discover new species of these giant reptiles. Paleontologist Richard Owen coined the name for these creatures by taking the Greek for "terrible lizard."

ANSWER: **dinosaurs**

[10] On paper, Marsh defeated Cope in the Bone Wars, discovering 80 new species of dinosaur. One of Marsh's signature discoveries was this three-horned dinosaur genus.

ANSWER: **Triceratops**

12. **In one of this man's short stories, Aylmer attempts to remove the title blemish from his wife Georgiana's face, killing her in the process. In another of this man's short stories, the title character sees his wife Faith attending a witches' sabbath in the woods. This man's best-known novel features a woman in a (*) Puritan town who is forced to wear the title object. That woman is Hester Prynne, who is pregnant with Reverend Dimmesdale's illegitimate child. "Young Goodman Brown" and *The Scarlet Letter* were written by, for 10 points, which American author?**

ANSWER: Nathaniel Hawthorne

This religious sect was founded by George Fox, and some members of this faith follow an unprogrammed form of worship marked by long periods of silence. For 10 points each:

[10] Name these people who gather for worship in "meeting houses" and seek "the light within."

ANSWER: Quakers [or Religious Society of Friends; or Friends Church]

[10] This sect, founded by Mother Ann Lee, is an offshoot of the Quakers. They are noteworthy for practicing strict celibacy, writing hymns such as "Simple Gifts," and building awesome furniture.

ANSWER: Shakers [or United Society of Believers of Christ's Second Appearing]

[10] Both Quakers and Shakers follow this specific type of non-violence, which leads many Quakers to conscientiously object to the draft.

ANSWER: pacifism [accept word forms; accept clear-knowledge equivalents such as "refusing to fight in wars," etc.]

13. **This country's capital contains the Istiqlal Mosque, which is adjacent to Merdeka Square. It's not Portugal, but the separatist group Fretilin fought for independence from this country, and this country shares an island with Timor-Leste. This country and (*) Malaysia are home to the world's remaining population of wild orangutans. This country contains the most populous island in the world, Java. For 10 points, name this island country with capital Jakarta.**

ANSWER: (Republic of) Indonesia

This poet wrote “The Heights of Macchu Picchu, which begins with the speaker wandering “from air to air, like an empty net.” For 10 points each:

[10] Name this Spanish-language poet of *Twenty Love Poems and a Song of Despair*.

ANSWER: Pablo **Neruda**

[10] Neruda is from this South American country, where he feared he would be murdered after Augusto Pinochet’s coup. Other writers from this country include Gabriela Mistral and Isabel Allende [**Ay-yen-day**].

ANSWER: **Chile**

[10] Neruda also wrote “elemental” types of this form of poetry, focusing on such everyday objects as his socks and a large tuna in the market. Shelley wrote one of this type of poem “to the West Wind.”

ANSWER: **odes** [or **Elemental Odes**; or **Odas** Elementales]

14. **Foods associated with this holiday include jelly doughnuts called *sufganiyot* and potato pancakes called *latkes*. Another treat associated with this holiday, chocolate coins called *gelt*, can be won by playing this holiday’s (*) dreidel game. This holiday commemorates a miracle that took place during a revolt led by Judah Maccabee, and a candle is lit on the menorah for each day of this festival. For 10 points, name this eight-day Jewish festival that often overlaps with the Christmas season.**

ANSWER: **Chanukah** [or **Hanukkah**]

Answer the following about the early years of the American republic for 10 points each.

[10] Before the U.S. Constitution was ratified, the United States was governed under this document. This document was criticized for establishing a weak central government: for example, there was no president or national court.

ANSWER: The **Articles of Confederation** and Perpetual Union

[10] This rebellion, led by an eponymous Revolutionary War veteran in Western Massachusetts, highlighted the weaknesses of the Articles of Confederation.

ANSWER: **Shays’** Rebellion

[10] This man introduced the Virginia Plan at the Constitutional Convention, earning the nickname “Father of the Constitution.” He later served as Secretary of State under Thomas Jefferson and became the fourth President.

ANSWER: James **Madison**, Jr.

15. In 1961, this man co-founded the Umkhonto we Sizwe, or “Spear of the Nation.” He gave the “I am prepared to die” speech at the Rivonia Trial, after which he was imprisoned on Robben Island. This man and (*) F.W. de Klerk were jointly awarded the Nobel Peace Prize in 1993, and he wrote the autobiography *Long Walk to Freedom*. For 10 points, name this first black president of South Africa, a notable opponent of apartheid.

ANSWER: Nelson Rolihlahla **Mandela** [prompt on Madiba]

The first of these works uses the viola to mimic a barking dog, and these works are paired with accompanying sonnets. For 10 points each:

[10] Name this set of concertos including “Primavera” and “Autunno” that make up the first four parts of *The Contest between Harmony and Invention*.

ANSWER: The **Four Seasons** [or Le **quattro stagioni**]

[10] *The Four Seasons* are by this Italian composer known as the “Red Priest.”

ANSWER: Antonio (Lucio) **Vivaldi**

[10] *The Four Seasons* are concertos for this instrument, of which Vivaldi was a virtuoso. Other virtuosos of this instrument include Paganini, Joshua Bell, and Itzhak Perlman.

ANSWER: **violin**

16. One member of this art movement depicted a black-bonneted woman peering through opera glasses while a man watches her from afar *In the Loge*. That artist of this movement also painted *The Child’s Bath*. Another artist of this movement painted a series of *Haystacks*, and that artist gave this movement its name with his picture of an orange (*) sun rising over Le Havre. That member of this movement also painted water lilies at Giverny. For 10 points, name this art movement whose proponents included Mary Cassatt and Claude Monet.

ANSWER: **Impressionism** [or word forms; or **Impression: Sunrise**]

This property for a line can be described as “rise over run.” For 10 points each:

[10] Name this quantity that can also be calculated as “delta Y divided by delta X.” It is usually symbolized by the letter “m.”

ANSWER: **slope**

[10] In the general equation for a line “y equals m x plus b,” the variable “b” represents this value for the line.

ANSWER: **y intercept** [or **vertical intercept**; prompt on “x equals 0”]

[10] If two separate lines have the same slope, they have this property. Euclid’s fifth postulate is sometimes named for this property.

ANSWER: **parallel** [or **parallel** postulate]

17. This team *lost* a rivalry game in 2013 when Chris Davis returned a missed field goal 109 yards in the so-called “Kick Six” play. A.J. McCarron became the first quarterback to win back-to-back BCS championships while playing for this university, and in 2018 DeVonta Smith caught a 41-yard touchdown pass thrown by this university’s freshman (*) quarterback Tua Tagovailoa to win the College Football Playoff. For 10 points, name this Tuscaloosa university whose football team is coached by Nick Saban.

ANSWER: University of Alabama Crimson Tide [accept either underlined portion; or UA; prompt on “Bama” or “Tide”]

This soldier was captured by the Burgundians, after which she was held prisoner in Rouen. For 10 points each:

[10] Name this French soldier, nicknamed the “Maid of Orleans.”

ANSWER: (Saint) Joan of Arc [or Jeanne d’Arc]

[10] Joan fought during this lengthy war between England and France. Earlier battles in this war included the English victory at Agincourt.

ANSWER: Hundred Years’ War

[10] Joan was sentenced to death in this manner after being charged with heresy for wearing men’s clothing.

ANSWER: burned at the stake [or clear-knowledge equivalents]

18. **Only tension and this force act upon an object in an ideal Atwood machine. Following the collision of two black holes, this force’s namesake lensing causes light to bend around massive objects and this force’s waves were detected by (*) LIGO.** On Earth, this force causes an acceleration of 9.8 meters per second squared. For 10 points, name this weakest of the four fundamental forces which attracts objects to each other.

ANSWER: gravity

Types of this tissue include “skeletal” and “smooth.” For 10 points each:

[10] Name this type of tissue made of sarcomeres, which contain the sliding proteins actin and myosin.

ANSWER: muscle [or skeletal muscle; or smooth muscle]

[10] Another type of muscle is the “cardiac” type, which is found in this internal organ.

ANSWER: heart

[10] If blood flow to the heart decreases, one of these may occur. These may be caused by blockages in the arteries, and symptoms of these include left arm pain and chest pains.

ANSWER: heart attack [or myocardial infarction]

19. In this novel's *sequel*, called *No Longer at Ease*, one character is reminded of a letter he wrote to Adolf Hitler. That character shares the name of the protagonist of *this* novel, who is fined for beating his wife during the Week of Peace. That main character of this novel fears becoming weak like his flute-playing father (*) Unoka. In this novel, the main character is exiled after his gun explodes at a funeral, and I-ke-me-fu-na is killed with a machete. For 10 points, name this novel about Okonkwo, the best-known work of the Nigerian author Chinua Achebe.

ANSWER: *Things Fall Apart*

Stories of the "Dreamtime" are fundamental to this myth system. For 10 points each:

[10] Name this myth system of Australia's native people.

ANSWER: Aboriginal myth [or Aborigine myth]

[10] Aboriginal myth features a "rainbow" one of these reptiles. Jormungandr, a frequent foe of Thor, is one of these reptiles.

ANSWER: serpent [or snake; or Rainbow Serpent; or Midgard Serpent; or Wagyl]

[10] Many of these Aboriginal artworks, including the Bradshaws at Kimberley, are believed to depict the Dreamtime. A hall of this type of artwork at Lascaux, France depicts ancient bulls called aurochs.

ANSWER: cave paintings [or cave art; prompt on partial answer]

20. This document was issued alongside the Charter of the Forest, which repealed the death penalty for trapping deer. This document's 33rd section abolished the use of fish-weir traps, and Pope Innocent III declared this document invalid, which led to the First (*) Barons' War. This document includes such concepts as *habeas corpus* and called for a Great Council to check the power of the monarch. For 10 points, name this document signed at Runnymede by King John whose name is Latin for "Great Charter."

ANSWER: Magna Carta Libertatum [or Great Charter of the Liberties before mentioned]

Answer the following about Dickens villains for 10 points each.

[10] In this Dickens novel, Miss Havisham encourages her adopted daughter Estella to break Pip's heart, since she herself was left at the altar..

ANSWER: **Great Expectations**

[10] This novel by Dickens has a couple not-so-nice characters: Fagin, a Jewish man who leads a group of child pickpockets including the Artful Dodger, and Bill Sikes, a brute who savagely beats his girlfriend Nancy to death.

ANSWER: **Oliver Twist**, or The Parish Boy's Progress

[10] This slimy villain in *David Copperfield* blackmails Mr. Wickfield and gains control of his business. He is portrayed as insincere and over-the-top in his "humility," and his movements are described as writhing, jerking, and snakelike.

ANSWER: **Uriah Heep** [accept either underlined portion]