



2018 MVS RAMS

Questions by Tyler Benedict, John John Groger, and William Groger

Edited by Tyler Benedict

Packet 10

1. **This nation is home to the Snowy Mountains, which contains this country's highest point, Mount Kosciuszko. This nation contains Bondi Beach, and in this nation Port Jackson surrounds Bennelong Point, which is home to the best-known design of Jorn Utzon. The city of (*) Wollongong lies in this nation's state of New South Wales, and the Great Barrier Reef lies off this nation's coast. For 10 points, name this country with capital at Canberra, whose largest city is Sydney.**

ANSWER: (Commonwealth of) Australia

A common rhyme about this figure's most famous action instructs listeners to "Remember, remember, the 5th of November." For 10 points each:

[10] Name this man who conspired to blow up the British Parliament in the Gunpowder Plot. His failure to do so is commemorated in the U.K. with fireworks displays and large bonfires.

ANSWER: Guy Fawkes [or Guido Fawkes]

[10] This first Stuart King of England was a target of the Gunpowder Plot, as he would have been opening Parliament that day. This king was the son of Mary, Queen of Scots.

ANSWER: James I of England [or James VI of Scotland; prompt on "James"]

[10] King James also commissioned a namesake translation of this book, which gives us such memorable phrases as "Am I my brother's keeper?" and "Can...the leopard [change] his spots?"

ANSWER: The Holy Bible [or King James Bible]

2. **This organelle contains the GAAP protein, which works to halt apoptosis. This organelle tags proteins with mannose-6-phosphate, after which they go to the lysosomes. This organelle consists of flattened stacks called cisternae and contains a (*) cis- and trans- face. This organelle receives molecules from the ER. For 10 points, name this organelle sometimes called the sorting and packaging center of the cell, named for an Italian scientist.**

ANSWER: **Golgi** body [or **Golgi** apparatus; or **Golgi** complex]

This poem's title figure sits upon a bust of Pallas and is told to "take thy beak from out my heart and take thy form from off my door." For 10 points each:

[10] Name this poem, set in the "bleak December," that begins with the speaker lamenting the loss of his beloved Lenore.

ANSWER: "The **Raven**"

[10] This American wrote "The Raven" and also expanded on the theme of lost love in "Annabel Lee."

ANSWER: Edgar Allan **Poe**

[10] In "The Raven," the title bird can only say this word.

ANSWER: **Nevermore**

3. **Lieutenant William Calley was sentenced to life imprisonment after a massacre during this war, but served three years of house arrest. That massacre included the deaths of over 300 unarmed civilians at My Lai. This war's "strategic hamlet" program failed to halt the influence of a group which transported supplies along the (*) Ho Chi Minh trail. That insurgent group helped carry out the Tet Offensive during this war. For 10 points, name this war in Southeast Asia that ended with the fall of Saigon in 1975.**

ANSWER: **Vietnam** War [or **Second Indochina** War]

These substances feature hydroxyl groups with formula OH, which combine with hydrocarbons. For 10 points each:

[10] Name these substances. Methanol, the "wood" type of this substance, is the simplest of these substances.

ANSWER: **alcohols**

[10] This is the main component in alcoholic beverages. This substance can be made from corn, and it is also used as a fuel for automobiles.

ANSWER: **ethanol** [or **C₂H₅OH**]

[10] Ethanol and other alcohols are also the main components in this substance produced in gel form by such companies as Purell and Germ-X. Physicians caution that this substance is not a substitute for soap and water.

ANSWER: **hand sanitizers** [or **hand antiseptics**; or **hand disinfectant**; prompt on partial answer]

4. **One novel originally written in this language is about Emil Sinclair's coming-of-age and his friendship with Max Demian. Another novel in this language depicts a man who spends time in a Swiss sanatorium; that character is Hans (*) Castorp.** An early novel written in this language is *The Sorrows of Young Werther*. For 10 points, name this language of Thomas Mann, and Johann Wolfgang von Goethe.

ANSWER: **German** [accept **Deutsch**] (The other novels are *Demian*, by Hermann Hesse, and *The Magic Mountain*)

On this holiday, noisemakers called groggers are used to drown out Haman's name. For 10 points each:

[10] Name this holiday. During this holiday, plays called *spiels* are performed and triangular cookies called hamantaschen are eaten.

ANSWER: **Purim**

[10] The holiday of Purim commemorates this Biblical queen, who saved the life of her uncle Mordecai. On Purim, this woman's Biblical book, called the Megillah, is read.

ANSWER: **Esther** [or **Hadassah**]

[10] Purim is a holiday from this religious tradition, whose other holidays include Rosh Hashanah.

ANSWER: **Judaism** [or clear-knowledge equivalents such as **Jewish**; accept word forms]

5. **According to the Abel-Ruffini Theorem, one of these constructs with degree greater than 4 is unsolvable. Descartes' Rule of Signs helps determine how many positive and negative solutions there are for one of these constructs. According to the fundamental theorem of (*) algebra, non-constant examples of these constructs have at least one root. Quadratic examples of these expressions have degree 2. For 10 points, name these algebraic expressions that consist of variables raised to a power.**

ANSWER: polynomials

This man served as the director of the FBI until 2013. For 10 points each:

[10] Name this man, who is currently a special counsel investigating links between Russian interference in the 2016 U.S. elections and the campaign of President Donald Trump.

ANSWER: Robert (Swan) Mueller III

[10] Mueller was tapped to be Special Counsel by Deputy Attorney General Rod Rosenstein, since this former Attorney General recused himself due to contact with Ambassador Sergey Kislyak. This man was asked to resign by Donald Trump in November 2018.

ANSWER: Jeff Sessions [or Jefferson Beauregard Sessions III]

[10] Before he was Attorney General, Sessions represented this state in the Senate. Doug Jones, a Democrat, won a special election in this state to fill Sessions's seat.

ANSWER: Alabama

6. **This quantity's inverse is measured in siemens. According to the Anderson model, this quantity drops for many materials at low temperatures. Materials that have a value of zero for this quantity are superconductors. This quantity's namesake (*) electrical component has colored bands to denote its value. This quantity equals voltage divided by current according to Ohm's Law. For 10 points, name this quantity, a material's measure of opposition to current flow.**

ANSWER: resistance [or resistor]

This character allows himself to be sacrificed on the Stone Table in order to redeem Edmund Pevensie and thwart Jadis, the White Witch. For 10 points each:

[10] Name this lion, the High King above all High Kings in Narnia and an analogue of Jesus Christ.

ANSWER: **Aslan**

[10] Aslan sacrifices himself for Edmund because Edmund unwittingly took this candy from the White Witch and bound himself to her as a traitor.

ANSWER: **Turkish Delight**

[10] *The Lion, the Witch, and the Wardrobe*, as well as the other Chronicles of Narnia, were written by this author, who also addressed Christian themes in *The Screwtape Letters*.

ANSWER: C.S. **Lewis** [or Clive Staples **Lewis**]

7. **A character in this novel declares “I leave a white and turbid wake” and claims that all visible objects are as “pasteboard masks.” This novel’s narrator is saved from drowning by clinging to a coffin. Tashtego the Native American and Fedallah the Parsee are crew members on the (*) *Pequod*, as is the Polynesian Queequeg. The monomaniacal Captain Ahab swears that he will kill this novel’s title character even if he has to dive through the globe. For 10 points, name this novel about whaling by Herman Melville.**

ANSWER: **Moby-Dick**; or The Whale

When Pope Urban II called for the first of these religious wars at the Council of Clermont, he was greeted with cries of *Deus Vult*, or “God wills it.” For 10 points each:

[10] Name this series of religious wars that sought to recapture the Holy Land. Peter the Hermit was a key figure during the first of these wars.

ANSWER: **Crusades** [or **First Crusade**]

While returning from the Third Crusade, this king of England was captured and held for ransom by Holy Roman Emperor Henry IV.

ANSWER: **Richard I** [or **Richard** the **Lionheart**; or **Richard Coeur de Lion**; prompt on “**Richard**” alone]

[10] This sultan, the founder of the Ayyubid dynasty, fought Richard in the Third Crusade. He recaptured Jerusalem by winning the Battle of Hattin.

ANSWER: **Saladin** [or **Salah ad-Din**; or An-Nasir **Salah ad-Din** Yusuf ibn Ayyub]

8. **This instrument was played by the author of “Moonlight Serenade,” Glenn Miller. A common musical chestnut is that the piccolo and this instrument were first used in an orchestra with Beethoven’s Fifth. This instrument’s medieval analogue is the (*) sackbut, and its bell can be covered with a plunger to elicit a low-pitched “wah wah” sound. Seventy-six of these brass instruments lead the big parade according to a song from *The Music Man*. For 10 points, name this instrument played with a slide.**

ANSWER: **trombone**

This artist depicted five peasants gathered around a table as a woman in a white bonnet pours four cups of tea. For 10 points each:

[10] Name this artist of *The Potato Eaters* who also painted *Wheatfield with Crows*.

ANSWER: Vincent (Willem) **van Gogh**

[10] Van Gogh’s best-known painting is this work, which depicts a swirling sky over Saint-Remy [“*San Ruh-MEE*”]. He also painted the title phenomenon “over the Rhone.”

ANSWER: The **Starry Night**

[10] Van Gogh also painted a portrait of Paul-Ferdinand Gachet [“*Guh-shay*”], a member of this profession, leaning on his fist and holding a foxglove plant.

ANSWER: **doctor** [or **physician**; or *Portrait of Doctor Gachet*]

9. **The Aloadae once placed this god inside a jar for thirteen months. Spartan youths sometimes sacrificed a puppy to a son of this god before going into ritual battle. This god was often accompanied by Eris, the goddess of discord, as well as his sons (*) Phobos and Deimos. Hephaestus caught this god in a net to expose his affair with Aphrodite. For 10 points, name this Greek god of war.**

ANSWER: **Ares** [or **Mars** until “Greek” is read]

The most common cancer of this organ in children is a Wilms tumor. For 10 points each.

[10] Name these organs which contain Bowman’s capsule and the Loop of Henle.

ANSWER: **Kidneys**

[10] This functional unit of the kidney contains the glomerulus and a renal tubule.

ANSWER: **nephron**

[10] The kidneys’ primary function in the body is to filter blood and produce this bodily fluid, which is then stored in the bladder.

ANSWER: **urine** [or clear-knowledge equivalents]

10. **These people caused the extinction of the *moa* due to over-hunting. Sir Apirana Ngata led a 20th-century cultural revival for these people that included a resurgence of the *kapa haka* dance style. This people's chief Hone Heke led a rebellion known as the Flagstaff War, and these people fought each other in the 19th-century Musket Wars. William Hobson negotiated the Treaty of (*) Waitangi with these people, and these people practiced an art of facial marking called *te moko*. For 10 points, name these indigenous people of New Zealand.**

ANSWER: Maori

Answer the following about the funny papers for 10 points each.

[10] This American comic strip created by Charles Schulz ran for fifty years, documenting the exploits of Linus, Lucy, Charlie Brown, and others.

ANSWER: Peanuts

[10] In this strip by Bill Watterson, a six-year-old boy and his stuffed tiger fight deranged mutant killer monster snow goons, attempt to run away to the Yukon, and discover that scientific progress goes "boink."

ANSWER: Calvin & Hobbes

[10] This large orange feline loves lasagna and hates Mondays. A webcomic featuring this character's namesake strip "minus" this character seeks to "reveal the existential angst of a certain young Mr. Jon Arbuckle."

[10] Garfield [accept Garfield Minus Garfield]

11. **In the Eastern Orthodox Church, this ritual is preceded by the anaphora. Members of the early Presbyterian Church presented tokens to undertake this ritual, many of which were inscribed with the verse "This do in remembrance of Me." The Catholic doctrine of (*) transubstantiation holds that in this ritual, elements of the Last Supper become the body and blood of Jesus. For 10 points, name this sacrament in which Christians consume blessed bread and wine.**

ANSWER: Holy Communion [or the Eucharist; or Lord's Supper]

Poems of this type are collected in the books *Narrow Road to the Deep North* and *The Seashell Game*. For 10 points each:

[10] Name this type of poem, which employs a “cutting word” and is a major component of *haiga* art.

ANSWER: haiku [or hokku]

[10] This master of the haiku wrote *Narrow Road to the Deep North* and compiled *The Seashell Game*. His pen name translates as “banana plant.”

ANSWER: Matsuo Basho [accept either underlined name]

[10] Haiku is associated with the literary tradition of this nation.

ANSWER: Japan [or Nippon]

12. **One of these events that took place in 1054 created the Crab Nebula, and during these events large quantities of neutrinos are formed. When a white dwarf exceeds the (*) Chandrasekhar limit, one of these phenomena classified as type Ia [“one-A”] is formed.** For 10 points, name these extremely energetic events in which stars explode.

ANSWER: supernovas [or supernovae]

Answer the following about significant horses for 10 points each.

[10] In Greek mythology, Bellerophon tamed this winged horse, the son of Poseidon and Medusa.

ANSWER: Pegasus

[10] Loki is the father of this eight-legged horse from Norse mythology. This horse is the vehicle of Odin.

ANSWER: Sleipnir

[10] In the Book of Revelation, this figure rides a “pale horse,” and comes after War, Famine, and Pestilence.

ANSWER: Death

13. **The protagonist of this work visits the estate of Pemberley after ensuring that the owner is away. Lady Catherine warns its protagonist not to accept her nephew's wedding offer near the end of this novel, in which Charlotte Lucas marries Mr. (*) Collins.** One relationship in this novel begins at Bingley's ball at Netherfield, and in this novel, Lydia runs away with the lady-spoiling Mr. Wickham. For 10 points, name this novel that ends with the marriage of Elizabeth Bennet to Mr. Darcy, written by Jane Austen.

ANSWER: Pride and Prejudice

This man devised the “small-world experiment,” which seemed to reinforce to the popular concept that all people can be connected within six degrees of separation. For 10 points each:

[10] Name this psychologist. His “lost letter” experiment found that people are more likely to forward messages addressed to individuals and favorable organizations versus disagreeable organizations.

ANSWER: Stanley **Milgram**

[10] Milgram’s most famous experiment studied obedience to authority, in which the subject was asked to deliver these painful stimuli to a confederate. Milgram found 65% of subjects would deliver these stimuli in excess of 450 volts.

ANSWER: electric **shocks** [or clear-knowledge equivalents]

[10] Milgram’s obedience experiment was influenced by the trial of Adolf Eichmann, one of the architects of this Nazi genocide that killed over six million Jews.

ANSWER: the **Holocaust**

14. **Labor camps in this nation were compared to an “archipelago” in one book. One leader of this nation implemented a policy of “dekulakization,” in which wealthy peasants were declared “class enemies.” That policy was part of this nation’s First Five-Year Plan, which emphasized (*) “Socialism in One Country.”** This country created a secret police force called the NKVD, which later evolved into the KGB. For 10 points, name this communist nation that was once led by Josef Stalin.

ANSWER: **USSR** [or **Soviet Union**; or **CCCP**; or **Union of Soviet Socialist Republics**; prompt on “**Russia**”]

This ballet, choreographed by the legendary Vaslav Nijinsky, caused riots at its Paris premiere during its first portion, “Adoration of the Earth.” For 10 points each:

[10] Name this ballet which ends with the “Chosen One” dying in the “Sacrificial Dance.”

ANSWER: The **Rite of Spring** [or **Le sacre du printemps**; or **Vesna svyashchennaya**]

[10] *The Rite of Spring* was written by this Russian composer, who wrote another ballet in which the Moor kills the title puppet, *Petrushka*.

ANSWER: Igor Fyodorovich **Stravinsky**

[10] This other Stravinsky ballet centers on Prince Ivan, who wins a magical feather from the title avian and destroys an egg containing Koschei’s soul.

ANSWER: The **Firebird** [or **L’oiseau de feu**; or **Zhar-ptitsa**]

15. **One figure from this country's myth system fought off Queen Medb ["Maeve"] during the Cattle Raid of Cooley. This country's Giant's Causeway was created during a fight between the giant Ben-an-donner and a resident of this country. This country is home to the Gae Bulg-wielding Cu Chulainn as well as a man who ate the Salmon of Knowledge, (*) Finn MacCool. For 10 points, name this setting of the Ulster Cycle, a country which was introduced to Catholicism by St. Patrick.**

Answer: **Ireland** [or **Eire**]

When you stop suddenly in a car, you jerk forward, and your coffee may fly out of your hand. For 10 points each:

[10] That occurs because of this physical concept, colloquially described as "an object in motion stays in motion."

ANSWER: **inertia**

[10] The greater this quantity for an object, the less it accelerates under a given force. The SI unit for this quantity is the kilogram.

ANSWER: **mass**

[10] This is the SI unit for force. One of these units is described as the amount of force needed to move one kilogram at the speed of one meter per second squared.

ANSWER: **newton**

16. **In one of this man's works, Willi is revealed to be a U-boat captain; that work is *Lifeboat*. Another work by this man, *Rope*, is edited to appear as if it was shot in one long take. A third film by this man features Jimmy Stewart as a wheelchair-bound man who spies on his neighbors through the titular (*) *Rear Window*. This man also made a film in which Janet Leigh is stabbed in the shower; that film is *Psycho*. For 10 points, name this director, a master of suspense known for making cameos in his own films.**

ANSWER: Alfred **Hitchcock** [or Sir Alfred Joseph **Hitchcock**]

The establishment of these places was authorized by Executive Order 9066. For 10 points each:

[10] Name these facilities such as Manzanar that incarcerated people known as *issei* [“ee-say”] and *nisei* [“nee-say”].

ANSWER: **Japanese**-American **internment** camps [accept clear-knowledge variants demonstrating that people with **Japanese** ancestry were **imprisoned** during World War II; prompt on partial answer]

[10] This president signed Executive Order 9066.

ANSWER: **Franklin Delano Roosevelt** [or **FDR**; prompt on “Roosevelt”]

[10] In this controversial Supreme Court case, the Japanese internment camps were ruled to be constitutional. Chief Justice John Roberts declared this case was wrongly decided in his 2018 opinion in *Trump v. Hawaii*.

ANSWER: *Fred **Korematsu** v. United States*

17. The so-called “Battle of the Thames” took place as a result of this campaign, which saw a flotilla of fishing boats clash with another fleet led by Bob Geldof. A supporter of this action kissed a salmon the day before this action. After this action, **David (*)** Cameron resigned as Prime Minister of the UK, and this vote meant Article 50 of the Treaty of Lisbon would be invoked. For 10 points, name this landmark 2016 vote that ended with Britain voting to leave the European Union.

ANSWER: **Brexit** [or the **United Kingdom’s referendum** to leave the **European Union** until “leave” is read; or equivalents; accept “Great **Britain**” in place of “**United Kingdom**”; prompt on “**referendum**” alone]

Benjamin Franklin studied this phenomenon by flying a kite in a storm. For 10 points each:

[10] Name these flashes of electrical discharge.

ANSWER: **lightning**

[10] Lightning storms can create “channels” named for this so-called fourth state of matter. St. Elmo’s Fire is made up of a luminous variety of this substance.

ANSWER: **plasma**

[10] Another type of plasma is found in this bodily fluid which also contains platelets to stimulate clotting.

ANSWER: **blood**

18. In one novel from this country, David Lurie's relationship with Melanie Isaacs leads him to lose his job as a professor. In another novel from this country, the title character takes command of a yellow truck called a "bakkie," which was previously owned by the Smales family. In addition to *Disgrace* and *July's (*) People*, this country is the setting of a novel in which the son of Stephen Kumalo is hanged for the murder of Arthur Jarvis. *Cry, the Beloved Country* is set in, for 10 points, what country, where Nadine Gordimer and Alan Paton wrote about apartheid?

ANSWER: (Republic of) South Africa [or Union of South Africa; or RSA; accept South African]

After this battle, Pheidippides ran approximately 26 miles to Athens to announce a Greek victory. For 10 points each:

[10] Name this 490 BCE battle that lends its name to a very long race.

ANSWER: Battle of Marathon

[10] The Battle of Marathon was fought between the Greeks and this Middle Eastern empire ruled by Darius I.

ANSWER: (First) Persian Empire [or Greco-Persian Wars; or Achaemenid Empire]

[10] This Greek known as the "Father of History" wrote the main surviving account of the Greco-Persian Wars.

ANSWER: Herodotus

19. This artist had one of her albums covered in its entirety by Ryan Adams. This singer declared "They are the hunters, we are the foxes" in her song "I Know Places," and she also included "Out of the Woods" on her album (*) *1989*. This singer's most recent album includes a track featuring Future and Ed Sheeran, "Endgame." A longstanding feud between this artist and Kanye West began when West interrupted her speech at the VMAs. For 10 points, name this singer whose most recent album is *Reputation*.

ANSWER: Taylor (Alison) Swift

This location's Racetrack Playa is known for so-called "sailing stones." For 10 points each:

[10] Name this location where a temperature of 134 degrees Fahrenheit was once recorded at Furnace Creek.

ANSWER: **Death Valley** National Park

[10] Death Valley was created in part by the "strike-slip" variety of these fractures in the Earth's crust. A famous one of these fractures is named for San Andreas.

ANSWER: **fault** [or strike-slip **fault**; or San Andreas **Fault**]

[10] Death Valley was first designated a national monument by this president, who also names a large dam on the Colorado River that created Lake Mead.

ANSWER: Herbert **Hoover** [or **Hoover** Dam]

20. **The ratio between this quantity for a substance and this quantity for water is the specific gravity. Antoine Baume invented a pair of hydrometer scales to measure this quantity. That device works based on Archimedes' principle, which can calculate the mass of an object based on the (*) volume of fluid displaced. This quantity is symbolized rho, and strangely ice has a lower value for this quantity than liquid water. For 10 points, name this quantity, the ratio of mass to volume.**

ANSWER: (mass) **density**

This poem describes a "rough beast" "slouching towards Bethlehem to be born." For 10 points each:

[10] Name this poem, which also describes "mere anarchy loosed upon the world" and begins "Turning and turning in the widening gyre."

ANSWER: "The **Second Coming**"

[10] This Irish poet wrote "The Second Coming." He also included the line "This is no country for old men" in his "Sailing to Byzantium."

ANSWER: William Butler **Yeats**

[10] Yeats became a great admirer of this Bengali poet, who became the first non-European to win the Nobel Prize in Literature in 1913. Yeats wrote the preface to this man's collection *Gitanjali*.

ANSWER: Rabindranath **Tagore** [or Ravindranatha **Thakura**; or **Gurudev**]