



2018 MVS RAMS

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Edited by Tyler Benedict

Packet 09

1. **This man’s medical writings include “Uber Coca,” which discusses his own experimentation with cocaine. This man also mentioned his drug habit in “Irma’s Injection,” in which he postulates that dreams represent wish fulfillment. This man also discussed Little Hans as an example of his theory of the (*) “Oedipus complex.”** This man wrote that the psyche has three parts: ego, superego, and id. For 10 points, name this pioneering psychoanalyst known for writing *The Interpretation of Dreams*.
ANSWER: Sigmund **Freud** [or Sigismund Schlomo **Freud**]

Kenneth Appel and Wolfgang Haken proved this theorem in 1976. For 10 points each:
[10] Name this theorem that is named for the minimum number of colors needed to shade a map such that no two contiguous areas have the same color.

ANSWER: **four color** theorem [prompt on partial answer]

[10] The four-color theorem is an important problem in this branch of mathematics, which treats a map as one of its namesake diagrams with vertices and edges.

ANSWER: **graph** theory

[10] The four-color theorem was one of the first math problems to be proved using one of these technological devices. An early example of one of these machines was named ENIAC.

ANSWER: **computer** [or Electronic Numerical Integrator and **Computer**]

2. **A leader of this nation said his people would “eat grass” to acquire an atomic bomb, and this nation is the homeland of nuclear scientist A.Q. Khan. This nation elected the first female leader of a Muslim nation, Benazir Bhutto, although she was assassinated in (*) Rawalpindi in 2007. Bangladesh gained its independence from this nation in 1971, and this nation was founded by Muhammad Ali Jinnah.** For 10 points, name this nation which disputes Kashmir with India and has its capital at Islamabad.
ANSWER: **Pakistan** [or Islamic Republic of **Pakistan**]

This man's first symphony was jokingly nicknamed "Beethoven's Tenth." For 10 points each:

[10] Name this composer, the third of Hans von Bulow's "Three Bs" of music after Bach and Beethoven. He also composed some *Hungarian Dances*.

ANSWER: Johannes **Brahms**

[10] Brahms composed this work for the University of Breslau, which quotes several student drinking songs.

ANSWER: **Academic Festival** Overture [or **Akademische Festouvertüre**]

[10] Brahms also composed a "Requiem" in this language, which quotes text from the Luther Bible. This language also comprises the libretto of Richard Wagner's Ring Cycle.

ANSWER: **German** [or **Deutsch**]

3. **A gene-centered view of this process was advocated by Richard Dawkins, who also coined the term "meme" to refer to a cultural form of this process. Alfred Russel Wallace developed this theory independently of another man who traveled to the (*) Galapagos and studied the beak shapes of the finches there. For 10 points, name this theory presented in *On the Origin of Species* by Charles Darwin.**

ANSWER: **evolution** [or **natural selection** even though the Dawkins stuff makes that dicey]

This man united his nation with Syria to form the short-lived United Arab Republic. For 10 points each:

[10] Name this leader who overthrew King Farouk and put Muhammad Naguib, his predecessor as President, under house arrest as part of a larger crackdown on Muslim Brotherhood activity.

ANSWER: Gamal Abdel **Nasser** Hussein [or Lake **Nasser**]

[10] Nasser was the second president of this nation, where he built the Aswan High Dam on the Nile River..

ANSWER: **Egypt**

[10] Nasser created a crisis when he nationalized this man-made waterway connecting the Mediterranean Sea to the Red Sea, resulting in military action by Israel, Britain, and France.

ANSWER: **Suez** Canal

4. **In one of this man's works, Steve Deever is blamed for an action actually performed by Joe Keller; that action is selling faulty airplane parts to the Air Force, resulting in the death of 21 pilots. This author of *All My Sons* wrote a play in which John Proctor forgets the commandment forbidding (*) adultery, as well as another play in which Biff witnesses his father, Willy Loman, having an affair. For 10 points, name this author of *The Crucible* and *Death of a Salesman*.**

ANSWER: Arthur (Asher) **Miller**

This group of elements earned its nickname because they are relatively non-reactive. For 10 points each:

[10] Name these members of Group 18 on the periodic table, such as neon and krypton.

ANSWER: **noble gases** [or **inert gases**]

[10] Aside from helium, the noble gases are generally unreactive because they possess this many valence electrons, giving them a full outer shell.

ANSWER: **eight** [or **octet**]

[10] The first compound to be formed with a noble gas was this element's hexafluoroplatinate. This element is atomic number 54.

ANSWER: **xenon** [or **Xe**]

5. **This element's carbonate is combined with brine in the Solvay process in order to produce soda ash. This element is released from the sarcoplasmic reticulum, and this element binds with troponin to facilitate muscle contraction. Vitamin (*) D aids in absorbing this element, and this element's carbonate is known as limestone. This element is necessary for bone and teeth strength. For 10 points, name this element symbolized Ca.**

ANSWER: **calcium** [or **Ca** before mentioned]

The speed of this phenomenon can be measured on the Beaufort scale. For 10 points each:

[10] Name this phenomenon, examples of which worldwide include the *sirocco* and *chinook*.

ANSWER: **wind** speed [or **wind force**]

[10] Another type of wind called the *simoom* originates in this biome. It is common in Arabia.

ANSWER: **desert**

[10] This name refers to a low-pressure area around the equator with typically calm wind speeds where sailing ships might get stuck. It also has entered the English language as a general term for a period of inactivity or stagnation.

ANSWER: **doldrums**

6. **This man was criticized by Thomas Paine for ordering the execution of the Midianite women after a conquest, and this man angered God by striking a rock with his staff in order to produce water. As a baby, this man was sent down the Nile in a (*) basket, and he was adopted by the family of the Pharaoh. On Mount Horeb, this man spoke to God in the form of a burning bush, and he received the Ten Commandments atop Mount Sinai. For 10 points, name this lawgiver of Israel who parted the Red Sea in the book of Exodus.**

ANSWER: Moses [or Moshe; or Musa]

This poet mourned the death of his friend Arthur Henry Hallam in “In Memoriam,” in which he describes himself as “an infant crying in the night...and with no language but a cry.” For 10 points each:

[10] Name this poet, who also wrote in “In Memoriam” that “Tis better to have loved and lost / than never to have loved at all.” He described an aging king’s desire “to strive, to seek, to find, and not to yield” in “Ulysses.”

ANSWER: Alfred, Lord Tennyson

[10] In “In Memoriam,” Tennyson describes this entity as being “red in tooth and claw.” Emerson named one of his essays after this entity.

ANSWER: nature

[10] Tennyson also wrote this poem about an ill-fated charge by Lord Cardigan’s men at the Battle of Balaclava, in which the “noble six hundred” ride “into the valley of Death.”

ANSWER: “The Charge of the Light Brigade”

7. **A 20th century artist in this medium, Kevin Carter, was a member of the “Bang Bang Club” and depicted a starving Sudanese child being watched by a vulture in his most famous work. Another work in this medium depicted Florence Thompson and three of her seven children, and this medium was used by Joe Rosenthal to depict six (*) soldiers on Mount Suribachi. *Migrant Mother*, by Dorothea Lange, and *Raising the Flag on Iwo Jima* are examples of, for 10 points, what art medium also used by Ansel Adams in his many shots of Yosemite National Park?**

ANSWER: photography [or word forms]

The Biblical books of Romans, Thessalonians, and Galatians are written in this literary form. For 10 points each:

[10] Name this literary form in which a book is structured as a message mailed to a specific person or group of people. *Dear Mr. Henshaw* is a book told in this manner.

ANSWER: **epistolary** [or they're made up of **letters**; or **epistles**]

[10] This man wrote most of the Biblical epistles. This man previously persecuted Christians until he was struck blind on the road to Damascus.

ANSWER: St. **Paul** the Apostle [or **Saul** of Tarsus]

[10] In his first letter to the Corinthians, Paul wrote that out of faith, hope, and love, this is the greatest.

ANSWER: **love**

8. **In a novella by this man, the Vicario brothers murder Santiago Nasar. In another, longer, work by this author of *Chronicle of a Death Foretold*, Fermina Daza marries Juvenal Urbino, although she previously was involved with Florentino Ariza. In this author's most famous work, Jose Arcadio (*) Buendia is the founder of the town of Macondo. For 10 points, name this Colombian author of *Love in the Time of Cholera* and *One Hundred Years of Solitude*.**

ANSWER: Gabriel **Garcia** Marquez [or Gabriel José de la Concordia **García Márquez**; prompt on "Marquez" alone]

The current holder of this office drew controversy in 2017 when he urged parents to "send all your kids to *LEGO Batman*," which he hastily clarified was not an endorsement. For 10 points each:

[10] Name this Cabinet position. Tim Geithner oversaw several bailouts after the 2008 financial crisis when he held this position under Barack Obama

ANSWER: Secretary of the **Treasury**

[10] This man, a former Goldman Sachs executive, is the current Secretary of the Treasury. This man faced scandal in 2017 over his use of government airplanes for personal travel.

ANSWER: Steven (Terner) **Mnuchin**

[10] Mnuchin attended this Ivy League university in New Haven, Connecticut. Brett Kavanaugh's time at this university's law school was invoked during his contentious Supreme Court confirmation.

ANSWER: **Yale** University

9. **Geographic features of this country include the Rann of Kutch and the Thar Desert. This country owns the Andaman and Nicobar Islands and the Lakshadweep Islands as union territories. Several mountain ranges pass through this country, including the (*) Hindu Kush and Himalayas. The Ganges is this country's longest river. For 10 points, name this country with a capital at New Delhi.**

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

The Battle of Inchon was a major offensive in this conflict, and this war ended with the establishment of the Demilitarized Zone at the 38th Parallel. For 10 points each:

[10] Name this conflict that ended with an armistice dividing a namesake peninsula.

ANSWER: **Korean** War [accept "Conflict" in place of "War;" or **Hanguk** Jeonjaeng; or **Choguk haebang** chonjaeng]

[10] A major turning point in the war was the arrival of Communist Chinese troops, who crossed this river on the border of North Korea and China to enter the fray.

ANSWER: **Yalu** River [or **Amrok** River; or **Amnok** River]

[10] During World War II, this president removed Douglas MacArthur from command and replaced him with Matthew Ridgeway. This president also authorized the atomic bombing of Japan.

ANSWER: Harry S **Truman**

10. **It's not Buddhism, but members of this religion may write wishes on wooden plaques called *ema* and hang them at shrines. One shrine in this religion is destroyed and rebuilt every 20 years; that shrine is called Ise [EE-say] Jingu and is dedicated to (*) Amaterasu, one of this religion's *kami*. For 10 points, name this traditional religion of Japan.**

ANSWER: **Shintoism** [or **Kami-no-michi**]

According to Old Man Warner, if this story's title event takes place in June, "corn be heavy soon." For 10 points each:

[10] Name this short story by Shirley Jackson in which the title event turns out to be a public execution by stoning.

ANSWER: "The **Lottery**"

[10] Jackson also wrote a novel about the "Haunting of" this alliterative place. This novel was loosely adapted into a Netflix series in 2018.

ANSWER: **Hill House** [or *The Haunting of Hill House*]

[10] This American author called *The Haunting of Hill House* one of the best horror novels of the 20th century. This author is no stranger to the genre, since his own novels include *The Shining*, *Cujo*, and *It*.

ANSWER: Stephen (Edwin) **King** [or Richard **Bachman**; or John **Swithen**; or Beryl **Evans**]

11. **It's not Egypt, but in this country, the Cairo Gang was assassinated by a force led by Michael Collins. That same day, fourteen civilians were killed at Croke Park by the "Black and Tans." That day in 1920 became known as "Bloody Sunday." The all-female *Cumann na mBan* militia fought during this country's (*) Easter Rising. The more moderate Home Rule movement in this country was opposed by Sinn Fein. For 10 points, name this country known as the "Emerald Isle."**

ANSWER: (Republic of) **Ireland** [or **Eire**; or **Irish** Republic; or Poblacht na h**Éireann**]

This god was thrown off of Mount Olympus by his mother because of his deformity. For 10 points each:

[10] Name this crippled Greek god of metalworking.

ANSWER: **Hephaestus**

[10] Hephaestus created this Greek god's winged helmet and sandals. This trickster god later lent those sandals to Perseus.

ANSWER: **Hermes**

[10] Hephaestus also created this first woman in Greek mythology. Because her namesake box was opened, this woman released evils into the world.

ANSWER: **Pandora** [or **Pandora**'s box]

12. **The Penrose process theorizes how energy can be obtained from these objects. These objects can evaporate due to their emission of Hawking radiation. According to the no-hair theorem, these objects have three observable properties. The boundary of these objects is the (*) event horizon, and a "supermassive" one of these objects is theorized to be at the center of the Milky Way. For 10 points, name these massive astronomical objects from which light cannot escape.**

ANSWER: **black holes**

This quantity is equal to about 343 meters per second in air. For 10 points each:

[10] Name this quantity equal to Mach One.

ANSWER: **speed** of **sound**

[10] If an object exceeds Mach One, a shock wave is produced that causes one of these distinctive sounds.

ANSWER: **sonic boom**

[10] Chuck Yeager was the first person to break the sound barrier, doing so in one of this general type of vehicle.

ANSWER: **airplane** [or clear-knowledge equivalents such as **jet**; accept **Bell X-1**]

13. **One composer from *this country* used pizzicato notes to represent a severed head rolling into a basket in a work containing a “March to the Scaffold.” Another composer from *this country* included a notable snare drum ostinato in his most famous work, *Bolero*. That composer is Maurice (*) Ravel. This is the *home country* of the composer of *Carmen*, George Bizet [Bee-ZAY]. For 10 points, name this home country of Hector Berlioz, composer of *Symphonie fantastique*.**

ANSWER: **France**

Answer the following about art museums around the world for 10 points each.

[10] This museum in Paris is home to Leonardo’s *Mona Lisa* as well as the Venus de Milo and Winged Victory.

ANSWER: **Louvre** Museum [or Musée du **Louvre**]

[10] The Prado, which displays Francisco de Goya’s *Third of May 1808* and Diego Velazquez’s *Las Meninas* [“May-nee-nass”], is in this European capital city.

ANSWER: **Madrid**

[10] The Guggenheim Museum in New York City was designed in a distinctive “inverted ziggurat” shape by this American architect, who also designed the Johnson Wax Headquarters in Wisconsin.

ANSWER: Frank Lloyd **Wright**

14. **James Buchanan pressured Associate Justice Robert Cooper Grier to join the majority in this case, and Benjamin Curtis and John McLean wrote dissents. John Emerson was sued by the plaintiff in this case after a journey from Missouri to Illinois and later Wisconsin. As a result of this case, the Missouri (*) Compromise was declared unconstitutional. Chief Justice Roger Taney [Taw-nee] presided over, for 10 points, which 1857 Supreme Court decision that declared the plaintiff had no citizens’ rights because he was born a slave?**

ANSWER: Dred **Scott** v. Sandford [or the **Dred Scott** Decision]

This military commander scored victories at Lake Trasimene and Trebia, but was defeated by Scipio Africanus at the Battle of Zama. For 10 points each:

[10] Name this general who fought the Second Punic War against Rome.

ANSWER: **Hannibal** Barca [prompt on **Barca**]

[10] Hannibal was from this North African city-state, which Cato the Elder argued “must be destroyed” in his speeches at the Roman senate.

ANSWER: **Carthage**

[10] Hannibal tried to take these large animals across the Alps in his invasion of Italy, but many died. Hannibal also attempted a charge with these animals at Zama, but Scipio was able to frighten them with trumpets.

ANSWER: **elephants** [or any specific type of elephant]

15. For a closed system, the total value of this quantity is given by the Hamiltonian.

Combining time symmetry with Noether's theorem proves that this quantity is conserved, which is why perpetual motion (*) machines cannot exist. The SI unit for this quantity is the joule. For 10 points, name this physical quantity that might come in "kinetic" or "potential" forms.

ANSWER: energy [or kinetic energy; or potential energy; or conservation of energy]

In this film, Chihiro's parents are turned into pigs by the witch Yubaba and No-Face's gluttonous appetite leads to him eating several characters. For 10 points each:

[10] Name this film animated by Studio Ghibli.

ANSWER: Spirited Away

[10] This man, a co-founder of Studio Ghibli, is the writer and director of *Spirited Away* as well as *My Neighbor Totoro* and *Howl's Moving Castle*.

ANSWER: Hayao Miyazaki [accept either underlined name]

[10] Miyazaki hails from this country, whose native son Akira Kurosawa directed such films as *Rashomon* and *Seven Samurai*.

ANSWER: Japan

16. The main character of this novel works at the Admiral Benbow Inn with his mother, and characters in this book include the cheese-obsessed Ben Gunn. A page is torn from a Bible to make a "black spot" in this book, and Squire Trelawney organizes a voyage on the (*) *Hispaniola* to follow a map drawn by Captain Flint's crew. The ship's cook is revealed to be a pirate in, for 10 points, what book by Robert Louis Stevenson featuring Jim Hawkins and Long John Silver?

ANSWER: Treasure Island

This scientist studied the cause of flacherie in silkworms, and he also conducted research on fermentation. For 10 points each:

[10] Name this Frenchman who also names a process of heating milk to kill unwanted bacteria.

ANSWER: Louis Pasteur [or pasteurization; or word forms]

[10] Pasteur also developed a vaccine for this disease, which he tested on the nine-year-old Joseph Meister after he was mauled by a dog.

ANSWER: rabies

[10] Pasteur disproved this doctrine in his "soup of life" experiment, which made use of swan-neck flasks. This doctrine, which stated that life could arise from non-living matter, was replaced by biogenesis.

ANSWER: spontaneous generation

17. **This figure fails to stay awake for six days in order to pass an immortality test, and a snake causes him to lose a magical plant with rejuvenating powers. In addition to meeting the flood survivor Utnapishtim, this figure killed the guardian of the Cedar Forest, (*) Humbaba, as well as the Bull of Heaven. Those feats were accomplished with his sidekick, a wild man named Enkidu. For 10 points, name this Mesopotamian hero of a namesake epic.**

ANSWER: Gilgamesh [or *The Epic of Gilgamesh*]

In one literary depiction, this character is encased in ice due to the flapping of his large wings, and his three heads chew on Brutus, Cassius, and Judas Iscariot. For 10 points each:

[10] Name this character who resides in the ninth circle of Hell in Dante's *Inferno*. He rules from Pandemonium in *Paradise Lost*.

ANSWER: Satan [or Lucifer; or the Devil; or Dis]

[10] The residents of the Ninth Circle, including Satan, are guilty of this sin. Other people guilty of this sin that Dante sees are Mordred, who killed King Arthur, and Antenor, who gave Troy to the Greeks.

ANSWER: treachery [or traitors; or clear-knowledge synonyms such as betrayal; accept word forms]

[10] In this man's play *Peer Gynt*, Peer meets a character known as "the Lean One" who is the Devil in disguise as a priest. This Norwegian also wrote a play in which Nora Helmer slams the door in Thorvald's face, *A Doll's House*.

ANSWER: Henrik Ibsen

18. **Tommy Heinsohn won the Rookie of the Year award for this team in 1957, and he currently works as a local TV announcer for this team. During this team's "Ubuntu" era, Kevin Garnett and Paul Pierce anchored the "Big Three" and won the 2008 NBA Championship. This team is currently led by coach (*) Brad Stevens and forward Jayson Tatum. For 10 points, name this team that employed Larry Bird, a Massachusetts-based team that plays its games at the TD Garden.**

ANSWER: Boston Celtics [accept either underlined portion]

This country's capital, Buenos Aires, is found on the Rio de la Plata. For 10 points each:

[10] Name this South American country.

ANSWER: **Argentina** [or **Argentine** Republic]

[10] Buenos Aires is located in this fertile grassland region of Argentina. It is bounded by the Gran Chaco and Patagonia.

ANSWER: **pampas**

[10] Historically, the pampas was home to these Argentinian cowboys. They were known for using weapons called *bolas*, which were three leather-bound rocks on interconnected cords.

ANSWER: **gauchos**

19. During this conflict, Prince Rupert of the Rhine surrendered Bristol, leading to his court-martial. The Marquess of Newcastle's "whitecoats" were routed by Thomas Fairfax's cavalry at one battle in this war. Fairfax teamed up with another commander to found the (*) New Model Army during this war that included the Battles of Naseby and Marston Moor. For 10 points, name this conflict that ended with Oliver Cromwell becoming Lord Protector and Charles I losing his head.

ANSWER: **English Civil** War

In one of this author's plays, the title creatures construct a city called Cloud-cuckoo-land. For 10 points each:

[10] Name this playwright of *The Birds*. He also wrote a play in which Euripides and Aeschylus [*"Ess-ka-luss"*] duel for the title of "Best Tragic Poet."

ANSWER: **Aristophanes**

[10] This is the name of Aristophanes's best-known play, in which a chorus of the title creatures chants "bre-ke-ke-kex ko-ax ko-ax."

ANSWER: The **Frogs** [or **Batrachoi**]

[10] Aristophanes was a master of this type of theater often contrasted with tragedy.

ANSWER: (Old) **Comedy**

20. In this novel, Prince Kurigin's daughter Helene is rumored to have an affair with her brother Anatole, and Helene's husband wounds Dolokhov in a duel. That husband, the central character of this novel, becomes convinced that (*) Napoleon is the Antichrist and sets off on a mission to assassinate him. In this novel, Natasha Rostova transports bodies from the Battle of Borodino before marrying Pierre Bezukhov [Bay-zoo-kov] at the end of this book. For 10 points, name this notoriously long novel by Leo Tolstoy.

ANSWER: **War and Peace** [or **Voyna i mir**]

This government was headed by Philippe Petain. For 10 points each:

[10] Name this Nazi-approved government that ruled France from a namesake city during World War II, while the Germans occupied Paris.

ANSWER: **Vichy** France [or the **French State**; or **État français**; prompt on France]

[10] Vichy France was opposed by the Free French, a government in exile headed by this man. This man founded the Fifth Republic, and Paris's largest airport is named for him.

ANSWER: Charles **de Gaulle**

[10] This June 6, 1944 invasion of Normandy, which took place on beaches code-named Omaha, Utah, Gold, Juno, and Sword, was the first step in the Allied liberation of France.

ANSWER: **D-Day** [or Operation **Neptune**; or Operation **Overlord**]