

MSQB Madness II

Packet 5

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This page is empty to help people who wish to read these questions to themselves.

Tossups

1. **Aaron Burr's daughter had the first recorded honeymoon at this place. The Hooker Chemical Company dumped toxic waste near the Love Canal neighborhood in a city named for this place. The Prospect Point Observation Tower is for tourists viewing this place, who may travel on the Rainbow Bridge. (*)** Goat Island is located in the middle of this place's namesake river, which drains into Lake Erie and flows past the city of Buffalo. The Hornblower and Maid of the Mist are tour boats of, for 10 points, what landmark shared by the US and Canada, which includes the Bridal Veil, Horseshoe, and American Falls?

ANSWER: **Niagara** Falls [accept **Niagara** River] <Geography - US, Sahgal> [Ed. A. Gao]

2. **This organ's most common cancer, the ductal adenocarcinoma ("ah-den-oh-kar-sih-noe-muh") type may involve the formation of exocrine tumors. This organ's namesake cancer is detected using The tumor marker CA 19-9 is used to detect this organ's namesake cancer, often called painless jaundice. Epsilon cells produce ghrelin, the "hunger hormone" in this organ. Most people lack this organ's duct of Santorini and its duct of (*)** Wirsung drains through the ampulla of Vater into the duodenum. Endocrine cells in this organ exist in the islets of Langerhans where delta cells produce somatostatin. For 10 points, what organ's alpha and beta cells secrete glucagon and insulin to manage blood sugar levels?

ANSWER: **pancreas** <Science - Biology, Rao> [Ed. Bhattacharya]

3. **This composer's *Introduction and Rondo Capriccioso*, incorporating Spanish dance motifs, was composed for Pablo de Sarasate. One of this composer's pieces quotes the *Dies Irae* in a waltz theme, and features a violin with its high E string tuned down a (*) half step.** That piece also has a similar xylophone part to the *Fossils* movement of a suite that contains other movements like *The Elephant* and *The Swan*. For 10 points, name this French composer of *Danse Macabre* and *Carnival of the Animals*.

ANSWER: Camille **Saint-Saëns** [or Charles-Camille **Saint-Saëns**] <Fine Arts - Auditory, Grey> [Ed. Koutsoukos]

4. **General Johann von Thielmann prevented troops under Marshall Grouchy from reaching this battle, fighting instead at the concurrent Battle of Wavre ("wahv-ruh"). This battle started at the Chateau of Hougomont ("ooh-gooh-mohn") and was preceded by the Battles of Ligny and Quatre Bras. Prussian troops under (*)** Gebhard von Blücher were instrumental in this win for the Seventh Coalition, after which the losing commander was exiled to Saint Helena. For 10 points, what victory for the Duke of Wellington saw the end of the Hundred Days, the final defeat of Napoleon Bonaparte?

ANSWER: Battle of **Waterloo** <History - European, Rao> [Ed. Koutsoukos]

5. **One character cries after cutting her hair to support her father fighting in this war. That character's mother, Marmee March, constantly helps soldiers fighting in this war. A group of soldiers in a novel about this war are considered expendable because they are "mud diggers." The (*)** "tattered man" asks the protagonist where he's wounded in a novel set during this war, to which he can't respond, since he ran away from battle. For 10 points, name this war shown in the novel *The Red Badge of Courage*, in which the Union and Confederacy fight.

ANSWER: American **Civil War** <Literature - American, Pujara> [Ed. C. Gao]

6. In this country, Lincoln Crowley was the first indigenous person to be appointed a judge in the federal court. While at a conference in Fiji, this country vowed to “end the climate wars” and work to make the Pacific family “even stronger” by its Foreign Minister Penny Wong. In a 2022 election, this country’s Liberal-National Coalition lost to Anthony (*)

Albanese. After failing to meet COVID-19 vaccination requirements, Novak Djokovic was deported from this country. Scott Morrison was formerly the Prime Minister of, for 10 points, what country with capital at Canberra?

ANSWER: Australia [or Commonwealth of Australia] <Current Events, Rao> [Ed. A. Gao]

7. Traditional African architecture uses scaling that is comparable to these shapes, and the idea of these shapes stemmed from the thinkings of Gottfried Wilhelm Leibniz. The name of these shapes comes from the Latin for broken, and they have been defined as a shape where the Hausdorff dimension exceeds the (*) topological dimension, but this definition was later simplified and expanded. These shapes are exemplified in Romanesco broccoli, and a type of this shape is named for Menger. For 10 points, name these self-similar mathematical constructs like the Koch (“COKE”) snowflake, the Sierpinski’s Triangle, and the Mandelbrot set.

ANSWER: fractals <Science - Math, Grey> [Ed. Bhattacharya]

8. This city was the victim of the “cutting off the snake’s head” strategy employed by Pelopidas and Epaminondas in one battle. This city lost against the Sacred Band of Thebes at the Battle of Leuctra and had earlier installed a system of tyrants in one city that only lasted eight months. The Agiads and Eurypontids ruled this city in a (*) dual monarchy alongside a council of 28 elders called the *gerousia*. Boys in this city had to go through the *agoge* training system created by Lycurgus, and the helots were a class of slaves in this city. For 10 points, name this Greek city-state, ruled by Leonidas, which fought Athens in the Peloponnesian War.

ANSWER: Sparta [accept Lacedaemon] <History - Ancient, Grey> [Ed. Koutsoukos]

9. In a poem in this language, a nature spirit attending to the God of Wealth sends a message to his wife through a cloud, sparking a genre of messenger-poems. In another poem in this language, a king is cursed to forget his wife until a fisherman presents him with a ring. That play, *The Recognition of* (*) *Shakuntala*, is different in an epic where the title character’s son is an ancestor of two warring factions. In another epic in this language, a crown prince is sent into exile for 14 years and his wife Sita is kidnapped by Ravana. For 10 points, what classical language was used to write the *Ramayana* and Vyasa’s *Mahabharata*?

ANSWER: Sanskrit [or samskrta or samskrtam] <Literature - World, Pujara> [Ed. C. Gao]

10. This man plays a large role in the *Ginza Rabba* and is the chief Mandaean prophet. In the Gospel of Luke, this man is said to be a relative of Jesus, and the Virgin Mary stayed with his mother during her pregnancy. The angel Gabriel left this man’s father Zechariah dumb after his disbelief that his wife Elizabeth would give birth. This man was (*) beheaded after Salome, the daughter of King Herod, ordered his head on a plate. In the Gospels, this man wore camel hair and ate locusts and honey. This man was a “voice crying out in the wilderness” in the Gospels of Matthew and Mark. For 10 points, what preacher baptized Jesus in the Jordan River?

ANSWER: Saint John the Baptist [prompt on Saint John] <RMPSS - Religion, Rao> [Ed. Macchi]

11. **In this video game, the player can revive their dead horses by visiting the spring of the horse god Malanya. A series of side quests in this game allows the player to contribute to the construction of Tarrey Town, a settlement in the middle of Lake Akkala. The player character gains various magical skills, such as the ability to create ice blocks, by completing this game's first four (*) shrines in a tutorial region known as the Great Plateau. The player must solve the puzzles in four Divine Beasts before defeating Calamity Ganon in, for 10 points, what 2017 installment in the Legend of Zelda series?**

ANSWER: The Legend of Zelda: **Breath of the Wild** [prompt on Legend of Zelda] <Trash, Grey/Thompson> [Ed. Thompson]

12. **When the main character of this novel is dying after a difficult childbirth, her husband offers forgiveness to a cavalry officer, causing him to shoot himself out of guilt. This novel's epigraph is "Vengeance is mine; I will repay," and when two central characters meet, an "evil omen" of a railway man's death takes place. This novel opens with the chaos of (*) Stiva Oblonsky cheating on his wife Dolly with the line "All happy families are alike, each unhappy family is unhappy in its own way." For 10 points, name this novel in which Alexei Vronsky has an affair with the title character, written by Leo Tolstoy.**

ANSWER: **Anna Karenina** <Literature - European, Pujara> [Ed. C. Gao]

13. **This country's Sertão ("sare-toe") people starved during a drought called the Grande Seca. Presidents came from two of its dominant agricultural states in this country's "coffee with milk" period. This country, originally called Vera Cruz declared independence with the (*) Cry of Ipiranga. This country includes lands east of the Tordesillas Line. Princess Isabel signed the 1888 Golden Law to end slavery in this country, the last to do so in the Western Hemisphere. This country, Argentina, and Uruguay fought Paraguay in the War of the Triple Alliance. For 10 points, name this country whose most populous city is São Paulo.**

ANSWER: **Brazil** [or Federative Republic of **Brazil** or República Federativa do **Brasil**] <History - World, Ahuja> [Ed. A. Gao]

14. **The divergence theorem in this many dimensions is equivalent to Green's Theorem. Loschmidt's paradox arises from the H-Theorem, which is a statement for a law of this number. A planetary law named for this number dictates that a line segment covers the same (*) area in equivalent amounts of time, and was formulated by Johannes Kepler. Maxwell's Demon challenged a law of this number, and that law says that the total entropy of a system always increases. For 10 points, what number titles a Newtonian law stating $F = ma$?**

ANSWER: **two** [accept **second**; accept **Second law** of thermodynamics; accept Kepler's **second law** of planetary motion; accept Newton's **second law**] <Science - Physics, Pujara> [Ed. Bhattacharya]

15. **Though not an anthropologist, this thinker wrote about structural Apollonian and mad Dionysian impulses in a work that discussed Greek art, such as tragedy. This thinker contrasted a group that values strength and another that chose to subvert strength. That explanation of slave and master morality was found in their *On The Genealogy of Morals*. This thinker described a force in individuals called the (*) "will to power" and also wrote books such as *Beyond Good and Evil*. For 10 points, name this German philosopher who described the Übermensch in *Thus Spoke Zarathustra* and proclaimed "God is dead."**

ANSWER: Friedrich **Nietzsche** <RMPSS - Philosophy, Grey> [Ed. C. Gao]

16. In one novel by this author, a character is moved when he hears Captain Harville and a woman discuss how women do not give up loving others. In another novel by this author, a character receives a letter detailing how an officer was untrustworthy and attempted to elope with his sister. In a novel by this author, a character resolves to mirror her sister's level head and marries Colonel Brandon. In that novel by this author, (*) Elinor Dashwood represents "Sense" in the title concepts. This author of *Persuasion* created the Bennet family and their neighbor, Mr. Darcy. For 10 points, name this author of *Pride and Prejudice*.

ANSWER: Jane Austen <Literature - British, Pujara> [Ed. C. Gao]

17. The Basilica Cistern is located in this city, which contains the islands of Büyükkada ("be-yoo-kah-dah") and Heybeliada ("HEY-bil-yada"). Another landmark in this city, located in the Beyoğlu ("bay-uh-loo") district, is the Galata Tower. The Haliç ("HALICH") Bridge spans the (*) Golden Horn inlet in this city, which contains Taksim Square. In this city, the Black Sea and the Sea of Marmara are connected by the Bosphorus, which also separates Thrace and Anatolia. This city, both in Asia and in Europe, contains the Topkapi Palace and Hagia Sophia. For 10 points, name this Turkish city.

ANSWER: Istanbul, Turkey [accept Constantinople; accept Byzantium] <Geography - World, Pujara> [Ed. A. Gao/Koutsoukos]

18. During a conflict in this state, James McFarlane was shot at Bower Hill in a skirmish at the house of John Neville. An insurrection that took place in this state was put down by Light-Horse Harry Lee and the Watermelon Army. The Free African Society's help was requested by officials in this state where Benjamin Rush treated patients in a (*) yellow fever outbreak. The Whiskey Rebellion occurred in this state, also the sites of the Battles of Germantown and Brandywine. The Continental Congresses were held in, for 10 points, what state's Independence Hall?

ANSWER: Commonwealth of Pennsylvania [or PA] <History - American, Rao> [Ed. A. Gao]

19. During this war, Irving Berlin's song "White Christmas" was used to signal one event. A memorial for this war features a Frederick Hart statue of three soldiers. Malcolm Browne photographed a car with an open hood next to a man committing suicide during this war. A wall with over 50,000 names is part of a V-shaped memorial to this war designed by (*) Maya Lin. A photo taken during this war shows a line of people waiting to board a helicopter on the roof of a CIA safe house. A Buddhist monk set himself on fire to protest this war. A naked girl is shown running away from a napalm attack during, for 10 points, what war in Southeast Asia?

ANSWER: Vietnam war [accept Second Indochina War] (The first line refers to the fall of Saigon.) <Fine Arts - Visual, A. Gao> [Ed. Koutsoukos]

20. These functional groups can be derived from aldehydes and ketones when a class of reagents is synthesized by inserting a magnesium atom between an R group and a halogen. Molecules with this functional group react with a carboxylic acid in Fischer esterification. A commonly used laboratory mechanism for the synthesis of alkenes involves the (*) "dehydration" of these functional groups. A "secondary" version of this functional group, indicated by the suffix "ol," is exemplified by its "isopropyl" type. Methanol is the simplest example of, for 10 points, what molecules with an OH functional group?

ANSWER: alcohols [accept hydroxyl group] <Science - Chemistry, Heydt> [Ed.]