

Early Release Introductory Set (ERIS)

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Packet 12

Tossups:

1. **The Battle of Red Cliffs is fought in a novel from this country. In another novel from this country, Sandy, Pigsy, and the Monkey King accompany a Buddhist monk to Vulture Peak. *Romance of the Three Kingdoms* and (*) *Journey to the West* are two of the Four Great Classics written in, for 10 points, what country home to the poet Li Bai that was formerly ruled by the Ming Dynasty?**

ANSWER: **China** [or **Zhongguo**] <Tang, Literature>

2. **Part of the Western border of this state is formed by the Red River of the North. This state's "Northwest Angle" is formed by an unusual border along the Lake of the Woods, which this state shares with (*) Canada. This state is home to the source of the Mississippi River, which forms part of its border with Wisconsin. For 10 points, name this "land of ten thousand lakes" whose capital is St. Paul.**

ANSWER: **Minnesota** <Gjesfjeld, Geography>

3. **The coat of arms of Moscow depicts a saint killing one of these animals. Drogon, Rhaegal, and Viserion are three of these animals in *Game of Thrones* owned by Daenerys Targaryen. Thorin Oakenshield leads an expedition to evict one of these animals, (*) Smaug, from the Lonely Mountain. The flags of Bhutan and Wales depict, for 10 points, what mythical fire-breathing flying lizards?**

ANSWER: **dragons** <McAvoy-Bickford, Miscellaneous>

4. **Fractures in the crust of these objects result in "starquakes". One type of these objects rotates rapidly, emits beams of radiation, and are called pulsars. These objects are supported by a namesake (*) degeneracy pressure, preventing them from collapsing into black holes. For 10 points, name these astronomical objects denser than white dwarfs, entirely composed of their namesake uncharged particle.**

ANSWER: **neutron stars** [antiprompt on **pulsars** before mentioned; antiprompt on **magnetars**] <Sethi, Science>

5. **This figure's mother dreamed of an elephant entering her womb before he was born. This cousin of Devadatta married Yasodhara before escaping his father's palace. After seeing a diseased man, a corpse, and a monk, this man meditated under a (*) bodhi tree. The Eightfold Path and the Four Noble Truths were preached by, for 10 points, what man born Siddhartha Gautama who founded an Asian religion?**

ANSWER: Gautama **Buddha** [accept Siddhartha **Gautama** before mentioned] <Ganeshan, Religion>

6. **This politician said that she had broken the "marble ceiling" after being elected to her highest position, in which she succeeded Dennis Hastert. This politician memorably ripped up her copy of the 2020 (*) State of the Union speech.** This woman represents California's 12th congressional district, which comprises most of San Francisco. For 10 points, name this current Speaker of the House.

ANSWER: Nancy Pelosi [or Nancy Patricia D'Alesandro] <Gjesfeld, Current Events>

7. **This country is home to the world's oldest lighthouse still in use, the Tower of Hercules, in its city of A Coruña. This country's Basque-speaking minority lives in cities like Bilbao, while its eastern portion is known as (*) Catalonia.** The slogan "more than a club" is used by a world-famous soccer team from this country's city of Barcelona. For 10 points, what European country is led from Madrid?

ANSWER: Kingdom of Spain [or Reino de España, or Espainiako Erresuma, or Regne d'Espanya] <Stewart, Geography>

8. **A young girl dances herself to death as part of a pagan ritual celebrating the start of this season in one ballet. This season appears in the title of a ballet whose premiere in Paris caused (*) riots to break out.** Aaron Copland wrote a ballet named for the "Appalachian" variety of this season. For 10 points, Igor Stravinsky wrote "The Rite of" what season that comes after winter?

ANSWER: spring [accept The Rite of Spring or Appalachian Spring] <Sarma, Fine Arts>

9. **The "nearly free electron" theory describes one form of this phase of matter, which is to the immediate left of the triple point. In sublimation, this phase of matter turns into a gas, and (*) precipitates formed during reactions are this phase of matter.** For 10 points, identify this phase of matter which does not expand or flow, and is typically denser than liquids or gases.

ANSWER: solids <Karpov, Science>

10. **Many 16th and 17th century maps incorrectly depicted this modern-day U.S. state as an island. Francis Drake claimed the colony of New Albion in this state. Junípero Serra founded many missions along this state's Camino Real. The (*) Donner Party died trying to reach this state, where an 1849 gold rush attracted thousands of migrants.** For 10 points, name this "Golden State".

ANSWER: California <McAvoy-Bickford, History>

11. **The speaker of this poem asks its subject "is there - is there balm in Gilead?" before ordering it "back into the tempest and the Night's Plutonian shore". The title animal of this poem is perched on a "pallid bust of (*) Pallas just above my chamber door".** "Once upon a midnight dreary" is the opening of, for 10 points, what poem by Edgar Allan Poe in which the title bird declares "nevermore"?

ANSWER: "The Raven" <Tang, Literature>

12. **This organ is attached to the body wall by the falciform ligament, which separates it into two lobes. Excessive alcohol consumption can cause this organ to become scarred and lose function, a condition called (*) cirrhosis.** This organ can become inflamed in hepatitis, and the gallbladder stores bile produced by it. For 10 points, name this largest internal organ.

ANSWER: liver <Sethi, Science>

13. **One man with this surname ran a campaign ad about the prisoner Willie Horton. A recount of "hanging chad" ballots in Florida enabled another man with this surname to narrowly defeat Al Gore in one election. A man with this surname who promised, "Read my (*) lips: no new taxes" later lost re-election in 1992 to Bill Clinton.** For 10 points, give this surname of two U.S. Presidents named George.

ANSWER: Bush [accept George H. W. Bush, George W. Bush, or just George Bush] <Kang, History>

14. **This leader led a Grand Embassy through Western Europe, which inspired him to Westernize his country by means such as introducing a formalized Table of Ranks for the military. This man's country fought the Great Northern War against Sweden from (*) 1700 to 1721.** For 10 points, what Russian tsar built a capital on the Neva River named for a saint with the same name?

ANSWER: Peter I [or Peter the Great; prompt on Peter] <Gunter, History>

15. **At the end of this novel, the main character is devastated when 511 children "balloon" from his residence. In this novel, a rodent named Templeton refuses to help other characters unless he is offered food. One character in this novel (*) weaves words such as "SOME PIG!" and "TERRIFIC" into the title object.** For 10 points, name this novel by E. B. White about a certain spider and the pig Wilbur.

ANSWER: Charlotte's Web <Karpov, Literature>

16. **Achilles owned two of these animals that were immortal and named Balius and Xanthos. Hercules fed Diomedes to some of these animals that he had raised to eat flesh. These animals were crossed with fish in the mythical hippocampus. (*) Bellerophon captured a winged example of one of these animals and used it to try to get to Mt. Olympus.** For 10 points, what kind of animal was Pegasus?

ANSWER: horse [accept winged horses; prompt on Pegasus by asking "what kind of animal was he?"] <McAvoy-Bickford, Mythology>

17. **The van 't Hoff factor is denoted by the lowercase version of this letter. The element denoted by this letter is used in a test to detect starch and to treat goiters, or swelling of the thyroid. This letter is used to represent electric (*) current.** The square root of -1 is denoted by, for 10 points, what letter that represents both the imaginary number and the element Iodine?

ANSWER: i <Sarma, Science>

18. **If a matrix has determinant zero, then it cannot have one of these things. Functions that fail the horizontal line test do not have one of these things, and reflecting the graph of a function across the line $y=x$ gives the graph of this thing for it. For the function $f(x)=x^2$ ("f of x equals x squared"), the square (*) root function serves as this thing.** For 10 points, identify these functions which "undo" another function.

ANSWER: inverses <Karpov, Mathematics>

19. **This dynasty's Emperor Wu defeated the Xiongnu (shong-noo), turning them into a Chinese tributary, and established Confucianism. This dynasty was succeeded by the Three Kingdoms Period. Liu Bang founded this (*) longest-reigning Chinese dynasty, succeeding the Qin (chin).** For 10 points, name this Chinese dynasty which reigned from 202 BC to 220 AD and shares its name with the largest Chinese ethnicity.

ANSWER: Han Dynasty <Rameshbabu, History>

20. **English-Portuguese trade in cloth and this man-made good were analyzed by economist David Ricardo. Regions like Bordeaux in France and California's Napa Valley contain many (*) vineyards, which grow this drink's main ingredient and then produce it.** For 10 points, what alcoholic beverage comes in "red" and "white" varieties, depending on the color of the grapes used to make it?

ANSWER: wine [prompt on alcohol] <Ganeshan, Miscellaneous>

Bonuses:

1. This artist created a series of paintings showing haystacks through different seasons. For 10 points each:
[10] Name this Impressionist painter well known for his *Water Lilies* series, a set of depictions of his flower garden in Giverny (**zhee-vair-NEE**).

ANSWER: Claude **Monet** [or Oscar-Claude **Monet**; do NOT accept "Manet"]

[10] This other Impressionist painter painted *The Absinthe Drinker* and created portraits of bathers such as *After the Bath*.

ANSWER: Edgar **Degas** (day-GAH)

[10] Degas also made numerous paintings of people doing this activity, often while wearing tutus and other equipment used for ballet, a form of this activity.

ANSWER: **dancing** <Tisdale, Fine Arts>

2. This man wrote about Pierre Bezukhov and Natasha Rostova in his novel *War and Peace*, set during a Napoleonic invasion of his country. For 10 points each:

[10] Name this author who also wrote *The Death of Ivan Ilyich*.

ANSWER: Leo **Tolstoy** [or Lev [Nikolayevich] **Tolstoy**]

[10] Tolstoy was a native of this country, which Napoleon famously attempted to invade in the winter. Other authors from this country include Fyodor Dostoyevsky and Alexander Pushkin.

ANSWER: **Russia** [or the **Russian Empire**, or **Rossiya**]

[10] The title character of this Tolstoy novel commits suicide by train. It begins by declaring "Happy families are all alike; every unhappy family is unhappy in its own way".

ANSWER: **Anna Karenina** <Cui, Literature>

3. Answer some questions about 4-digit numbers which contain the digits 7 and 8 exactly twice each, for 10 points each:

[10] There are this many possible such numbers, equal to the value of 4 choose 2.

ANSWER: **6**

[10] Two of the numbers, 7887 and 8778, are this kind of number which is the same written both forwards and backwards.

ANSWER: **palindromes**

[10] All six numbers must be divisible by this smallest odd prime, because any number whose digits sum to a multiple of this number, like 12 or 39, must be divisible by this number.

ANSWER: **3** <Thompson, Mathematics>

4. In one scene during this novel, John the Savage states that he claims the right to be unhappy, and at the end of the novel, he commits suicide in an abandoned lighthouse. For 10 points each:

[10] Name this novel set in a futuristic dystopia engineered to ensure constant happiness, with five social classes ranging from Alpha to Epsilon. Its protagonist Bernard Marx is exiled at the end of the book.

ANSWER: **Brave New World**

[10] This English author wrote *Brave New World*. Some of his other works include *The Doors of Perception* and *Point Counterpoint*.

ANSWER: Aldous [Leonard] **Huxley**

[10] This real-life American industrialist is worshipped by the society of *Brave New World*, whose calendar counts the number of years since this man's automobile company produced its first Model T car off the assembly line.

ANSWER: Henry **Ford** [accept After **Ford**] <Cui, Literature>

5. This organ contains several regions called "lobes", including the frontal and parietal ones. For 10 points each:

[10] Name this organ located inside the skull, the center of the body's nervous system.

ANSWER: **brain**

[10] This part of the brain derives its name from the Greek word for "seahorse". It is responsible for converting short-term to long-term memories, and humans contain two, one for each side of the brain.

ANSWER: **hippocampus** [or **hippocampi**]

[10] Two other parts of the brain, Broca's area and Wernicke's (**VER-nick-uh's**) area, are responsible for this ability, and damage to those areas can cause aphasia, in which they are unable to perform this ability successfully, instead producing meaningless gibberish or repeated syllables.

ANSWER: **speech** [or **language** or **talking** or really anything that refers to flapping your vocal cords and making sound come out of your mouth hole] <Young, Science>

6. This man lost reelection to Clement Attlee, and he once served as First Lord of the Admiralty. For 10 points each:

[10] Name this British Prime Minister who led the country during World War II. In a famous 1940 speech, he said he had nothing to offer but "blood, toil, tears, and sweat".

ANSWER: Sir Winston **Churchill**

[10] Churchill was a member of this political party, one of the two major British political parties along with the Labour Party. Its name indicates its center-right policy positions, and its recent prime ministers have included Theresa May.

ANSWER: **Conservative** Party [or the **Tories**]

[10] Churchill resigned as First Lord of the Admiralty after this failed military campaign in the Dardanelles. The anniversary of the landings in this campaign is a national holiday in Australia and New Zealand.

ANSWER: **Gallipoli** campaign [accept Battle of **Gallipoli**; accept Battle of **Canakkale**; prompt on the Dardanelles Campaign] <Cui, History>

7. One of these occurred on Good Friday in 1964 in Alaska, and a devastating one of these in 1906 caused days of fires in San Francisco. For 10 points each:

[10] Name these events in which tectonic plates interact, causing the release of seismic waves. They often cause the ground to shake and destroy buildings.

ANSWER: **earthquakes**

[10] Earthquakes' intensity is measured by this logarithmic scale, which has largely been replaced by the moment magnitude scale. Earthquakes with a value of above 7.0 on this scale are considered "major".

ANSWER: **Richter** magnitude scale

[10] This term is used to describe the point on the Earth's surface directly above where an earthquake started. It is contrasted with the hypocenter.

ANSWER: **epicenter** <Young, Science>

8. The last king of this ethnic group, Cetshwayo kaMpande (**thet-shwah-yo kaam-paan-day**), was defeated by a colonial army. For 10 points each:

[10] Name this ethnic group, which today is the largest in South Africa. A province of South Africa is named for this ethnic group and Natal.

ANSWER: **Zulu** people [or **amaZulu**]

[10] This early 19th century Zulu monarch developed the "bull horn" formation and a shorter style of spear as part of his massive military reformation. The expansion of his realm is argued to have triggered the *Mfecane* (**m-fay-thaa-nay**), a long period of social upheaval in southern Africa.

ANSWER: **Shaka** Zulu [or **Shaka** kaSenzangakhona]

[10] The Zulu Kingdom was eventually defeated by this colonial power, whose armies were also involved in the Boer Wars in South Africa. This country's colonial possessions also included Nigeria, Canada, and Australia.

ANSWER: the **British Empire** [or the **United Kingdom** of Great Britain and Northern Ireland, or the **UK**, or Great **Britain**] <Singh, History>

9. For 10 points each, answer the following about the work of economist Adam Smith:

[10] In *The Wealth of Nations*, Smith argued that division of this term makes workers more efficient. This term, a synonym for "work", is the total human activity required to produce a good.

ANSWER: **labor**

[10] To illustrate the division of labor, Smith began *The Wealth of Nations* with an anecdote about visiting a factory for these objects, where every worker had a different job.

ANSWER: **pins**

[10] Smith's ideas are foundational to this economic system, in which the means of production are privately owned and operated for a profit by corporations. It is often contrasted with communism, in which the means of production are public.

ANSWER: **capitalism** [accept word forms like **capitalist**; accept specific types of capitalism, such as free-market **capitalism**] <Sarma, Social Science>

10. This planet was mathematically predicted to exist by Verrier, and was directly observed by Galle. For 10 points each:

[10] Name this 8th planet, the farthest from the Sun, slightly more massive than its "twin", Uranus.

ANSWER: **Neptune**

[10] Neptune's largest natural satellite is this moon, which unusually orbits Neptune in the opposite direction from Neptune's rotation.

ANSWER: **Triton**

[10] Triton's surface is mostly made up of the solid form of this element. The liquid form of this element, which boils at -320 degrees Fahrenheit, is often used as a coolant.

ANSWER: **nitrogen** [accept liquid **nitrogen**; prompt on **N**] <Sethi, Science>

NOTE TO MODERATORS: DO NOT REVEAL ALTERNATE ANSWERS TO THE FIRST BONUS PART.

11. These people believe that the land contains spiritual tracks called songlines. For 10 points each:

[10] Name these people whose mythology includes the giant Rainbow Serpent, who swallows the Wawalag sisters and then regurgitates them to create the land in one creation myth.

ANSWER: **Aboriginal** people [or **Aborigines**; accept specific Aboriginal groups; accept but DO NOT OTHERWISE REVEAL answers like **Australian Aboriginal** people]

[10] The Aboriginal people, whose groups include the Guugu Yimithirr (**koo-koo yih-mih-ter**), are native to this country. This landmass was colonized by British explorers who first established a settlement at what is now its largest city of Sydney.

ANSWER: Commonwealth of **Australia**

[10] During the colonial period, many Aboriginal groups adopted myths of a white man with this name visiting Australia and changing the social order. An *actual* British captain with this name made the first European landing on Australia.

ANSWER: James **Cook** [or Captain **Cook**] <McAvoy-Bickford, Mythology>

12. Answer the following about the classical influences on the alt-rock band Muse. For 10 points each:

[10] Muse's "United States of Eurasia" quotes a piece by this Polish composer of many nocturnes, the Minute Waltz, and the Fantaisie-Impromptu.

ANSWER: Frédéric [François] **Chopin**

[10] Muse was also influenced by this minimalist composer of the operas *Einstein on the Beach* and *Satyagraha*.

ANSWER: Philip **Glass**

[10] Another of Muse's influences was Heitor Villa-Lobos, a composer from this country where he was born in Rio de Janeiro.

ANSWER: **Brazil** <Young, Fine Arts>

13. A geyser basin in this national park is home to the bright blue Grand Prismatic Spring, the largest hot spring in the United States. For 10 points each:

[10] Name this national park, which is home to a geyser named "Old Faithful" because it erupts at regular, predictable intervals.

ANSWER: **Yellowstone** National Park

[10] The majority of Yellowstone National Park is in this least-populous U.S. state, with capital at Cheyenne.

ANSWER: **Wyoming**

[10] This national park directly south of Yellowstone, the other national park in Wyoming, contains part of a valley called Jackson Hole. This park shares its name with its tallest mountain.

ANSWER: **Grand Teton** National Park <Kher, Geography>

14. In once song, this artist sings "I like when you get mad / I guess I'm pretty glad that you're alone." For 10 points each:

[10] Name this artist known for her hits "everything i wanted" and "bad guy".

ANSWER: Billie **Eilish** [or Billie Eilish Pirate Baird **O'Connell**]

[10] Eilish's "you should see me in a crown" was used on the soundtrack to the 2019 edition of this popular soccer video game by EA Sports. It shares its name with the world governing body for soccer.

ANSWER: **FIFA** [accept *EA Sports FIFA* or *FIFA 19*]

[10] Eilish also became the youngest person to write and perform a James Bond theme song when she was hired to produce the title track from this 2020 movie starring Daniel Craig as James Bond.

ANSWER: **No Time to Die** <Tang, Popular Culture>

15. This man founded the computer company NexT after being kicked out of his own company by John Sculley, but he was eventually brought back as CEO. For 10 points each:

[10] Name this co-founder of Apple who died from cancer in 2011.

ANSWER: Steve **Jobs**

[10] Jobs was also an initial investor of this animation company, which was eventually acquired by Disney. At the beginning of this company's films, a lamp squishes the letter "I".

ANSWER: **Pixar** Animation Studios

[10] Jobs worked with this other Apple cofounder, who developed the Apple I ("**one**") and II ("**two**") computers. On one occasion, Jobs used this man's work to get a \$5,000 bonus from Atari while only paying him \$350.

ANSWER: Steve **Wozniak** [accept **Woz**] <Sarma, Miscellaneous>

16. For 10 points each, name these Revolutionary War battles:

[10] This battle was the last of the Revolutionary War, where Lord Cornwallis was defeated by George Washington and the Count de Rochambeau.

ANSWER: Battle of **Yorktown**

[10] These first two battles of the Revolutionary War were fought in towns outside Boston in 1775. Name *either*.

ANSWER: Battle[s] of **Lexington** and **Concord** [accept either or both underlined portions]

[10] George Washington secretly crossed the Delaware River and defeated the Hessians in this battle in New Jersey which occurred the day after Christmas.

ANSWER: Battle of **Trenton** <Cui, History>

17. If you go to the moon, your weight changes, but this quantity does not. For 10 points each:

[10] Name this quantity measured in kilograms. Weight equals this quantity multiplied by gravitational acceleration.

ANSWER: **mass**

[10] This vector quantity is equivalent to mass multiplied by velocity, and impulse measures the change of this quantity.

ANSWER: linear **momentum** [do NOT accept or prompt on "angular momentum"]

[10] This principle named for a German scientist posits that more knowledge about a particle's position means less knowledge about its momentum and vice versa.

ANSWER: **Heisenberg** uncertainty principle <Cui, Science>

18. This event was promoted by W. E. B. DuBois. For 10 points each:

[10] Name this event in which millions of oppressed African Americans moved North because of the South's discriminatory practices during the middle of the 20th century.

ANSWER: the **Great Migration**

[10] This organization promoted the Great Migration under the leadership of W. E. B. DuBois. This organization's field secretary, Medgar Evers, was murdered by Byron De La Beckwith, and its newspaper was known as The Crisis.

ANSWER: the **NAACP** [or the **N**ational **A**ssociation for the **A**dvancement of **C**olored **P**eople]

[10] Medgar Evers was killed in this state, also the site of Emmett Till's murder. This state's capital lies at Jackson.

ANSWER: **Mississippi** <Young, History>

19. In this book, an English professor nicknamed Bando arrives at Sam's house on Christmas Eve. For 10 points each:

[10] Name this Jean Craighead George book where Sam Gribley leaves the city to live self-sufficiently in a treehouse in the forest.

ANSWER: ***My Side of the Mountain***

[10] Sam tames a peregrine bird of this type, which he names Frightful, to hunt for him.

ANSWER: peregrine **falcons**

[10] Sam leaves this state's largest city for its village of Delhi in its Catskill Mountains. F. Scott Fitzgerald's novel *The Great Gatsby* takes place on this state's Long Island.

ANSWER: **New York** <McAvoy-Bickford, Literature>

20. This Biblical book opens with a letter to the Seven Churches of Asia, followed by a prophecy of the events that will precede the second coming of Jesus. For 10 points each:

[10] Name this last book of the Bible. In it, seven seals are opened and seven trumpets sounded, among other visions of the end of the world.

ANSWER: the Book of **Revelation** [or the **Apocalypse of John**; prompt on Apocalypse; do NOT accept or prompt on just "John"; do NOT accept or prompt on "Revelations" in the plural]

[10] In Revelation, the Scroll of God reveals this many horsemen of the apocalypse.

ANSWER: **four**

[10] This is the last of the four horsemen of the apocalypse, and the only one to be explicitly named in Revelation. He comes on a pale horse.

ANSWER: **Death** [or **Thanatos**] <Tisdale, Religion>