

OOT 2016: “Waiting for Goldman”
Packet 4 (Imperial)

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1. One of these animals had a scarab mark under its tongue which marked it as the Herald of Ptah, and its movements were used as an oracle. Mnevis and Buchis were regional Egyptian gods that took the form of this animal. When she first reached the North African coast, Dido was granted as much land as it could be covered by the hide of one of these animals. A fresco in Knossos shows the Minoan ritual of leaping over one of these animals, and the Cretan one of these animals was slain in the seventh of Hercules’s labours. For 10 points, which male ungulate is the animal half of the Minotaur?

ANSWER: **Bull** or **ox** (do not accept cow or generically cattle)

2. One character in this work fails in his suicide attempt when a doctor lies about where his heart is. One character in this novel is haunted by Prudencio Aguilar, whom he killed in a duel, and a swarm of butterflies carries Remedios the Beauty up into the sky. This novel ends with a baby being eaten by ants while a whirlwind destroys a town; it also includes seventeen brothers with indelible ash crosses on their foreheads, all of them called Aureliano. This novel opens with a boy in the tropics being taken to see ice, where he is introduced to the ageless nomad Melquiades. For 10 points, the story of the Buendía family, set in Macondo, is told in what magical realist novel by Gabriel García Márquez?

ANSWER: *One* **Hundred Years of Solitude** [accept A **Hundred Years of Solitude** or **Cien años de soledad**]

3. This composer wrote his only symphony at the age of 20, nicknamed the “forbidden symphony”, due to his insistence that it must never be performed. A popular piece for piano by this composer was originally titled “The Well-Wishers are Coming” - he later renamed that piece for his house, *Wedding Day at Troldhaugen*, and it can be found in his *Lyric Pieces*. Like Schumann, he wrote a noted *Piano Concerto in A minor* - that piece opens with a timpani roll and a descending passage for the soloist. Including “Morning Mood” in his suite of incidental music for Henrik Ibsen’s play *Peer Gynt*, for 10 points, name this Norwegian composer.

ANSWER: Edvard Hagerup **Grieg**

4. In this opera’s final scene, a character remarks that her spasms of pain have ceased and that she returns to life, only to die immediately after. Doctor Grenvil treats that character in this opera for a disease that gets worse after her lover throws money at her singing *Qui testimon vi chiamo*. That character in this opera abandoned that lover at his father’s insistence in a heart- wrenching scene where the lover sings *Amami Alfredo*. In the first scene of this opera, a courtesan meets her future lover and asks him to toast to her health, and they sing together *Libiamo ne’ lieti calici*. For 10 points, name this Verdi opera about Violetta Valery.

ANSWER: **La Traviata**

5. If a gluon was in a singlet state for this phenomenon, the strong force would have infinite range. A quantity associated with it was formulated to explain the apparent violation of the Pauli Exclusion Principle by Omega minus baryons. Charge-transfer complexes often give rise to this phenomenon due to their excitation energy. The quantum theory of this describes the effects of the strong force and deuteranomaly causes a condition that can be registered by the Ishihara test due to an insensitivity to certain forms of these phenomena. For 10 points, name these things produced by a single wavelength of visible light?

ANSWER: **Colours**

6. This person exiles themselves to Ahch-to and they were born in Polis Massa. This person is attacked by thieves in the employ of Grakkus on Nar Shaddaa in addition to defeating the Malachor Company on Er’Kit. This person destroys the *Khetanna* whilst avoiding being thrown into the Great Pit of Carkoon. This person gets hit by force lightning immediately after declaring themselves a Jedi. Whilst their sister was adopted by the queen of Alderaan, this person was adopted by a moisture farmer named Owen Lars. The Millennium Falcon saves this person shortly before they fire the missile which destroys the first Death Star. For 10 Points, name this son of Darth Vader.

ANSWER: **Luke Skywalker** (prompt on partial ANSWER)

7. The PYLIS and SECIS elements are named for being insertion sequences for two of these entities. These entities are selectively extracted by reaction with phenyl isothiocyanate in a technique named for Edman. The shikimic acid pathway is used in bacteria, fungi and algae to generate these entities. These entities are represented by points on a Ramachandran plot which maps their dihedral angles. These entities are carried by tRNAs to ribosomes where they are incorporated into the product of translation where they are specified by a three nucleotide codon. Including proline, alanine and glycine, for 10 points, which biomolecules are the building blocks of proteins?

ANSWER: **Amino Acids**

8. In the 15th century, the War of Ferrara was fought by Venice to win control over production of this commodity. It's not wine but Vikings raided the monastery of Noirmoutier for this commodity. Samuel Winslow, the first person to receive a patent in North America, received one for the production of this commodity in the Massachusetts Bay. Slabs made of this product were used as coins in Abyssinia. The Roman road that led from Rome to the Adriatic Sea was named for this commodity. Abolished in 1790, the French tax on this commodity was known as the gabelle. A British tax on this commodity inspired Gandhi to a famous march. For 10 points, name this commodity traditionally panned in sea-side towns such as Trapani.

ANSWER: **Salt**

9. This event happened near the fishing village of Bethsaida, although a church commemorating this event is built in the nearby village of Tabgha. This event occurred after the death of John the Baptist, when Jesus was looking to be alone but was greeted by large crowds. According to John and Mark, after this event Jesus retreated with his disciples and walked on water. This is the only miracle of the New Testament, besides the Resurrection, to be mentioned in all four gospels and there were reported to be twelve baskets of leftovers after this event. For 10 points, name this miracle of Jesus where he reportedly multiplied five loaves and two fish.

ANSWER: **Feeding the multitude** or **first Feeding Miracle** or **Feeding of the 5000** (accept **multiplying the bread and the fishes** before it is mentioned, do not accept Feeding of the 4000)

10. Because tradition dictates that the cathedral has to be the tallest building in this city, a replica of the statue atop the cathedral has been placed atop this city's former tallest building which used to house the offices of a tyre company based in this city. This city's cathedral is the world's fifth largest church and is located next to the former royal palace in this city, one of whose murals depicts a shirtless Napoleon. This city's city hall is called the, Palazzo Marino, and its opera house is the Teatro alla Scala. Via Dante connects the cathedral to a castle built by this city's early rulers, the Sforza. For 10 points, which Italian city is the capital of Lombardy?

ANSWER: **Milano**

11. The protagonist of this novel believes that the most poetical of human creations is the London Underground timetable. Another character in this novel attempts to assassinate the Czar of Russia and the President of France, but is stopped after a duel with the novel's protagonist. The novel's protagonist attempts at one point to flee the corpse-like Professor de Worms, only to discover that he is a police detective. In fact, Dr Bull, Gogol, Syme and the Secretary are all secretly police agents from Scotland Yard in the Central Anarchist Council, whose only true member is the enormous Sunday. For 10 points, which G. K. Chesterton novel tells the story of an undercover policeman with a codename of a day of the week?

ANSWER: **The Man Who Was Thursday**

12. Due to a rash attack by Scottish forces, one part of this engagement was so disastrous for the defenders of this siege that the French Dauphin nearly abdicated over it. One incident during this siege owes its name to a shipment of fish meant for the besiegers that was assaulted by the defenders. However, a relief force sent from Blois entered the city and then helped storm the defences at St. Loup and the Tourelles, lifting this siege. With this siege broken, the French could begin the Loire Campaign, having been inspired by the words "Begone, or I will make you go." For 10 points, which turning point of the Hundred Years War saw Joan of Arc lift the siege of a city on the river Loire?

ANSWER: Siege of **Orléans** (anti-prompt on the Battle of the Herrings)

13. In a novel from this region, the youngest of a set of brothers works as a fisherman in order to repurchase the house by the medlar-tree. In another novel from this region, a family's descent into misery begins when the son of the family dies at sea with a load of lupin beans. In a series of mystery novels from this region, an inspector with a fondness for pasta with sardines solves crimes such as *The Snack Thief* and *The Terracotta Dog*. In another novel from this region, a man strikes it lucky at the Monte Carlo casino and is overjoyed to find out he's been declared dead in his hometown. For 10 points, which Mediterranean island is home to writers Giovanni Verga, Andrea Camilleri, Luigi Pirandello and Tomasi di Lampedusa.

ANSWER: **Sicily** [accept **Sicilia**; prompt on "Italy" or "Italia"]

14. This idea can be expressed as $P = \{1,0,1,0\}$. Biologist Robert Triver's concept of reciprocal altruism differs from this principle in its inability to restore co-operation. This is not a subgame perfect Nash equilibrium because two players using this strategy can get trapped in a "death cycle". A similar more forgiving strategy was formed, but when tested it proved ineffective. This strategy is forgiving, nice and proved the most simple and effective at a tournament organised by Robert Axelrod. For 10 points name this strategy developed by Anatole Rappaport for the iterated prisoner's dilemma in which players begin with co-operating and then mimic their opponent's moves.

ANSWER: **Tit-for-Tat**

15. In a self-portrait this artist depicted themselves in green leaning in from the right to paint on a blank canvas at the top left. Some scholars have argued that Viviano Codazzi, a friend of this painter's father Orazio, produced many architectural backgrounds for paintings by this artist. One painting by this artist of *Self-Portrait as the Allegory of Painting* shows a woman in gold leaning over a man in red and blue just before hammering a nail into his neck. Agostino Tasso, who raped this artist of *Jael and Sisera*, is the model for the head of the person being decapitated in this artist's *Judith Beheading Holofernes*. For 10 points name this Italian painter, the first woman admitted to the Florentine Art Academy.

ANSWER: Artemisia **Gentileschi**

16. An alliance of these two countries was utterly defeated in the Fantastic War. These two countries co-own Pheasant Island, on which a 1659 treaty was signed. That treaty ended a war between these two countries which had seen one side conquer Dunkirk from the other and cede it to the British. The prospect of these two countries becoming ruled by the same monarch caused a war which saw the Grand Alliance fight the Two Crowns. These two countries signed the 1779 Treaty of Aranjuez, based on whose terms they both fought on the side of the colonists in the American War of Independence. Which two countries, for 10 points, which border Andorra?

ANSWER: **France** and **Spain**

17. Admiral Togo believed it proper to compare himself to Horatio Nelson, but thought this admiral to be greater than either of them. This admiral's victory at Okpo was their first naval battle, having previously distinguished themselves fighting Jurchen marauders. This admiral's greatest victory came in a strait where the direction of the current changed with the tide and allowed him to win with 13 ships against 133, the Battle of Myeongnyang. This admiral was undefeated in all naval engagements, although he died during the Battle of Noryang, which saw the Japanese finally repelled. For 10 points, name this admiral who is credited with designing the turtle ship and defended his country during the Japanese invasions of Korea.

ANSWER: Admiral **Yi** Sun-sin

18. A common catalyst system for Huisgen cyclisation uses copper iodide and one of these substances named for Hunig. Salen is an example of one of these substances named for Schiff, which consist of imines with alkyl substituents. Non-nucleophilic examples of these substances include LDA and KHDMS. Ester hydrolysis proceeds irreversibly when a strong one of these substances is the catalyst. These substances turn phenol phthalein pink. These substances were defined by Lewis to be electron pair donors. For 10 points, name these substances with pH greater than seven.

ANSWER: **Bases** (accept **Alkalis**)

19. In a short story by this author, a man tries to have a last meaningful conversation with a Jesuit priest, but it turns out he isn't dying and only has undulant fever. In another short story by this author, a social worker drives his son to suicide by devoting his attention to the delinquent Rufus, and in another, a writer accidentally kills his mother while shooting at the destitute Sarah Ham. In the best known short story by this author, because she mistakenly remembers a house as being in Georgia instead of Tennessee, the Grandmother is eventually killed by the Misfit. For 10 points, "The Enduring Chill," "The Lame Shall Enter First," "The Comforts of Home," and "A Good Man is Hard to Find" are all short stories by which Southern Gothic author?

ANSWER: Flannery **O'Connor**

20. The BICEP 2 collaboration recently withdrew their claim that they had identified evidence for inflation in this entity. The Sachs-Wolfe effect causes this entity to appear uneven through gravitational red-shifting, while inverse Compton scattering causes the distortion of this entity in the Sunyaev-Zel'dovich effect, allowing dense and distant galaxy clusters to be identified. This thing was discovered by accident in 1964 by Arno Penzias and Robert Woodrow Wilson after ruling out that it could be birds' droppings. Planck and WMAP described this as an almost isotropic black body with temperature around 2.7 Kelvin. For 10 points, name this residual radiation from the big bang.

ANSWER: **Cosmic microwave background** radiation (or **CMBR**)

1. That of Ganesha is the mouse Mushika, while Nandi is used by Shiva. For 10 points each:

[10] Some Hindu deities use specific beings as vehicles. Name this Sanskrit word for mount, which literally means "that which carries".

ANSWER: **Vahana**

[10] Vishnu uses this mythological eagle-like creature as a mount. Today it is the symbol of Indonesia and Thailand.

ANSWER: **Garuda**

[10] Kubera, the dwarf Lord of Wealth, uses nara as a mount. Nara can be translated as these beings and the first of these beings in any new aeon in Hindu myth is called a Manu. Examples include Arjuna and the other pandavas.

ANSWER: **Man**

2. DMARDs are a class of drugs developed to treat this autoimmune condition which causes boutonniere and swan-neck deformities. For 10 points each:

[10] Name this inflammatory disorder that tends to affect the distal joints such as those in the fingers.

ANSWER: **Rheumatoid Arthritis** [prompt on "arthritis", do not accept "osteoarthritis"]

[10] Rheumatoid arthritis affects this type of joint as it involves inflammation of its namesake membrane which lines the joint cavity. That membrane produces a fluid that fills the cavity and lubricates the joint.

ANSWER: **Synovial** joints

[10] Some of the disease modifying antirheumatic agents used to treat rheumatoid arthritis inhibit the actions of this cytokine originally called cachexin. Examples include infliximab and etanercept.

ANSWER: **TNF alpha** [or **Tumour necrosis factor alpha**]

3. This metal burns with a brilliant white light and is used in flares. For 10 points each,

[10] Name this metal which inserts into a carbon-halogen bond to form Grignard Reagents.

ANSWER: **Magnesium**

[10] Grignard reagents in solution exist in an equilibrium between monoalkyl and dialkyl forms. That equilibrium is named for this chemist, who also names a type of vacuum manifold used to perform air-sensitive procedures.

ANSWER: William **Schlenk**

[10] Magnesium plays an essential role in biology as it binds to this tetra-anionic compound in solution. This compound is produced by a protein with a rotating F1 subunit and a transmembrane F0 subunit.

ANSWER: Adenosine TriPhosphate

4. John argues that seatbelts are ineffective because they cannot prevent all possible car accidents. For 10 points each:

[10] That argument is an example of this fallacy, where a false dichotomy is created between reality and an idealised, unattainable state.

ANSWER: Nirvana or perfect solution fallacy

[10] John also argues using the story of his cousin, who's never used a seatbelt and is still alive, which is an example of this kind of evidence.

ANSWER: Anecdotal evidence

[10] John is so mediocre he lacks the metacognitive ability to realise he's mediocre and using a lot of fallacies. It is an example of this doubly-eponymous effect.

ANSWER: Dunning-Kruger effect

5. Ralph Waldo Emerson led the Transcendentalist movement in America and influenced writers and poets of his time. For 10 points each:

[10] The foundation for Transcendentalism was laid in this Emerson essay published in 1836.

ANSWER: Nature

[10] This person followed Transcendentalist ideals and went to spend two years in woodland by Walden Pond belonging to Emerson, after which he wrote his magnum opus of the same name.

ANSWER: Henry David Thoreau

[10] Another poet that embodied Emerson's ideal of a Transcendentalist intellectual was this writer, who wrote the poems "A Noiseless Patient Spider" and "Calamus"

ANSWER: Walt Whitman

6. Bryher is the smallest inhabited island of this group which was once a single landmass. For 10 points:

[10] Hugh Town is located on an isthmus in this archipelago's island of St Mary's, also serving as its largest and most populous inhabited centre.

ANSWER: Isles of Scilly

[10] The Scilly isles are part of this county which is home to the most southerly and westerly points in England.

ANSWER: Cornwall

[10] This outcrop was the eastern end of the course for the Blue Riband for the fastest transatlantic crossing, and its lighthouse features on a BBC 1 ident.

ANSWER: Bishop Rock

7. On the 4th of March 1741, 186 British ships arrived off the coast of Colombia, intent on capturing one of the main Spanish ports of the Caribbean basin. For 10 points each:

[10] That was the beginning of the amphibious battle for this city. The British general in this battle, Admiral Vernon gave his name to the estate of George Washington.

ANSWER: Cartagena de Indias

[10] The Battle of Cartagena [Carta-hena] de Indias was part of this war, itself part of the War of Austrian Succession, named for a merchant's body part.

ANSWER: War of Jenkins' Ear (accept Guerra del Asiento)

[10] The battle was disastrous for the British and they were soundly repelled. When news of the defeat arrived in London, this then-Prime Minister resigned.

ANSWER: Robert Walpole

8. Name some anthropomorphic literary cats. For 10 points each:

[10] Bombalurina and Coricopat are among the cats who appear in this collection of poems by T. S. Eliot, the basis for a musical somewhat unsurprisingly named *Cats*.

ANSWER: Old Possum's Book of Practical Cats

[10] One of Eliot's cats is this especially ancient cat who is stated to have "lived many lives in succession".

ANSWER: Old Deuteronomy

[10] Lewis Carroll created this other fictional cat: a mischievous feline whose smile is often all that appears in Carroll's *Alice's Adventure in Wonderland*.

ANSWER: The **Cheshire Cat**

9. ANSWER some questions about Bohemian Rhapsody. For 10 points each:

[10] This band formerly fronted by Freddie Mercury released Bohemian Rhapsody in 1975. This band's Greatest Hits compilation is the bestselling album of all time in the UK.

ANSWER: **Queen**

[10] Bohemian Rhapsody beat this festive song to be the U.K. Christmas No. 1 in 1975. This song's writer and performer Greg Lake likes Bohemian Rhapsody enough that he doesn't really mind, however.

ANSWER: **I Believe in Father Christmas**

[10] This Queen collaborator produced Bohemian Rhapsody as well as five of their albums.

ANSWER: Roy Thomas **Baker**

10. This polity had an enormous merchant navy which it ran out of Ventspils and Lindau to engage in colonialism. For 10 points each:

[10] Name this Duchy which colonized the island of Tobago and St. Andrew's Island on the Gambia River.

ANSWER: Duchy of **Courland** and Semigallia

[10] The Duchy of Courland was a vassal state of this commonwealth formed by the Union of Lublin.

ANSWER: **Poland-Lithuania**

[10] One Duke of Courland was Louis Ernest of Brunswick-Lüneburg who attempted to marry this Russian empress, the last direct Romanov. He lost his Duchy in her palace coup in 1741 and she ruled during the Seven Years' War.

ANSWER: **Elizabeth** of Russia

11. In this novel, two young men are hired on a shipping vessel as a secret test of character to determine who is more worthy to marry a wealthy man's daughter. For 10 points each:

[10] Name this Japanese novel where Shinji, a pearl diver, falls in love with the beautiful and wealthy Hatsue.

ANSWER: The **Sound of Waves** (or **Shiosai**)

[10] Spring Snow, Runaway Horses, The Temple of Dawn and The Decay of the Angel are novels in this tetralogy, where Honda meets successive incarnations of his friend Matsugae.

ANSWER: The **Sea of Fertility** (or **Hōjō no Umi**)

[10] The Sound of Waves and The Sea of Fertility are both by this Japanese author who committed seppuku in 1970.

ANSWER: Yukio **Mishima** (accept Kimitake **Hiraoka**)

12. This surah begins with an ascending tricolon describing the lord of men, king of men and god of men respectively. For 10 points each:

[10] Name this short Mekkan surah, the last chapter of the Qur'an.

ANSWER: Surah **al-Nas**[long a] (accept **Mankind**; prompt on surah 114)

[10] Surah al-Nas mentions "the one who whispers in the hearts of men" and these beings. These beings who title Surah 72 are made of "scorching fire" unlike angels, and despite inhabiting an invisible universe can interact with the human world.

ANSWER: **Djinn** (Accept equivalents like Genie; anti-prompt on Ifrit)

[10] The most famous of the Djinn is Iblis who was punished by Allah because he would not bow down before this figure who is the first man in Islamic tradition.

ANSWER: **Adam**

13. Variants of this technique include KPFM and TUNA. For 10 points each:

[10] Name this scanning probe microscopy technique where a very sharp tip attached to a cantilever is dragged over a surface to image it.

ANSWER: **A**tomic **F**orce **M**icroscopy

[10] In "tapping mode" AFM, the cantilever is acoustically oscillated at its resonant frequency using one of these materials such as lead titanate, which deform in response to an electric charge.

ANSWER: **Piezoelectric** materials

[10] One variant of AFM known as SCM aims to measure the local value of this quantity on a surface. This quantity is measured in farads.

ANSWER: **Capacitance**

14. The protected edge modes in topological superconductors behave as though they are these particles. For 10 points each:

[10] Name these particles with non-integer spin which are also their own antiparticles.

ANSWER: **Majorana Fermions** (prompt on "Fermions")

[10] Majorana fermions obey statistics named for Fermi and this British physicist, whose namesake relativistic wave equation describes spin one-half particles.

ANSWER: Paul **Dirac**

[10] Fermi-Dirac statistics are contrasted with statistics named for this pair of scientists which describe particles with integer spin. This pair of scientists also name a type of condensate that forms at very low temperatures.

ANSWER: Satyendra Nath **Bose** and Albert **Einstein** (accept names in either order, accept **Bose-Einstein condensate**)

15. In his Inferno, he and Virgil travel through several locations of Hell. For 10 points each:

[10] Name this poet who searches for his love Beatrice.

ANSWER: **Dante** Alighieri

[10] The walls of this fictional city enclose Hell's sixth circle, where heretics and atheists were burned in flaming tombs.

ANSWER: **Dis** or **Dite**

[10] As they exit Hell, Dante and Virgil pass by Satan himself, stuck in a frozen pond formed by this river of the Greek underworld.

ANSWER: **Cocytus**

16. During the First World War, Finnish agents riding reindeer attempted to infiltrate Russian stables with this agent. For 10 points:

[10] This agent, which was investigated by Japanese Kwantung Army Unit 731, is bacterial and its spores can survive dormant for decades.

ANSWER: **Anthrax**

[10] This British research facility in Wiltshire covers chemical as well as biological warfare, is where Operation Vegetarian was planned to deliver linseed cakes laden with anthrax to wipe out German cattle and population.

ANSWER: **Porton Down**

[10] This Scottish island was chosen by British researchers to test virulent strains of Anthrax during the Second World War, and remained uninhabitable by mammals until 1990.

ANSWER: **Gruinard** Island.

17. She's wearing a lot of jewellery, including a headdress that makes her look like she's got an electric fan strapped to either side of her head. For 10 points each:

[10] Name this pre-Roman bust named for the modern-day city in Valencia near which it was found.

ANSWER: **Lady of Elche** OR **Dama de Elche** (accept ANSWERs with **Elx**)

[10] The Lady of Elche is from this country, the recent art of which includes that of Salvador Dali and Joan Miro.

ANSWER: **Spain** OR **España**

[10] The Lady of Elche was produced by one of the civilisations known by this collective name. These people lived along the Mediterranean coast of modern-day Spain before the coming of the Romans. They also produced the Lady of Braza.

ANSWER: **Iberians**

18. When a film chooses not to make sense, it is usually regarded as avant-garde. ANSWER three questions on experimental films, for 10 points each:

[10] This artist directed and produced several extremely long experimental films, such as Sleep, which is over five hours of a man sleeping, and Empire, over eight hours of slow motion footage of the Empire State Building.

ANSWER: Andy **Warhol**

[10] Anemic Cinema is a surrealist avant-garde film of animated drawings and puns made by this artist, who signed it with his alter ego name of Rose Sélavy.

ANSWER: Marcel **Duchamp**

[10] This Canadian independent film from 1967 was directed by Michael Snow. Almost nothing happens in this 45 minutes film in which the camera slowly zooms in on a point on a wall above a yellow chair and between two windows while random pairs of tones play.

ANSWER: **Wavelength**

19. Your bonuses are on British Folk revival of the early 20th century. For 10 points each.

[10] This Australian composer wrote the folk song collection *Lincolnshire Posy*, and a famous piano arrangement of the song *Country Gardens*.

ANSWER: Percy **Grainger**

[10] Often considered the father of the British folk revival, this composer was the first president of the English Folk Dance Society, which he founded in 1911.

ANSWER: Cecil **Sharp**

[10] This later president of the Society included folk melodies in his tunes for the *English Hymnal* and in his *Norfolk Rhapsodies*. Classic F.M. listeners will best know this composer for his *The Lark Ascending*.

ANSWER: Ralph **Vaughan Williams**

20. These people invented one of the first medium distance communication systems with two resin-coated gourds connected by a 75m length of twine For 10 points each:

[10] Name these people who had their capital at Chan Chan and who made use of the Spondylus shellfish and produced notably black shiny pottery.

ANSWER: **Chimu**

[10] The Chimu were conquered by Topa Inca Yupanqui, the son of this Sapa Inca who turned Cusco into Tawantinsuyu, the Incan Empire.

ANSWER: **Pachacuti** Inca Yupanaqui (accept **Pachacutec** or **Pachaqu tik** Inca Yupanki)

[10] Most archaeologists believe that this Inca site on the Andes was built as an estate for Pachacuti.

ANSWER: **Machu Picchu**