

MKULTRA 2015: Gohyakunijyuu no Omoide

The Milton Keynes Ultimate Liaison of Trash and Academia

Edited by Emma Laslett, George Corfield, Edmund Dickinson, David Knapp and Ewan MacAulay

Round 7 - Packet by Milhous Warriors and Ostentatious Hydromancy

Tossups

1. **In general, formulations of this product which contain norethindrone acetate and norethindrone are designated “first generation”. By decreasing the pulse frequency of GnRH release from the hypothalamus, this product suppresses the release of (*) lutenizing hormone, among other gonadotropins. This product inhibits follicular development and prevents shedding of the endometrium. This product was initially marketed as a regulator of the menstrual cycle under the trade name Enovid, and listed its intended use as a “serious side effect”. For 10 points, name this brainchild of Margaret Sanger, one of the most effective forms of contraception.**

ANSWER: The contraceptive **pill**

2. **As a youth player, this man hit Mike Brearley in the face with a delivery after being invited to bowl at an England team net. This man’s Test debut for England came in the final match of 5-0 series defeat to the West Indies, where he took the wickets of Gordon Greenidge and Viv Richards in the second innings. David Gower concluded his time as England captain was over when he failed to convince the selectors to choose this man over Alan Igglesden for the final test of the 1989 Ashes. This man sent (*) Brian Johnston in uncontrolled fits of laughter after remarking on Ian Botham hitting his wicket with “He just didn’t quite get his leg over”. For ten points, name this former Leicestershire and England bowler and current TMS commentator.**

ANSWER: Jonathan (Philip) **Agnew**

3. **This man revised Mendelssohn’s string octet by adding a double bassist to mirror the 2nd cellist but an octave lower. This conductor stopped short a premiere of a certain opera proclaiming “Here the opera ends because at this point the maestro died”. In addition to premiering (*) *Turandot*, this conductor oversaw the first performance of Barber’s *Adagio for Strings*. This conductor popularised Ravel’s *Boléro* in the USA by playing it at a faster tempo than the composer originally intended. For ten points name this Italian former conductor of the New York Met, the New York Philharmonic, La Scala and the first to take the helm for the NBC symphony orchestra.**

ANSWER: Arturo **Toscanini**

4. **As a 17-year-old, this man served under Josef Radetzky at the Battle of Santa Lucia. This man oversaw the Ausgleich of 1867, which awarded greater autonomy to one part of his empire. The Mayerling Incident in 1889 saw the suicide of this man’s son and, in 1898, this man’s wife was assassinated by an Italian anarchist in Geneva. This man’s reign saw the provinces of Venetia and Lombardy ceded to Italy. In 1908, this man announced the annexation of (*) Bosnia and Herzegovina and he declared war on Serbia after Gavrilo Princip assassinated his nephew Archduke Franz Ferdinand. For ten points, name this King of Hungary and Emperor of Austria at the outbreak of the First World War.**

ANSWER: **Franz Josef** I (accept **Francis Joseph** I or I **Ferenc Jozsef**)

5. **In the Book of Kings, Prince Zal is raised by a copper-coloured, dog-headed example of this kind of animal. In Japanese mythology, the *yatagarasu*, which guided Emperor Jimmu, is one of these animals, while in Chinese mythology one of these animals is traditionally paired with the dragon. In the fifth voyage of (*) Sinbad the Sailor, Sinbad’s ship is destroyed by a pair of this kind of animal. In Egyptian mythology, the hearts of the dead are weighed against a body part from one of these animals, and in Norse mythology a pair of these animals accompany Odin. For 10 points, name this class of animal, exemplified in mythology by the Simurgh, the fenghuang, and the giant roc.**

ANSWER: **birds** (accept **raven**, **crow**, and **ibis**; accept **Simurgh**, **fenghuang**, and **roc** before they are mentioned)

6. **This character’s face is “stuck over with large blackish looking squares”. These transpire to be tattoos which were drawn all over his body by a dying prophet as “a complete theory of the heavens and the earth”.**

This character is a native of a “an island far away to the West and South” called (*) Rokovoko. His “favorite fishing food” is clam chowder, but he is more famous for having consumed humans. He builds his own coffin after his death is predicted by casting the runes. He works principally with the first mate Starbuck when hunting whales aboard the Pequod. For ten points, name this cannibalistic, Polynesian harpooneer, the first major character encountered by Ishmael in *Moby Dick*.

ANSWER: Queequeg

7. This man wrote “it is not worth it to sacrifice the interest of the country for the sake of my son” of his refusal to exchange his hostage son for a leader of his opposition. Following the 228 Incident, this man’s government suppressed dissidents in a 38-year-long period of martial law known as the (*) White Terror. This man was appointed as Commandant of the Whampoa military academy in 1924. This man is sometimes named alongside the Big Three Allied leaders in World War II but in 1949 he was forced to flee to Taiwan by Communist forces. For 10 points, name this man who was President of the Republic of China until his death in 1975.

ANSWER: Chiang Kai-shek (or Chiang Chung-cheng; or Chiang Chieh-shih)

8. Oskar J. W. Hansen’s bronze sculptures Winged Figures of the Republic can be found adjacent to this structure. The construction of this structure was authorised by the Swing-Johnson Act and the Mike O’Callaghan-Pat Tillman Memorial Bridge is located just southwest of this structure. This structure is situated within (*) Black Canyon and Boulder City was founded to house the workers building this structure. Until 2010, U.S. Route 93 ran across the top of this structure and this structure impounds Lake Mead. Holding back the Colorado River, for ten point, this is what dam named for the 31st President of the United States?

ANSWER: Hoover Dam (accept Boulder Dam before “Boulder City”)

9. One building in this complex was originally divided into 'summer' and 'winter' halves by a revolving steel and timber wall, and was designed by Berthold Lubetkin. That building is a grade-I listed example of early British modernism. The designer of Marble Arch was this complex's first official architect. A grade-I listed structure has lain vacant in this complex since 2004 when it was discovered its distinctive intertwining concrete ramps were unsuitable for its (*) inhabitants' feet and they were permanently moved to a pond. For ten points, ten listed buildings including the Round House, Snowdon Aviary, Penguin Pool and Giraffe House can be found in this conservation centre and popular tourist attraction located in Regent's Park.

ANSWER: London Zoo

10. One product marketed by this company in the 1960s claimed to measure how much two people loved each other; the Love Tester’s inventor went on to design one of this company’s flagship products. One major project developed by this company was given the codename Dolphin, but on release it lagged behind major competitors. This company’s early foray into 3D technology with the (*) Virtual Boy system proved unsuccessful. This company’s “Direct” announcement videos are presented by its CEO, Satoru Iwata, and its first home console has been credited with revitalising the video game industry. Shigeru Miyamoto has created multiple franchises for this company, including The Legend of Zelda and Mario. For 10 points, name this Japanese video game company which produced the GameBoy, the NES, and the GameCube.

ANSWER: Nintendo

11. One Pope with this name was the first known to have visited Constantinople while in office. Another with this name was the only Portuguese Pope, whilst the second Pope of this name was the first to adopt a new name upon elevation to the papacy. In 1316, one Pope of this name became the second Avignon Pope, succeeding Clement V, while in 1410, one Pope by this name declared the Medici family official bankers to the papacy. There is 543 years between the reigns of the last two Popes to take this name, although they (*) share the same regnal number because the earlier one was declared an antipope. FTP, give the papal name shared by all these Popes, of whom there have two 8ths, two 23rds, and no 20th, due to an 11th-century numbering error.

ANSWER: John [accept Ioannes]

12. **Strong pi-acceptors can stabilize electron-rich 5-coordinate transition states, placing them high in a series known by this term which describes a ligand's effect to accelerate the rates of ligand substitution in square planar complexes. Vicinal NMR coupling constants for substituents described by this term are typically of the order of 15 Hz. A cobalt complex containing two ethylene diamine ligands and two ammonia ligands is (*) achiral if its geometry is described by this term. Vesicles exit these faces of the cisternal stacks of the Golgi apparatus. This term corresponds to "E" in a system for designating geometrical isomerism. Unlike those containing oleic acid, triglycerides containing elaidic acid can be described as this type of fats. For 10 points, give this term contrasted with "cis".**

ANSWER: Trans

13. **In the first scene of a play in this language, a CEO gives a woman three minutes to consider his marriage proposal. A secret policeman is eaten by his own dogs in a novel in this language, which also sees an army chaplain lose his batman to a Senior Lieutenant in a game of cards. Ludvik writes "Optimism is the opium of the people!" on a postcard in (*) *The Joke*, a novel in this language. An infantryman is arrested by his own troops for trying on a Russian soldier's uniform in one work in this language. A play in this language Alquist realise that Primus and Helena are the new Adam and Eve. *R.U.R* and *The Good Soldier Švejk* were written in, for 10 points, which language of Jaroslav Hašek, Karel Čapek, and Milan Kundera?**

ANSWER: Czech (accept čeština, český jazyk)

14. **This character, whose name means 'Star-dome', founded a refuge on the Edge of the Wild. In his youth, his mother was turned into a seagull in order to escape from Maedhros and Maglor, who captured him and his brother. His father, whose embassy led to the War of Wrath, is the greatest mariner of legend and bears a (*) Silmaril. This character was Gil-Galad's herald in the War of the Last Alliance and advised Isildur to cast the Ring into the Fire after his defeat of Sauron. For ten points, name this half-elven character, father of Arwen, who lives at Rivendell and helps both Bilbo and Frodo Baggins on their respective quests.**

ANSWER: Elrond Half-Elven

15. **The $n+1$ th [N-plus-oneth] member of a series of numbers named for a scientist with this surname appears over n plus one in a formula for calculating the Riemann Zeta function of minus n . The probability distribution of a random variable with success probability p and failure probability one minus p is named for a scientist with this surname. The binomial distribution can be considered as a number of that scientist's (*) "trials". The best-known result named for a man with this surname can be derived from considering the conservation of energy along a streamline, and states that that increased fluid velocity results in a decrease in fluid pressure, and has been used to explain why airplanes stay up. Jacob and Daniel belonged to, for 10 points, which family of Swiss mathematicians?**

ANSWER: Bernoulli

16. **This man claimed that modern science combined the "everything changes" approach of Heraclitus with the "nothing changes" theories of the title philosopher in "The World of Parmenides". This man integrated the concepts of truth and content to frame the concept of "verisimilitude" in his work (*) *Conjectures and Refutations*. He criticised Plato and Marx in his best-known work, which claims that "tolerance of intolerance" is unacceptable. That work rejects totalitarianism in favour of liberal democracy. This man sidestepped the problem of induction by suggesting that the hallmark of a scientific theory was falsifiability. For 10 points, name this author of *The Logic of Scientific Discoveries* and *The Open Society and its Enemies*.**

ANSWER: Karl Raimund Popper

17. **The destruction of the fortress at Taillebourg was one of this man's first military successes. A shower of bloody rain did not dissuade this man from constructing the fortress of Chateau Gaillard and massacres of Jews were committed in London and York after this man's coronation. This man was alleged to have plotted to murder (*) Conrad of Montferrat, resulting in him being imprisoned by Leopold V, Duke of Vienna. This man sold the island of Cyprus to the Knights Templar and the Battle of Arsuf saw this man defeat Saladin. For ten points, name this English monarch who, following the departure of Philip II of France, led the Third Crusade.**

ANSWER: **Richard I** (accept **Richard** the **Lionheart** or **Richard Couer de Lion**, prompt on 'Richard')

18. Born during World War I in a British internment camp for aliens in India, he was for a short time a member of the Hitler Youth before his family left their native Germany in 1937 and moved to London. After World War Two he managed a tobacco farm in the then Southern Rhodesia before becoming chief executive of the firm with which he is most associated in 1962. In later life he became chairman of (*) The Observer newspaper but failed in an attempt to acquire Harrods department store. In 1996 Nelson Mandela awarded him the Order of Good Hope, the highest South African honour. For ten points, who was this businessman whose company Lonrho, Edward Heath, criticised as "the unpleasant and unacceptable face of capitalism?"

ANSWER: Tiny **Rowland**

19. In one chapter of this work, the narrator admonishes the reader for not inferring from the previous chapter that his mother was not Catholic, and in another for doubting that he and Jenny could be just friends despite being of different sexes. The death of one character in this work, Parson Yorick, is marked by an entirely (*) black page. The narrator of this work, who was given the wrong name at his christening by mistake, has his nose broken by Dr Slop's forceps while being delivered; although he begins the novel with his conception this incident is not reached until volume III. For ten points, name this 18th century comic novel, notorious for its many digressions, written by Lawrence Sterne.

ANSWER: *The Life and Opinions of **Tristram Shandy**, Gentleman*

20. A semitransparent figure through which windows presenting a blurred landscape can be seen is shown in one of this artist's early works, a study of a Sad Young Man on a Train. One work by this man is thought to have contained about two and half times as much air as its title suggested. That work is (*) 50 cc of Paris Air. One of his works, which drew inspiration from Edward Muybridge's picture series *The Human Figure in Motion*, uses a series of cones and cylinders to represent body parts. Another of his works shows the Mona Lisa with a moustache For 10 points, name this creator of *L.H.O.O.Q* who painted *Nude Descending a Staircase, No. 2* and placed a urinal on its side in *Fountain*.

ANSWER: Marcel **Duchamp**

Bonuses

1. Normal rivers can be quite odd [citation required], but mythological rivers can be even more so. The Greeks were particularly fond of them. For 10 points each, see if you can navigate the treacherous shallows of these questions.

[10] This river marks the border of Hades, and was the one in which Achilles was dipped to make him almost invulnerable.

Answer: Styx

[10] This infernal river runs parallel to the Styx, and is variously described as composed of fire or boiling blood.

Answer: Phlegethon [accept Pyriphlegethon]

[10] This river of the Underworld induced complete forgetfulness in all who drank from it; a requirement of reincarnation in some Greek traditions.

Answer: Lethe

2. This type of rock is distinguished from mudrock by its characteristic fissility. For 10 points each:

[10] Name this fine-grained sedimentary rock formed from the compaction of clays or volcanic ash. It breaks easily along the bedding plane, and can be very fossil-rich.

ANSWER: shale

[10] Under low-grade regional metamorphism, shale can turn into this kind of rock. The bedding plane of this kind of rock is perpendicular to the direction of metamorphic compression, and it is a common building material.

ANSWER: slate

[10] Under certain conditions, high-grade metamorphism can turn shale into this kind of rock. This kind of rock is characterised by alternating bands of light and dark, and can also form from the metamorphosis of igneous rocks.

ANSWER: gneiss

3. For 10 points each, answer these questions on organometallic chemistry.

[10] Organometallic compounds are often useful in catalysis. For instance, this masked titanocene which can be prepared from the Petasis reagent is highly effective at converting carbonyls to alkenes.

ANSWER: Tebbe's Reagent

[10] Geoffrey Wilkinson and Robert Woodward were the first to determine the correct structure for ferrocene, which consists of two cyclopentadienyl rings "sandwiching" an atom of this element.

ANSWER: Iron (accept Fe)

[10] These organomagnesium halide reagents are used to form carbon-carbon bonds. They are named for their discoverer who won the 1912 Nobel Prize in Chemistry.

ANSWER: Grignard reagents

4. Not every scripted reality show can be super-successful like *The Only Way Is Essex*. For ten points each, answer these questions on examples with varying degrees of success.

[10] The BAFTA award winning (yes, BAFTA award-winning) show follows some extremely posh and well-off young people in the Belgravia and King's Road area such as Binky Felstead and Spencer Matthews.

ANSWER: Made in Chelsea (accept MiC)

[10] Holly Hagan and Charlotte Crosby have appeared in every series of this MTV show, set around Tyneside and the North East.

ANSWER: Geordie Shore

[10] This E4 show only lasted one series due to a perceived lack of interest in the cast by the audience. Cast members of this Liverpool-based show included a Kate Middleton lookalike and Abbey Clancy's brother.

ANSWER: Desperate Scousewives

5. Answer some questions on contemporary installation art, for 10 points each.

[10] A member of the Fluxus movement, this man produced installations featuring large metal girders. In his piece *I Like America and America Likes Me* he shared a cage with a coyote.

ANSWER: Joseph **Beuys**

[10] This space in the Tate Modern, which at times has been filled with ceramic sunflower seeds by Ai Weiwei, is a popular location for installation art.

ANSWER: **Turbine Hall**

[10] Perhaps the most famous recent occupant of the turbine hall is this work by Olafur Eliasson in which visitors were invited to lie on the floor and gaze up at an artificial sun.

ANSWER: The **Weather Project**

6. Nuclear weapons testing took place on the atolls of Fangataufa and Moruroa in this collectivity. For 10 points each:

[10] Name this overseas collectivity in the Pacific whose archipelagos include the Marquesas Islands and the Society Islands.

ANSWER: **French Polynesia** or **Polynesie française** or **Porinetia Farani**

[10] The capital of French Polynesia, Papeete, is located on this island, where Paul Gauguin resided for a time.

ANSWER: **Tahiti** (accept **Otaheite**)

[10] This island of French Polynesia, used as a military supply base by the US during World War II, is now major tourist destination partly thanks to its numerous bungalows built on stilts over the central lagoon.

ANSWER: **Bora Bora**

7. For ten points each, answer these questions about decolonisation.

[10] This man's "Wind of Change" speech, delivered most famously before the Parliament of South Africa, is emblematic of British decolonisation of Africa under his government.

ANSWER: Harold **Macmillan**

[10] In an effort to avoid a transition to majority rule, this man's government unilaterally declared the independence of the colony of Rhodesia from the UK in 1965.

ANSWER: Ian **Smith**

[10] Ian Smith's regime attempted to suppress archaeological evidence that this stone structure had been built by indigenous Shona peoples in the early to mid second millennium, instead suggesting it had ancient Middle Eastern origin.

ANSWER: The **Great Zimbabwe**

8. In one of the Five Great Epics written in this language, *Silappadikaram*, Kannagi tears off her own breast and curses the city of Madurai, causing it to burn to the ground. For 10 points each :

[10] Name this language commonly spoken in southern India and northern Sri Lanka.

ANSWER: **Tamil**

[10] Perhaps the most famous Tamil author is this man, who introduced the fictional town of Malgudi in his novel *Swami and Friends*.

ANSWER: Rasipuram Krishnaswami Iyer **Narayan**

[10] In this novel by Narayan, "Railway" Raju is eventually proclaimed a holy man, having previously worked as a stage manager for a dancer named Rosie.

ANSWER: **The Guide**

9. Answer these questions on composers of the Renaissance. For 10 points each:

[10] This Franco-Flemish composer of the Burgundian School composed motets including *Nuper rosarum flores* which was sung at the 1436 consecration of Florence Cathedral. He was a member of the papal choir under Martin V and Eugene IV.

ANSWER: Guillaume **Dufay**

[10] This other Franco-Flemish composer and student of Johannes Ockeghem wrote works including the *Missa Pange lingua* which makes use of the paraphrase technique, the *Missa Hercules Dux Ferrariae* and the chanson *Mille Regretz*.

ANSWER: **Josquin** des Prez

[10] This Italian composer wrote the *Missa Papae Marcelli*, which was believed to have been used to persuade the Council of Trent not to ban polyphonic church music, although recent scholarship suggests this tale may be apocryphal.

ANSWER: Giovanni Pierluigi da **Palestrina**

10. An August 2015 study revealed that, as well as being Sensing rather than Intuitive, all 11 Underground lines in London have Twitter feeds sharing this Myers-Briggs personality trait. For 10 points each:

[10] Name this personality trait associated with gregarious people who prefer to act and process information in company with others, rather than alone.

ANSWER: **extraversion** (or **extravert**; accept word forms)

[10] Myers and Briggs borrowed the introvert-extravert dichotomy from the theories of this developer of analytical psychology.

ANSWER: Carl (Gustav) **Jung**

[10] Jung introduced both the introvert-extravert and sensing-intuition dichotomies in this work, which associated Freudian analysis with extraversion, and Adlerian analysis with introversion.

ANSWER: **Psychological Types** (or **Psychologische Typen**)

11. Three bonuses on boxers born in New York for ten points each.

[10] From Manhattan, this Jewish boxer became lightweight champion of the world after beating Freddie Welsh in 1917.

ANSWER: Benny **Leonard**

[10] From the Bronx, this middleweight was the first boxer to beat Sugar Ray Robinson, in the second of their six bout series which culminated in 1951's St Valentine's Day Massacre.

ANSWER: Jake **LaMotta**

[10] From Brooklyn, this heavyweight won the WBC title for the first time by beating Trevor Berbick by TKO in 1986. His final fight was a loss to Kevin McBride in 2005. He may be more noted for biting off a part of Evander Holyfield's ear.

ANSWER: Mike **Tyson**

12. For ten points each, answer some questions on pre-European South Asian history.

[10] This ruler, sometimes termed the Indian Alexander, deprived the Seleucid Empire of some of its eastern satrapies, married a daughter of Seleucus I, and came close to uniting the whole subcontinent.

ANSWER: **Chandragupta** Maurya

[10] This grandson of Chandragupta, regarded as an exemplary ruler, further extended the Maurya Empire, leaving only the far south outside his control. He later converted to Buddhism after a destructive war against Kalinga, earning the censure of modern proponents of an exclusively-Hindu Indian history.

ANSWER: **Ashoka** the Great

[10] The last Maurya Emperor was assassinated in 185 BC, only 50 years after Ashoka's death, leading to the replacement of the Maurya by this dynasty, who ruled a much-reduced, fragmented realm.

ANSWER: The **Sunga**

13. For 10 points each, answer some questions about microscopy:

[10] In this type of microscopy, the namesake negatively-charged particles undergo back-scattering to generate a 3-dimensional picture of the subject. It is contrasted with STM.

ANSWER: **Scanning Electron** Microscopy (accept **SEM**)

[10] This technique drags an oscillating cantilever across the surface of the subject, and measures its deflections using a reflected laser beam.

ANSWER: **Atomic Force** Microscopy

[10] One challenge in conventional optical microscopy is overcoming this limit named for a French scientist, which describes the difficulty of observing structures with sizes smaller than the wavelength used for observation.

ANSWER: **Abbé** Limit

14. Maxim Maximytch tells stories of this “Superfluous Man” to his junior companion as they travel through Ossetia. For 10 points each:

[10] Name this Byronic hero who duels Grushnitsky on the edge of a cliff and flirts with Princess Mary.

ANSWER: Grigory Alexandrovich **Pechorin**

[10] Pechorin appears in this work by Mikhail Lermontov.

ANSWER: **A Hero of our Time** (accept **Geroy Nashevo Vremeni**)

[10] Natasha Romanova attempts to flatter this non-Russian character by comparing this character to Pechorin, though this character may be more famous for electrocuting Oddjob in *Goldfinger*.

ANSWER: James **Bond**

15. US presidential election season is getting into swing again! Let’s celebrate by looking back at some of the key moments from the 2012 campaign. For 10 points each:

[10] In a November 2011 Republican primary debate, Rick Perry torpedoed his campaign by failing to recall this government department, which he had pledged to abolish.

ANSWER: Department of **Energy**

[10] In early 2012, Mitt Romney resorted to the unusual tactic of complimenting the height of these things in Michigan.

ANSWER: **trees**

[10] Romney’s campaign was full of slightly surreal gaffes. In the second presidential debate, he defended his record as Governor of Massachusetts by referring to binders full of these people.

ANSWER: **women**

16. Answer some questions about rock stars who had some high profile run ins with the law. For ten points each:

[10] In 1967 at a concert in New Haven who became the first rock singer ever to get arrested on stage after insulting the local police. In Miami in 1970 he was convicted of indecent exposure and profanity.

ANSWER: Jim **Morrison**

[10] Who caused a riot at a show in St Louis in 1991 after he jumped into the crowd to take a video camera from a fan in the audience and then announcing that the concert was finished?

ANSWER: Axl **Rose** [or William Bruce **Rose** Jr.]

[10] Which lead singer with the Plasmatics was arrested twice in 1981 for simulating sex on stage, the first time in Milwaukee and later in Cleveland, where she also took to the stage wearing only shaving cream?

ANSWER: Wendy O **Williams**

17. That...would be an ecumenical matter. For 10 points each:

[10] This Turkish city played host to two Ecumenical Councils, the first in 325 which settled the issue of the nature of the Son of God and his relationship to God the Father, and the second in 797 which repudiated iconoclasm.

answer: **Nicaea**

[10] This Council, held between 1545 and 1563, has been described as the embodiment of the Counter-Reformation, as it set out to condemn the principles and doctrines of Protestantism.

answer: Council of **Trent**

[10] Papal infallibility was dogmatically defined in the First Vatican Council of 1869–1870, during the pontificate of this man.

answer: **Pius IX** [prompt on ‘Pius’]

18. FTPE, answer the following on economic warfare during the Eighty Years’ War.

[10] From 1585, this nation blockaded the Scheldt river to damage trade links to Spanish-held Antwerp. This nation had successfully thrown off Spanish rule under William the Silent.

ANSWER: Republic of the Seven United **Netherlands** (or the **Dutch Republic** or the **United Provinces**; accept Republiek der Zeven Verenigde **Nederlanden** or **Verenigde Provinciën**; prompt on “Holland”)

[10] The Spanish counter-attacked by banning Dutch ships from Iberian ports and so placing an embargo on this commodity needed by the fishing industry. The Dutch responded by importing from Punta de Araya in Venezuela.

ANSWER: **salt**

[10] To resist the embargo, the Dutch encouraged privateers to target Spanish ships. This company was also established to monopolise certain trade routes, setting up a base at Batavia near Jakarta in 1619.

ANSWER: **Dutch East India** Company (or **Vereenigde Oostindische Compagnie**; accept **VOC**)

19. For 10 points each, name some species which have been referred to as “living fossils”:

[10] These fish were thought to have become extinct just after the Cretaceous period until a specimen was found off the coast of South Africa in 1938.

ANSWER: **Coelecanths**

[10] These reptiles are endemic to New Zealand. They can be extremely long-lived, and they have a third eye on the top of their heads which is thought to control their circadian rhythms.

ANSWER: **Tuatara**s

[10] These marine arthropods basically haven't changed much in the past 450 million years. They are the only recent members of the order Xiphosura.

ANSWER: **Horseshoe Crabs** [prompt on 'crab']

20. For 10 points each, answer some questions about title drops in literature:

[10] The title drop in this work occurs when John the Savage quotes from *The Tempest*. In this work, humans are cloned via the Bokanovsky process.

ANSWER: **Brave New World**

[10] Perhaps the most famous title drop occurs when this character tells his children Jem and Scout that it is a sin “To kill a Mockingbird”.

ANSWER: **Atticus Finch**

[10] In this Hilary Mantel novel, the title drop occurs when two guards offer to take Camille to the title location

ANSWER: **A Place of Greater Safety**