

MKULTRA 3: Asking the Super-Important Questions

Written and Edited by Evan Lynch, Emma Laslett, Edmund Dickinson, David Knapp, Daoud Jackson, Pietro Aronica, Francis Clark-Murray, Tom Hill, Ben Salter, Alex Bubb, James Leahy, Chris Stern, Oliver Clarke
Finals 1

Tossups

1. **The extent of a disease which most commonly manifests in this organ can be measured using the Scadding scale. Neutrophil elastase can damage this organ if alpha-1-anti-trypsin is deficient. Exposure to beryllium causes granulomas to form in this organ, and sarcoidosis most commonly manifests in this organ. This organ is surrounded by a membrane named the (*) pleura, and the function of this organ is measured using a spirometer. This organ contains sacs called alveoli which are damaged by emphysema. For 10 points, name this organ you use to exchange carbon dioxide for oxygen.**
ANSWER: lungs <EWL, Biology>

2. **In one film, Eddie Murphy's character is forced to "thrash" a character played by this actor who tries to rob a McDowell's fast food joint. In another film, this actor's character is executed by the mob for not ditching a truck used in the Lufthansa heist. This actor voiced a character who asks his wife where his (*) super suit is, and in a live-action role threatened to "shove a lightning bolt up your ass" as Zeus Carver. This actor portrayed a character eaten mid-speech by a shark in *Deep Blue Sea* and broke the rules of *Star Wars* by asking to appear with a purple lightsaber. For 10 points, which actor has had it with these motherfucking snakes on this motherfucking plane?**
ANSWER: Samuel L(eroy) Jackson <PA, Miscellaneous>

3. **Dora Carrington painted the tiny white-clad figures of a woman and child surrounded by green in a painting of one of these places at *Watendlath*. The activity of one of these places is depicted around the central action of *Achelous and Hercules* by Thomas Hart Benton. One of these places titles a painting whose central tree is rooted in a black circle and in which a building on the right is presented in (*) cross-section bounded by a red box. The Olson family owned one of these places depicted in Andrew Wyeth's *Christina's World*. A young Joan Miró painted a Spanish example of, for 10 points, what places whose denizens might include the giant yellow cow of a Marc Chagall work?**
ANSWER: farms [accept Farm at Watendlath or The Farm or The Farmyard] <ED, Visual Fine Arts>

4. **In a book named for these people, a teacher who refuses to even eat a substitute and claim it is pork, Eleazar, is killed. This group began when Mattathias and his five sons fled into the wilderness, and they would later overthrow the rule of Antiochus IV Epiphanes and found the (*) Hasmonean dynasty. One book of this name details the eight day rededication of the Temple from the 25th of Kislev, where a small amount of holy oil burnt for eight days. The festival of Hanukkah celebrates the rededication of the Temple by a leader of this group, Judah. For 10 points name these rebels who share their name with two deuterocanonical books of the Bible and an English indie band.**
ANSWER: Maccabees [or Maqabim; or Machabees; accept Hasmonean dynasty before mentioned]

5. **This scientist included two hyperbolic cotangent terms in an equation used to model paramagnetism, which can be simplified into the Langevin function. It's not Raman, but polarons, phonons and magnons cause Stokes and anti-Stokes processes to occur to an electromagnetic wave in this scientist's namesake form of scattering. This scientist is the alphabetically-first namesake of a method that expands the (*) wavefunction in the semi-classical limit to approximate a solution to the Schrodinger equation. A construct named for this scientist is the locus of points closer to the centre of the reciprocal lattice than to any other point. For 10 points, name this French scientist who names a primitive cell in reciprocal space, his namesake "zone".**

ANSWER: Léon Brillouin <EWL, Physics>

6. **Brian Friel's play *Translations* is based on work conducted by the Royal Engineers for this organisation in 19th century Ireland. Despite having lost his left hand, Thomas Colby spent 26 years as head of this organisation, which developed photozincography to improve the accuracy of its publications. Ramsden's (*) theodolite aided the first measurements made by this organisation, which grew out of work to help the army locate Jacobites. This organisation produces the orange "Explorer" and pink "Landranger" series at scales of 1:25 000 ["one to twenty-five thousand"] and 1:50 000 ["one to fifty thousand"] respectively. For 10 points, name this principal mapping agency of Great Britain.**

ANSWER: Ordnance Survey [or OS] <DK, Miscellaneous>

7. **This poet wrote "The air maintains its watch / watching, watching" in a poem which begins "The moon came to her forge / wearing her bustle of bulbs". This author described how "A thousand crystal tambourines / wounded the dawning day" in "Dreamwalker Ballad", which begins (*) "Green, how I want you green!" This poet repeated the refrain "at five in the afternoon" in a "Lament for Ignacio Sánchez Mejías". In a play by this author, Juan is strangled by his wife, the title infertile woman, after which she screams "I have killed my son!" For 10 points, name this author of *Gypsy Ballads*, who also wrote the plays *Yerma* and *Blood Wedding*.**

ANSWER: Federico Garcia Lorca <EWL, Literature>

8. **A hidden track on this album prominently features a crying baby. As well as "Deep Freeze", this album contained a track that was released as part of a set of four 12 inch records to prevent it from being eligible for the UK Singles Chart. Songwriting credits for Keith Richards and Mick Jagger were added to this album's opening track as it samples an orchestral version of The Rolling Stones' (*) "The Last Time". A single from this album opens with the lines "All this talk of getting old / It's getting me down my love". The video for one song from this album sees people walking on a busy pavement being barged by Richard Ashcroft. "Sonnet", "The Drugs Don't Work" and "Bittersweet Symphony" appear on, for 10 points, which 1997 album by The Verve?**

ANSWER: Urban Hymns <DK, Trash>

9. **A quotation from one of these works forms the four-note theme in the final movement of Mozart's *Jupiter Symphony*. Pairs of mensuration canons at increasing intervals form the basis of one of these works by Johannes Ockeghem. Joseph Haydn composed 14 of these works, including one whose nickname derives from its use of (*) timpani in the final movement. Quotations from the Mahabharata appears in the "Torches" movement of one of these works by Karl Jenkins. That work, like two works of this type by Josquin des Prez, is based on the Renaissance song *L'homme armé*. The more famous of two pieces Beethoven wrote in this genre is titled *Solemnis*. For 10 points, name these sacred choral works, one of which J. S. Bach wrote in B minor.**

ANSWER: Mass [or missa; accept Missa L'homme armé; do NOT accept or prompt on "requiem mass" or "requiem"] <BS, Auditory Fine Arts>

10. **An early skirmish during this conflict saw the Irish-born General Dillon murdered by his own troops for being a "traitor and aristocrat". The positioning of one side's skilled artillery on a prominent ridge during one battle in this conflict secured a decisive victory, though with low casualties on both sides. One campaign during this war was initially halted at Neerwinden, but a victory at (*) Fleurus led to establishment of the "sister" Batavian Republic. A young Napoleon distinguished himself in this conflict by crushing the 13th Vendemiaire revolt, and would later sign this war's end at Campo Formio. For ten points, name this first war where a namesake alliance tried to stop Revolutionary France.**

ANSWER: War of the First Coalition <PA/OC, History>

11. After asking why knowledge is more prized than true opinion, this character is told that knowledge remains in the mind for longer by means of an analogy about statues made by Daedalus. This character suggests that bees do not differ from each other in being bees, and later asks how something that is unknown can be searched for. After his suggestion that learning may be simply recollection, a (*) slave belonging to this character is taken through a geometric method of doubling the area of a square. For ten points, name this Thessalian politician, who asks Socrates whether virtue can be taught in a namesake Platonic dialogue.

ANSWER: Meno <FCM, Philosophy>

12. One temple in this city was understood by Greeks to be dedicated to Jupiter Belus. Berossus wrote a history of this city and a list of its kings, starting with Aloros. Sennacherib claimed to have destroyed this city and thrown it into the Arakhtu. Cyrus the Great reportedly diverted a river that flowed through this city so that his army could conquer it. This city's patron deity was worshipped in the (*) Esagila. Alexander the Great died in this city. One king of this city wrote a code based on the principle of "an eye for an eye", while another king deported the Jews to this city. For ten points, name this city home to the Ishtar Gate and the Hanging Gardens.

ANSWER: Babylon <PA, History>

13. Oyster farming is undertaken at Willapa Bay in this state. Approximately three-quarters of all the hops grown in the US are from the Yakima Valley in this state. Deception Pass is an extremely narrow strait separating this state's Fidalgo and Whidbey Islands. The Franklin D. Roosevelt Lake was created by the construction of the (*) Grand Coulee Dam in this state and the Olympic Mountains can be found on their namesake peninsula in this state. The active stratovolcano of Mount Rainier is situated in this state, which is heavily indented by Puget Sound. For 10 points, name this most northwesterly of the contiguous United States, home to the city of Seattle.

ANSWER: Washington <DK, Geography>

14. Following one installation, this man had the words "You. Now. Wow." tattooed on his arm. Items used in one installation by this artist included pliers, a ukulele, and a copy of Daniel Clowes' *The Death-Ray*. This artist joined an eponymous collective with Nastja Rönkkö and Luke Turner in 2014. One installation by this man had to relocate from New York's Museum of the Moving Image, and has been described as "the first great art of the (*) Trump era". Many of this artist's works are titled with hashtags, such as #TAKEMEANYWHERE, #IAMSORRY, and #ALLMYMOVIES, and his most recent installation is *HEWILLNOTDIVIDE.US*. For 10 points, name this performance artist and actor who came to the 2014 Berlin Film Festival wearing a paper bag reading "I AM NOT FAMOUS ANYMORE".

ANSWER: Shia LaBeouf [prompt on "LaBeouf, Rönkkö & Turner" before mentioned, asking "Which one?"] <EBL, Trash>

15. This man was chosen as successor to his father after his brother Urco fled battle against the Chancas. The Chimu, the Colla and the Aymara were conquered by this man. This man authored the Sacred Hymns of the Situa in his native language, Quechua. According to legend, this man awakened stone soldiers during the Battle of Yawarpampa, which earned him the nickname of (*) Earthshaker. This man ruled his kingdom through four provincial governments, collectively termed the Tawantinsuyu. This ruler and his son Tupac Yupanqui expanded the Kingdom of Cuzco into a hegemonic empire. For 10 points, name this 9th Inca, thought to have built Machu Picchu.

ANSWER: Pachacuti [or Pachacutec; or Pachakutiq Inca Yupanaqui] <PA, History>

16. One character in this novel claims "If Jean Valjean had had me representing him, then *Les Misérables* would've only been six pages long". One character in this novel attaches doorbell wires to his testes to surprise trick-or-treaters on Halloween. In this novel, one character rewrites

Huckleberry Finn to be “politically respectful”, and another asks to give his seat up to a white girl on Marpessa’s bus. A group of intellectuals in this novel meet at the Dum Dum Donut Shop. The masochistic (*) Hominy Jenkins serves the narrator in this novel, which begins with him being tried before the Supreme Court on charges of reinstating slavery in the town of Dickens, California. For 10 points, name this novel which made its author the first US writer to win the Booker Prize, by Paul Beatty.
ANSWER: The Sellout <EWL, Literature>

17. A form similar to that of this figure was the third form taken by Achelous in courting Deianeira, and this figure was killed by the same man that killed his father, aided by Hecale [“HECK-a-lee”] and this figure’s foster-sister. In some versions, this figure’s father killed Androgeus, inciting the periodic punishment that would lead to this figure’s death. In many traditions, this figure was named after his adoptive father’s adoptive father, (*) Asterion. This figure’s mother was cursed to fall in love with his father as punishment for a failed sacrifice to Poseidon, and, thanks to Daedalus’ inventions, they eventually conceived this figure via a hollow wooden cow. The son of Pasiphae and the Cretan Bull, FTP, name this bull-man of Greek myth, the only inhabitant of the Labyrinth.
ANSWER: The Minotaur [accept Asterion or Asterius before said, accept Minotauros, do not accept or prompt on ‘Cretan Bull’]

18. The Women’s Single sculls at the 1992 Summer Olympics was won by an athlete from this country. The 2004 Olympics saw individual gold medals in the beam and floor gymnastic disciplines won by someone from this country. Those athletes are Elisabeta Lipă and Cătălina Ponor. A tennis player from this country lost to Maria Sharapova in an epic match in the final of the (*) 2014 French Open. That same player lost to Jelena Ostapenko in the final of the 2017 French Open and is Simona Halep. The 1976 Summer Olympics saw a gymnast from this country become the first to be awarded a perfect score of 10. Nadia Comăneci [“kom-un-NETCH”] represented, for 10 points, which European country in gymnastics?
ANSWER: Romania <DK, Trash>

19. A well-defined crystal-crystal transition at -87.1 degrees Celsius for this molecule is used to calibrate differential scanning calorimeters. In the synthesis of the nylon precursor capro-lac-tam, a cobalt catalyst oxidises this molecule to a ketone before it undergoes the Beckmann rearrangement. This molecule is commonly used as a solvent in freezing point depression experiments due to it behaving like an ideal liquid. Two of these molecules are fused together in (*) decalin, and steric effects from substituents of this molecule are quantified using A-values. This molecule is the simplest that flips through the twist-boat intermediate, and its most stable conformer is the chair. For 10 points, name this ring-shaped molecule with formula C₆H₁₂.
ANSWER: cyclohexane [prompt on “C₆H₁₂” before read, do not accept “cyclohexene” or “(n-)hexane”]
<EWL, Chemistry>

20. In one novel by this author, the protagonist meets his future mistress when she is one of two Suffragettes that attack him and General Campion during a round of golf. In a later novel by this author, that same protagonist’s wife cuts down the Great Tree of Groby to punish him for sleeping with Valentine (*) Wannop. After receiving a telegram reading "Safe Brindisi. Having a rattling good time. Nancy" from his wife, Edward Ashburnham slits his throat in a novel by this man beginning "This is the saddest story I have ever heard." For 10 points name this creator of Christopher Tietjens, who wrote *Parade’s End* and *The Good Soldier*.
ANSWER: Ford Maddox Ford <DJ, Literature>

Bonuses

1. This cultural practice is frequently represented in art from the Greek colonies of southern Italy, but almost never depicted in the art of Athens itself. For 10 points each:

[10] Name this cultural activity depicted in the Pronomos vase painting being watched by Dionysus and Ariadne.

ANSWER: **theatre** [accept **acting**]

[10] The Pronomos vase shows actors in a satyr play holding rather than wearing these objects, which allowed actors in Greek theatre to transform between different roles.

ANSWER: **masks** [or **prosopon**]

[10] Actors could change their masks and costumes in this architectural feature that stood behind the stage or acting area and was decorated to give a contextual background to the action. Roman theatres extended this feature to become a permanent architectural façade, often with Corinthian columns.

ANSWER: **skene** [skeh-neh] [or **scaenae frons**] <ED, Visual Fine Arts>

2. Answer the following about the aerodynamics of a falling Batman, for 10 points each:

[10] Batman jumps off a building and unfurls his super-awesome cape, which is neatly streamlined, so the fluid flow over his cape probably has a low value for this dimensionless quantity, which is the ratio of inertial forces to viscous forces.

ANSWER: **Reynolds** number

[10] Batman can model the airflow over his cape using this set of differential equations. Batman's also pretty clever, so he's probably proved whether or not smooth solutions to these equations exist.

ANSWER: **Navier-Stokes** equations

[10] Unfortunately, the Joker has sabotaged Batman's cape with a big hole in one wing, so Batman goes into an uncontrolled spin. The resultant pressure difference on both sides of the rotating Batman generates an upwards lift force due to this phenomenon, which gives him just enough time to save his bacon.

ANSWER: **Magnus** effect [or **Magnus** lift; accept "Holy **Magnus** effect, Batman!"] <EWL, Physics>

3. For 10 points each answer the following questions about French novels set in Italy:

[10] This novelist, who served a brief stint as Minister of Foreign Affairs, fictionalized his romance with a Neapolitan tobacco leaf folder in his novel *Graziella*.

ANSWER: Alphonse de **Lamartine**

[10] The first woman elected to the Academie Francaise, Marguerite Yourcenar, gained fame with a book of fictional memoirs of this emperor who describes events in his life, such as the construction of his namesake wall.

ANSWER: **Hadrian** [or *Memoirs of **Hadrian***; or *Mémoires d'**Hadrien***]

[10] In this Andre Gidé novel, Michel, who suffers from Tuberculosis and a strange attraction to young Arab boys, sunbathes naked on a rock while on Honeymoon with Marceline in Italy.

ANSWER: *The **Immoralist*** [or *L'**immoraliste***] <DJ, Literature>

4. This figure provoked controversy in the West in 2014, when conflicting accounts arose as to her species. For 10 points each:

[10] MKULTRA can confirm that this Japanese *kawaii* character is actually a girl born in London in 1974, and not a cat, no matter how much she might look like one.

ANSWER: **Hello Kitty** [prompt on partial answers, accept Kitty **White**]

[10] Somewhat overshadowed by his girlfriend's fame, this boy who also looks very much like a cat was introduced in 1999 as Kitty's boyfriend, despite the fact that he spends most of his time in Africa and New York.

ANSWER: **Dear Daniel** [prompt on partial answers, accept Daniel **Starr**]

[10] Kitty and Daniel are both part of the huge roster of *kawaii* characters developed and merchandised by this Tokyo-based marketing company.

ANSWER: **Sanrio** Co. Ltd. [accept **Kabushikigaisha Sanrio**] <EBL, Trash>

5. You know what doesn't come up enough in quiz? Faux-mythic mid-90s adventure gamebooks. So, for 10 points each, here are some bonuses on mythological references in Dave Morris' seminal *Heart of Ice*:

[10] One of the first choices the player character makes is whether to travel through the jungles of this mythical country, which bordered Cornwall and was the homeland of Tristan, before sinking beneath the sea.

ANSWER: **Lyonesse**

[10] During their travels, the player character may acquire a robotic companion named for this legendary Sumerian king, the slayer of Humbaba and best friend of Enkidu.

ANSWER: **Gilgamesh**

[10] When the player character finally reaches Du-En, the plasma cannon-wielding leader of the expedition there is named for this thunderbolt scepter, the weapon of Indra, which also names the third-largest school of Buddhism.

ANSWER: **Vajra** [accept **Vajrayana** or **Vajra Singh**, prompt on **Singh**]

6. Despite the fact that his wife was a Christian, this man supposedly feared St Augustine so much that he insisted on meeting him outdoors. For 10 points each:

[10] Name this King of Kent, who in 597 became the first Anglo-Saxon king to convert to Christianity.

ANSWER: **Aethelberht**

[10] Augustine had been sent to England by this Church Father, who successfully reasserted papal control over the Western Church. According to Bede, he had once referred to a group of English slaves as "non Angli, sed Angli."

ANSWER: **Gregory I** [or **Gregory the Great**; or **Gregory the Dialogist**; prompt on **Gregory**]

[10] With Aethelberht's permission, Augustine set up a diocese at Canterbury, which was soon confirmed as an archdiocese by Pope Gregory. In 604, he set up a second bishopric at this other Kentish town, where his follower Justus began work on a cathedral.

ANSWER: **Rochester** <TH, History>

7. The greater the fetch, the greater the amplitude of these waves. For 10 points each:

[10] Name these waves caused by moving air particles generating normal and shear forces on the surfaces of lakes, seas and oceans.

ANSWER: **wind** waves or **wind-generated** waves [or **water** waves; prompt on **gravity waves**]

[10] In shallow water, the speed of wind waves equals the square root of gravitational acceleration multiplied by this quantity.

ANSWER: **depth**

[10] Also known as the "breaker parameter", this dimensionless quantity classifies breaking waves as either spilling, plunging, collapsing or surging.

ANSWER: **Iribarren** number [or **Iribarren** parameter; or **surf similarity** parameter] <DK, Other Science>

8. Answer the following about aircraft gunners in American literature, for 10 points each:

[10] The gunner Snowden is mortally wounded whilst crewing Captain Yossarian's plane in this satirical novel by Joseph Heller.

ANSWER: **Catch-22**

[10] The protagonist of this novel is named for the initials of his father's rank, a Technical Sergeant and ball turret gunner who was brain-damaged in combat and afflicted with perpetual arousal.

ANSWER: *The* **World According to Garp**

[10] The character of Technical Sergeant Garp is a nod to this author's poem "The Death of the Ball Turret Gunner", whose speaker is attacked by "nightmare fighters" and has to be "washed out of the turret with a hose".

ANSWER: Randall **Jarrell** <EWL, Literature>

9. After the cancellation of this event, Ja Rule tweeted that it was "NOT A SCAM" and "NOT MY FAULT". For 10 points each:

[10] Name this music festival cancelled in May 2017 after attendees enjoyed luxuries like being served bread and cheese in a styrofoam container.

ANSWER: **Fyre** Festival

[10] This television personality may get into trouble for tweeting a promotion for Fyre Festival without the "#ad". This half-sister of Kim Kardashian appeared in a terrible 2017 advert where she stands up to the police at a protest by giving them Pepsi.

ANSWER: **Kendall** (Nicole) **Jenner** [both underlined names required; prompt on partial answer]

[10] Another damp squib event was DashCon, where attendees were placated with time in one of these play apparatuses. Mark hides a drunk Sophie in one of these at the Kid Kave in *Peep Show*, while in *The Big Bang Theory*, Sheldon shouts "BAZINGA!" while evading Leonard in one of these apparatuses.

ANSWER: **ball pit** [accept **ball pool**, **ball crawl**, **ball pond** or other reasonable descriptions] <DK, Miscellaneous>

10. Russia captured this town in March 1915, but lost it again in the Gorlice-Tarnów [GOR-litz-uh TAR-nohv] Offensive. For 10 points each:

[10] Name this fortress on the San River in modern-day Poland, where Austro-Hungarian troops withstood the longest siege of the First World War.

ANSWER: **Przemyśl** [p-RZHEH-mish-l, but be generous in accepting non-native Polish pronunciations] [accept **Premissel**]

[10] Przemyśl became a focal point on the Eastern Front after Austria-Hungary's disastrous failure to capture what small country, to which it issued an ultimatum after the assassination of Archduke Franz Ferdinand?

ANSWER: **Serbia** [or Kingdom of **Serbia** or Kraljevina **Srbija**]

[10] Rudolf Weigl [VIE-guhl] began developing the first effective vaccine against this disease while working in wartime Przemyśl. Serbian refugees and prisoners spread this disease carried by body lice throughout the Eastern Front; it later killed millions during the Russian Civil War.

ANSWER: (epidemic) **typhus** [do not accept or prompt on "typhoid"] <ED, History>

11. Joseph Connell performed a famous experiment on the *Balanus* and *Chthalamus* genera of these organisms on the Scottish coast. For 10 points each:

[10] Name these hermaphroditic animals with the ability to stick themselves very firmly to hard surfaces, which is why they are often found on the underside of ships.

ANSWER: **barnacles**

[10] Connell's barnacle experiments showed that the niche overlap of the two barnacle genera prevented *Chthalamus* from colonising the middle intertidal zone. That is an example of this ecological principle, which states that no two organisms can occupy the same niche.

ANSWER: **competitive exclusion** principle [or **Gause's** principle]

[10] Experiments by Robert Paine to demonstrate his theory of keystone species showed a large increase in barnacle populations but a large decrease in biodiversity when this genus of starfish was removed from the ecosystem.

ANSWER: **Pisaster ochraceus** <EWL, Biology>

12. Idina Menzel played the bisexual Maureen in the original Broadway cast of this musical. For 10 points each:

[10] Name this Jonathan Larson musical that transplants the plot of *La bohème* to New York's East Village during the AIDS crisis.

ANSWER: **Rent**

[10] This economist codified the concept of rent in terms of the increased value of more productive land over marginal land. Alfred Marshall defined "quasi-rent" to incorporate variations in cost of production into this economist's classical theory.

ANSWER: David **Ricardo**

[10] This late house singer declared "no romance without finance" and "you got to have a J.O.B. ["jay oh bee"] / if you wanna be with me" in her 1986 sing "Ain't Nothin' Goin' On but the Rent".

ANSWER: (Gwendolyn) "Gwen" **Guthrie** <ED, Miscellaneous>

13. Your questions are on historical events that have happened in ten days. For 10 points each:

[10] The Ten Days' Campaign was a military operation by the Netherlands to prevent the independence of this country. It collapsed when France intervened.

ANSWER: **Belgium**

[10] *La Decena Trágica*, or Ten Tragic Days, was a pivotal coup in this event. The US Ambassador Henry Wilson conspired with General Victoriano Huerta to depose Francisco Modero, who was then murdered during this revolution.

ANSWER: **Mexican** Revolution

[10] This man wrote the book *Ten Days That Shook The World* about the October Revolution.

ANSWER: John **Reed** <PA, History>

14. This school of Buddhism is comprised of the Mādhyamaka and the later Yogācāra traditions, and emphasises the role of bodhisattvas. For 10 points each:

[10] Name this school of Buddhism, whose name literally means "great vehicle", and which is contrasted with the Theravada school.

ANSWER: **Mahayana**

[10] This central Mahayana doctrine argues that a Buddha has 3 bodies: a dharma body, a body of mutual enjoyment, and a physical body.

ANSWER: **Trikaya** [or **ānshēn**; or **Samsin**; or **Tam thân**; or **Sanjin**; or **Sanshin**, or **sku gsum**]

[10] This central Buddha of Pure Land Buddhism has been closely associated with the body of mutual enjoyment because of his countless good deeds.

ANSWER: **Amitabha** Buddha [accept **Amida** or **Amitayus**]

15. Major landmarks of this city include the Rector's Palace, the Cathedral of the Assumption of the Virgin Mary and the striking stone defensive walls around its Old Town. For 10 points each:

[10] Name this port on the Dalmatian coast which is an increasingly popular stop for ships on Adriatic cruises.

ANSWER: **Dubrovnik** [accept **Ragusa**]

[10] Dubrovnik is a major port of this European country with capital Zagreb.

ANSWER: Republic of **Croatia** [or Republika **Hrvatska**]

[10] Less popular than Dubrovnik, but arguably as beautiful is this Croatian city on the peninsula of Istria. This city is known for its Roman remains including its namesake Arena, one of the best preserved Roman amphitheatres in the world.

ANSWER: **Pula** [or **Pola** or **Pulj** or **Polej**] <DK, Geography>

16. These people escaped the destruction of their planet by switching bodies with sentient plants on Earth, and somehow brought their 'library-city' with them to Australia. For 10 points each:

[10] Name these aliens, and by extension the plant-cones they inhabit, who travel through time by switching bodies and get a glimpse of 1900s America through Nathaniel Wingate Peaslee.

ANSWER: The Great Race of **Yith** [accept **Yithians**]

[10] One of the many captives in the Yithian library-city was S'gg'ha, described as one of the "star-headed vegetable carnivores of [this place]", also the main setting of *At the Mountains of Madness*.

ANSWER: **Antarctica**

[10] The Yithians and the Elder Things are two of the many species in the mythos of this American author, whose denizens also include Nyarlathotep and Cthulhu.

ANSWER: Howard Phillips **Lovecraft** <EBL, Trash>

17. The MONIAC, an early computer which used flows of water to represent national income and other economic variables, was designed by this economist. For 10 points each:

[10] Name this man, who is better known for his observation of an empirical relationship between unemployment and inflation.

ANSWER: Alban William **Phillips**

[10] High unemployment and inflation during this decade provided evidence against the long-run Phillips curve. Other economic events during this decade included the end of the Bretton Woods system and a 1000% increase in nominal oil prices.

ANSWER: **1970s**

[10] Milton Friedman's variation on the Phillips curve uses this form of inflation expectations. Agents with these expectations only use past information to determine future behaviour, unlike rational expectations.

ANSWER: **Adaptive** expectations <FCM, Social Science>

18. Kevin Bishop portrays this man in the BBC film *The Rack Pack*. For 10 points each:

[10] Name this Essex sports promoter who managed Steve Davis during his domination of snooker and is currently chairman of the Professional Darts Corporation.

ANSWER: Barry (Maurice William) **Hearn**

[10] Hearn was also previously the chairman of this London-based football club. During Hearn's tenure, this club fought with Spurs and West Ham for tenancy of the London 2012 Olympic Stadium.

ANSWER: **Leyton Orient** F.C.

[10] Via his promotions company Matchroom Sport, Hearn is also involved in the televising of some of this sport's main competitions, including the Weber Cup. One might score a "strike" or a "spare" when playing this sport.

ANSWER: **ten-pin bowling** [prompt on just bowling] <DK, Trash>

19. In this book, the author describes urging his students to read Frantz Fanon's *The Wretched of the Earth*, claiming that without it, it is impossible to understand what informs African writing. For 10 points each:

[10] Name this essay collection, which its author states is his "farewell to English as a vehicle for any of [his] writings". He describes "the great Nairobi literature debate" in the final section "A Quest for Relevance".

ANSWER: **Decolonising the Mind**

[10] *Decolonising the Mind* is an essay collection by this Kenyan author of *A Grain of Wheat* and *Petals of Blood*.

ANSWER: **Ngũgĩ** wa Thiong'o

[10] In *Decolonising the Mind*, Ngũgĩ relates how he was arrested for writing this play and performing it in an open-air theatre in Kamiriithu. This play sees the Kiguunda family tricked into mortgaging their land to pay for their factory-owning neighbour's wedding.

ANSWER: **I Will Marry When I Want** [or **Ngaahika Ndeenda**] <EWL, Literature>

20. The common name of this chord was coined by the biographer Arthur Eagleford Hull rather than by its primary user, who instead referred to it as the "chord of the pleroma". For 10 points each:

[10] Name this quartal hexachord that pervades works such as *The Poem of Ecstasy*.

ANSWER: **mystic** chord [or **Prometheus** chord; prompt on **pleroma** chord]

[10] The mystic chord was first used primarily by this Russian composer, who may have been influenced by synaesthesia to invent the “clavier à lumières” for use in his work *Prometheus: The Poem of Fire*.

ANSWER: Alexander **Scriabin**

[10] The mystic chord also forms the basis for much of Scriabin’s Piano Sonatas number 7 and 9, which have opposing nicknames. Name either.

ANSWER: **White Mass** Sonata or **Black Mass** Sonata <BS, Auditory Fine Arts>