**Cambridge Open 2018:** All Tom’s Tossups Are Nancy Tossups

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Packet 4

The last tossup you read should have been William Walton. If it was not, stop immediately and check which packet you are supposed to be reading.

**Tossups:**

1. DESCRIPTION ACCEPTABLE

**Dankwart Rustow’s “dynamic model” of this process founded the “transitology” approach. Acemoglu and Robinson argue that the odds of this process have an “inverted U-shaped relationship” with inequality in a work that questions Seymour Lipset’s theory of it. The** (\*) “modernisation theory” ofthis process, the “third wave” of which titles a Samuel Huntington book, posits that economic development leads to this process and has been used to predict that it will occur in China. For 10 points, name this process that ends authoritarian regimes.

ANSWER: **democratisation** [accept any answer that gets across the idea of “becoming a **democracy**”; prompt on answers like dictatorships ending] <JG>

2. **In a commentary on this work, Aspasius argues that a reference in this work to the *physiologoi* was in fact polemical. This work introduces the concept of *epieikeia* or “equity” to describe the softening of strict legal rules in a chapter that distinguishes between “distributive” and “rectificatory” (\*)** justice. This work includes *phronesis* or practical judgment as one of five intellectual virtues and argues that all virtues are a mean between two extremes. For 10 points, name this ethical text by Aristotle that was edited by his son.

ANSWER: ***Nicomachean Ethics*** <ADG>

3. **A work from this movement includes the words “valse” and “polka” in gold in a “hieroglyphic” of the Bal Tabarin. A work from this movement shows men being swept aside as red horses rush towards each other and suburban houses are built in (\*)** *The City Rises*. A work from this movement shows a dachshund being walked, while a founder of this movement claimed that “a roaring motor car is more beautiful than the Winged Victory of Samothrace.” For 10 points, name this movement, which included Carlo Carra and Umberto Boccioni.

ANSWER: Italian **Futurism** [accept word forms] (the first painting is Gino Severini’s *Dynamic Hierogylphic of the Bal* *Tabarin*) <JK>

4. **In one novel, a man who sells these things has a ticket for an ark that protects against nuclear holocaust stolen by his two stooges. In another novel, a man who studies these things looks up the definition of sand, shortly before being trapped with a nameless woman in a house built in the side of a sand dune. In addition to those novels by** (\*) Kobo Abe, another novel about these creatures tells of a man who awakes as one, but dies after his father throws an apple at him. For 10 points, name this type of animal into which Grete’s brother Gregor Samsa transforms in *The Metamorphosis*.

ANSWER: **insect** [accept **bugs** and other obvious equivalents or specific types] <Theo>

5. **In one story, this god attempts to hide in a waterfall in the form of a salmon, but is captured. A son of this non-Indra god named Vali is turned into a wolf and kills another of his sons. This god kills Fimafeng for being too good at being a servant before calling Bragi an “adorner of benches,” among (\*)** many other insults.

In another story, this god so thoroughly “distracts” Svaðilfari [svah-thil-FAH-ree] in the form of a mare that he gives birth to Sleipnir. For 10 points, name this father of Fenrir and Hel who engineered Baldr’s death, a Norse trickster deity.

Answer: **Loki** [also accept **Lopt**yr] <SR>

6. **The amount of this element in an ore can be determined gravimetrically by forming its bright red insoluble complex with di•methyl•glyoxime. A stable intermediate in super-heavy element synthesis in supernovas may be this element’s doubly (\*)**-magic 78-isotope. Pure samples of this element can be purified from its horrifyingly toxic tetra**•**carbonyl in the Mond process. Early rechargeable batteries used a couple of this metal and cadmium. Lying between cobalt and copper on the periodic table, for 10 points, name this element with symbol Ni.

ANSWER: **nickel** [or **Ni**] <EM>

7. **In one poem, this writer says that it is “a curious odor, a moral odor” that draws him to the addressee, and describes how this writer used to keep pressed flowers. In another poem, this poet describes the title city as a man who “lies on his right side, head near the thunder of the waters filling his dreams” and repeats the line** (\*) “no ideas but in things”. A resurgence in interest in this author’s work was initiated by a poem in which he admits to stealing items which “you were probably saving for breakfast”. For 10 points, name this poet of *Paterson* who wrote about eating the addressee’s plums in “This is Just to Say”*.*

ANSWER: William Carlos **Williams** [prompt on Woman Crush Wednesday] <Theo>

8. **A John Green novella about unicorns mixed with these creatures was published in 2010 under a creative commons license. Mainly due to the oil well it is build upon, Windsor Castle is used as a defensive fortress in a conflict with these creatures, who inflict a catastrophic defeat upon the United States at the Battle of (\*)** Yonkers. The book in which those events occur is a follow up to a guide to survive an onslaught of these by Max Brooks. A co-op game mode in Call of Duty: World War II is named for their Nazi variety. For 10 points identify these undead antagonists of *World War Z*.

ANSWER: **zombies** [prompt on undead before mention] <Theo>

9. **This animal titles *A Journal of Vexillology* named after the flag its sponsor organisation assumes to be the first flown over North America. A 2017 revival of a TV show named for this animal saw Aisha Toussaint take over the title role. In 1875, Stéphane Mallarmé translated, and Édouard Manet illustrated,** (\*) a poem titled for this animal, in which the narrator mourns the death of his beloved Lenore. For 10 points name this bird, associated with the phrase ‘Let the challenge… begin’ in a CBBC game show, and ‘Nevermore’ in a poem by Edgar Allan Poe.

ANSWER: **raven** [accept ***The Raven***] <DJL>

10. **This man and his brother Geoffrey both attained first-class degrees in Physics from Imperial College London, where he later took a PhD under Sir George Thomson. This man defended his most prominent political action when he told the *Daily Mirror* he was a “very** (\*) practical man”, and insisted that the government matched his ICI salary, which was £14,000 greater than then Prime Minister, Harold Macmillan’s. For 10 points, name this man, whose first report, *The Reshaping of British Railways*,identified 2,363 stations and 5,000 miles of railway line for closure.

ANSWER: Richard **Beeching**, Baron Beeching <DJL>

11. **In January 2018, complex organic molecules were detected in the N113 region of one of these objects, which contains the region known as 30 Doradus. Henrietta Leavitt studied the period-luminosity relations of Cepheid variables in these astronomical objects, one of which contains the N90 nebula. A stream of neutral Hydrogen linking these objects is known as their namesake** (\*) “bridge”. One of these objects is home to the blue supergiant Sanduleak [*san-doo-LAY-ak*], which was observed as the SN-1987A supernova. For ten points, identify this pair of dwarf galaxies found in the southern sky, named for a Portuguese explorer.

ANSWER: **Magellanic Clouds** [prompt on galaxies before “bridge” is mentioned] <MN>

12. **A sect of this religion founded in Cumbria inflamed the “Shugden” controversy about a figure that in some stories was destroyed by the “Great Fifth.” This is the younger of two religions whose followers hope to become “rainbow bodies” upon death.** **This religion’s principle of *tulku* replaced (\*)** succession within families starting with the Karmapa school. This religion’s “Virtuous” or “Gelug-pa” sect conducts funerals using a “Book of the Dead.” Centred at the Potala Palace, for 10 points, name this religion led by Tenzin Gyatso, the 14th Dalai Lama.

ANSWER: **Tibetan** **Buddhism** [prompt on Buddhism alone and anti-prompt on specific schools of Tibetan Buddhism] <EJW>

13. **In one of this composer’s operas, one of the antagonists questions whether birds that land on a ship’s railing are the true custodians of the earth. The second act of that opera by this man opens with a description of Hagar meeting the Angel; the same opera ends with Marilyn singing “They should have (\*)** killed me, I wanted to die”. In another of this composer’s operas, the title character views a performance of *The Red Detachment of Women*, after arriving by aeroplane and being greeted by Zhou Enlai. For 10 points, name this American composer of *The Death of Klinghoffer* and *Nixon in China*.

ANSWER: John Coolidge **Adams** <Theo>

14. **This man’s chauffeur inadvertently facilitated his death by stopping to ask pub landlord Denny Long for directions. This man quipped, “I may have signed my actual death warrant” after F.E. Smith suggested that he may have signed his political death warrant. After (\*)** Arthur Griffith and this man negotiated a treaty which guaranteed their country Dominion Status, they lost the support of Republicans including Éamon de Valera. For 10 points, name this Nationalist politician, who briefly led the Provisional Government of the Irish Free State until his assassination.

ANSWER: Michael **Collins** <Tom>

15. **Its gifting to Edward the Confessor by his queen inspired the village name of Edith Weston in this county, whose west is mostly located in the Vale of Catmose. A castle in this county possesses a large collection of horseshoes, given as forfeits by members of royalty passing through its county town. One body of water named for(\*)** this county was created by damming the Gwash valley in the 1970s, and is the largest artificial reservoir by surface area in the UK. The smallest historic county of England, for 10 points, name this East Midlands county with county town at Oakham.

ANSWER: **Rutland** <JK>

16. **In 2012 this man took the unusual step of endorsing his old Boston Consulting Group colleague Mitt Romney. A hot mic caught Sarkozy and Obama complaining about this man at a G20 summit in Cannes. This man’s brother was killed during the** (\*) Entebbe Raid. A current corruption scandal involving this man centres around gifts of champagne and luxuries to his wife Sara. One operation launched by this man was codenamed Protective Edge. For 10 points, name this leader of Likud and current Prime Minister of Israel.

ANSWER: Benjamin **Netanyahu** (Accept **Bibi**) <JS>

17. **The oxidoreductase PDIA3 and the heterodimer TAP1/TAP2 are responsible for loading these complexes via an endoplasmic reticulum pathway. Natural killer cells recognise and are activated by a lack of these complexes on viruses, a phenomenon known as ‘missing-self’. In humans, the gene complex encoding these (\*)** cell-surface proteins resides on a stretch within chromosome 6p21, and is known as HLA. For 10 points, name this protein complex that presents antigens to T cells, found in class I and class II forms.

ANSWER: **Major Histocompatibility Complex** [or **MHC**] <DJL>

18. **Andrew Wallace-Hadrill, in a 1983 study of this writer, claimed that this writer “knew that he stood in the shadow of a giant.” It is unclear whether this writer’s reference to “Jews” incited by “Chrestus” refers to Christians. This writer listed grants made by (\*)** Vespasian in a seeming attempt refute the latter’s reputation for stinginess, and described Augustus yelling for Varus to “give me back my legions.” For 10 points, name this Roman historian, who according to Wallace-Hadrill sought to supplement Tacitus rather than challenge him in the work *The Twelve Caesars.*

ANSWER: **Suetonius** [or Gaius **Suetonius** Tranquillus] <HO>

19. **This novel’s final events result from a character listening to the song “Some of these days”. In this novel, several worthies are deemed “afraid of death” during the protagonist’s visit to a portrait gallery, and the protagonist later considers whether a chestnut tree’s roots are** (\*) truly black. That protagonist visits his former lover Anny, and at the end of this novel, the protagonist gives up writing a biography of the Marquis de Rollebon and moves away from Bouville. For 10 points, name this novel about Antoine Roquentin who suffers from the title “sweetish sickness”, written by Jean-Paul Sartre.

ANSWER: ***Nausea*** [or ***La Nausee*]** <JK>

20. TWO ANSWERS REQUIRED

**One of these two people said of the other that early in their careers, they were “like lovers desperate to get to lovemaking” while sharing an office. After one of them demoted the other to chairing press conferences, the latter replied, “there is nothing you could say to me now that I could ever believe.”** (\*) A restaurant on Upper Street in Islington was the supposed location of the ‘Granita Pact’ between these two men, in which one agreed to step down in favour of the other after two terms. For 10 points, name these two Labour Prime Ministers who together served between 1997 and 2010.

ANSWER: James Gordon **Brown** and Anthony Charles Lynton “Tony” **Blair** <JK>

21. **This character states that should a reviewer “gnash his teeth, and storm and rage” at him, he would recall that “the weather was very hot”. While discussing renaming this character, a roasted chestnut drops into Phutatorius’s breeches. This character wonders if he would have been conceived differently had his mother not asked** (\*) about a clock while having sex. After lengthy digressions, we eventually learn that this character’s nose was flattened by Dr Slop’s forceps, and he later gets circumcised by a window sash. For 10 points, name this associate of Parson Yorick, a gentleman created by Laurence Sterne.

ANSWER: **Tristram** **Shandy** [accept either name] <LC>

22. **In an April Fools Day video, Valentina Lisitsa joked that she hated this composer, but argued more seriously that his work is too sentimentalised. A series of forte fortissimo C♯ minor chords, each followed by a three note cadential motif, open the third of this composer’s** (\*) *Morceaux de Fantasie*, and he used “La Folia” as the theme for his *Corelli Variations*. This composer drank crème de menthe to steady his hands during performances of one piece, and dedicated another to his hypnotherapist Nikolai Dahl. For 10 points, name this Russian composer of four piano concertos and *Rhapsody on a Theme of Paganini*.

ANSWER: Sergei **Rachmaninov** <JK>

23. **Two lasers are tuned to interact with three quantum states in a material in a method for electromagnetically inducing this property that can also be exploited in laser cooling. Metals tend to display this property with respect to radiation with energy above the (\*)** plasmon energy. The industry standard among conductive materials which possess this property is tin-doped indium oxide. The atmosphere only displays this property over certain frequency regions called “windows”. For 10 points, name this property possessed by glass and perspex which lets you see through them.

ANSWER: **transparency** [or **pellucidity** or **diaphaneity**] <EM>

24. **This ruler created the Assignation Bank, which issued the country’s first paper money, and confirmed the *Manifesto on Freedom of the Nobility*. At the urging of Ivan Betskoy, this ruler opened the Smolny Institute for women’s education.** (\*) This ruler backed Stanislaw Poniatowski, then the Targowica Confederation against him, and faced Pugachev’s Rebellion. An advisor famously showed this ruler fake “Potemkin villages,” and this ruler came to power in a coup against Peter III, her spouse. For 10 points, name this “Great” Russian Empress with many lovers.

ANSWER: **Catherine the Great** [accept **Catherine II** or **Sophie of Anhalt-Zerbst**] <SC>

**Bonuses:**

1. A hissing serpent depicted and a snarling dragon reveal a root’s ability to cure snakebite in a decorated example of one of these works. For 10 points each:

[10] Name these scientific texts compiled by writers such as Elizabeth Blackwell. Commonly used by apothecaries, they contain descriptions and illustrations of species such as *Helleborus niger*.

ANSWER: **Herbals**

[10] This botanist author of the *Complete Herbal* came into conflict with the College of Physicians and was acquitted for allegedly practising witchcraft in 1642.

ANSWER: Nicholas **Culpeper**

[10] Amongst the plants described by Culpeper is this herb of the family *Asteraceae*. While its medicinal uses included scalp treatments, this herb has been paired since the Middle Ages in a popular drink with dandelion.

ANSWER: **Burdock** [accept ***Arctium lappa***, **gobo**, **beggar’s buttons**, **thorny burr**, or **happy major**] <LC>

2. For 10 points each, name some in rivers which Hindus might bathe in as part of the mass pilgrimage of Kumbh Mela:

[10] The most recent Kumbh Mela took place in Ujjain on the Shipra, a tributary of the Yamuna River sacred to this deity. In his holy city of Vrindavan, this deity purified the Yamuna by dancing on an venomous naga’s head.

ANSWER: **Krishna** [prompt on Vishnu but do not accept or prompt on any of his other avatars]

[10] The Kumbh Mela might also visit this river, often personified as a goddess who was brought down to Earth by the king Bhagiratha. Hindus customarily immerse relatives' ashes in this holiest river in India.

ANSWER: The **Ganges**

[10] The 2015 Kumbh Mela was held on this river, which according to tradition was created by the sage Gautama to purify himself of accidental bovicide and was cursed by Parvati after it refused to wash off her sins.

ANSWER: The **Godavari** River [also accept the **Dakshina Ganga** or **South**ern **Ganges**] <HO>

3. Name some things about reactions of cyclohexene. For 10 points each:

[10] The Furst-Plattner rule states that the electrophilic addition of bromine to cyclohexene will initially form a trans-diaxial product to prevent the product having this high-energy conformation.

ANSWER: **twist boat** [do not prompt or accept “boat”]

[10] One common method of forming cyclohexene derivatives in synthesis is through use of this cycloaddition reaction which reacts a diene and a dienophile.

ANSWER: **Diels-Alder** reaction

[10] Cyclohexene can be dehydrogenated to form this aromatic compound with formula C6H6.

ANSWER: **benzene** <EM>

4. M0 and M1 are considered “narrow” measures of this quantity, while M2 and M4 are more commonly employed   
“broad” measures of this quantity. For 10 points each:

[10] Name this quantity, the total stock of currency and other liquid assets in a given economy at a given time. Many of Milton Friedman’s policy proposals centered on maintaining a slow, constant growth of this quantity.

ANSWER: **money supply** [accept **money stock**; prompt on money]

[10] This economist grounded the quantity theory of money by being the first to algebraically formulate the equation of exchange, MV=PT. He also names an equation that relates real and nominal interest rates.

ANSWER: Irving **Fisher**

[10] This alternative to Fisher’s equation of exchange includes a constant *k* equal to the proportion of national income that the public wish to hold in cash. This equation emphasises demand for money as a store of value.

ANSWER: The **Cambridge** equation [or the Cambridge **cash-balance** equation] <HO>

5. Hilariously bad responses to hecklers on the Swing Around the Circle tour like “why don’t you hang Thad Stevens and Wendell Phillips?” and “I don’t care about my dignity” were cited in this event. For 10 points each:

[10] Name this event, the first of its kind, that resulted from tensions with Radical Republicans and was ostensibly triggered by the removal of Edwin Stanton as Secretary of War in alleged violation of the Tenure of Office Act.

ANSWER: the **Impeach**ment of President Andrew **Johnson** [prompt on partial answer]

[10] During Bill Clinton’s impeachment, Clinton infamously argued that whether he committed perjury about his affair with Monica Lewinsky hinged on one’s definition of this word. Exact answer required.

ANSWER: “**is**”

[10] The nakedly partisan Covode Committee found corruption but no grounds for impeaching this president. Lewis Cass resigned from this signatory of the Ostend Manifesto’s cabinet over his “doughface” tendencies.

ANSWER: James **Buchanan**, Jr. <JS>

6. The first play by this writer to be produced concerned Aggie Appleby, a “Maker of Men”, who toughens up the mild-mannered Adoniram Schlump. For 10 points each:

[10] Name this playwright, whose later works included the light comedies *Cross Town* and *There's Wisdom in Women*.

ANSWER: Joseph **Kesselring**

[10] Kesselring's best known work is this farce about critic Mortimer Brewster, whose two elderly aunts mix the title substance into wine, and whose brother resembles Boris Karloff owing to plastic surgery.

ANSWER: ***Arsenic and Old Lace***

[10] Another of Mortimer’s brothers in the play is convinced that he is this “Bull Moose” President - and so obsessively digs locks for the Panama Canal and charges upstairs like a Rough Rider.

ANSWER: **T**heodore **Roosevelt** [prompt on Roosevelt] <HO>

7. The October Revolution not only had a profound effect on politicians, but also on composers. For 10 points each:

[10] This composer wrote a cantata for the 20th anniversary of the October Revolution. The premiere of his opera, *The Gambler* was cancelled due to the February Revolution, and he later had difficulties with his operatic adaptation of *War and Peace*.

ANSWER: Sergei Sergeyevich **Prokofiev**

[10] In addition to his second symphony, *To October*, Dmitri Shostakovich composed this symphony in commemoration of the Revolution. Subtitled *The Year 1917*, it was his last conducted by Yevgeny Mravinsky.

ANSWER: Symphony No. **12**

[10] Shostakovich had earlier named his Seventh Symphony after this city, which had been renamed in 1924, shortly after the death of the man who had led the storming of its Winter Palace.

ANSWER: **Leningrad** [prompt on St Petersburg] <LC>

8. Works of this kind, including ‘Riddles Wisely Expounded’, have often been recorded by groups like Steeleye Span. For 10 points each:   
[10] Name this traditional British literary form. Works in this form were most notably collected by Francis James Child, and they include ‘Matty Groves’ and ‘The Elfin Knight’.

ANSWER: Child (popular) **ballad**s (prompt on folk songs or similar)

[10] This Scottish ballad tells of an ill-fated boat journey to Norway undertaken by the title character under the bidding of his king. It features the bad omen of ‘the new moone / with the auld moone in her arm’.

ANSWER: **Sir Patrick Spens** (accept **Child** Ballad No. **58**, or **Roud** Index **41**)

[10] ‘Sir Patrick Spens’ was incorporated into the opening lines of *Dejection: An Ode* by this Romantic poet of *The Rime of the Ancient Mariner* and ‘Kubla Khan’.

ANSWER: Samuel Taylor **Coleridge** <JK>

9. These structures come in small, clear-cored and large, dense-cored varieties, which house small-molecule neurotransmitters and neuropeptides respectively. For 10 points each:

[10] Name these structures, which at the neuromuscular junction contain acetylcholine and ATP in a 10:1 ratio.

ANSWER: Synaptic **vesicles**

[10] This superfamily of proteins mediates docking of cholinergic vesicles to the pre-synaptic membrane. These proteins include synaptobrevin in the vesicle membrane, and SNAP-25 in the cell membrane.

ANSWER: **SNARE** proteins [accept **SNAP receptor** or **soluble NSF attachment protein receptor** proteins]

[10] This toxin produced by a *Clostridium* bacterium causes flaccid paralysis by cleaving certain SNARE proteins. This toxin can be used clinically to treat blepharospasm, and cosmetically to reduce facial wrinkles.

ANSWER: **Botulinum** toxin (accept **Botox** or **BTX**) <DJL>

10. Following his return from a diplomatic mission, Pope John I was imprisoned by this employer of Boethius despite, or perhaps because of, the success of that mission to Byzantine Emperor Justin I. For 10 points each:

[10] Name this Arian founder of an Ostrogothic kingdom based in Ravenna.The ill-fated daughter of this posthumous hero of many works of Middle High German literature, Amalasuntha, ruled after him as regent.

ANSWER: **Theodoric** the Great [also accept **Theoderic** or **Dietrich** von Bern, given the literature clue]

[10] Theodoric the Great supposedly held a banquet in order to personally kill Odoacer, the man who brought about this event by deposing Romulus Augustulus and declaring himself King of Italy in 476 C.E.

ANSWER: the **fall of the Western Roman Empire** [accept equivalent descriptions; prompt on answers like just Rome or the Roman Empire that fail to specify the Western half]

[10] The *Variae Epistolae* by this writer are an important source on Theodoric’s reign. This more pliant replacement of Boethius as *magister officiorum* founded the Vivarium Monastery and wrote the *Institutiones*.

ANSWER: Flavius Cassius Aurelius **Cassiodorus** Senator <HO>

11. In *A Short History of Western Legal Theory*, John M. Kelly writes that this statement “gave what might be called the plain chant of natural rights, as Locke intoned them, a polyphonic charm.” For 10 points each:

[10] Give this statement that famously opens *On the Social Contract*, which goes on to describe how one concept in it could be made “legitimate.” The so-called “first English feminist” anticipated this quote sixty years earlier.

ANSWER: “**man is born free, and everywhere he is in chains**” [or “L’**homme est né libre et il est partout dans les fers**"; accept translations that capture the main idea while disregarding choice of conjunction and accepting the more literal **iron**s for “chains”]

[10] This “first English feminist” asked “if all men are born free, how is it that all women are born slaves?” in 1703’s *Some Reflections on Marriage*. She proposed a women’s college to further equal educational opportunities.

ANSWER: Mary **Astell**

[10] Astell probably would have criticised this thinker’s proposals that women be educated for attractiveness and domesticity in *Émile*. This man wrote *On the Social Contract*.

ANSWER: Jean-Jacques **Rousseau** <LC>

12. This photographer produced a set of psychedelic portraits of the Beatles, in which Ringo holds a bemused dove. For 10 points each:  
[10] Name this American photographer, known for his work for *Vogue* in the 1970s, as well as portrait collections like *In The American West*. His style was minimalist, with subjects often shot head-on against a white background.

ANSWER: Richard **Avedon**

[10] One of Avedon’s most notable “mural groupings” of portraits features this New York-based pop-art pioneer alongside members of his studio, The Factory, several of whom are incongruously naked.

ANSWER: Andy **Warhol**

[10] An iconic 1955 Avedon photograph features the model Dovima in a black and white evening gown, touching two of these animals. These animals are paired with swans in a surrealist painting.

ANSWER: **elephant**s <JK>

13. Some bodies of water are dangerous. For 10 points each, answer some questions on killer lakes:

[10] If lakes sit in volcanic areas, dangerous gases can build up in a layer at the bed and then be released following a disturbance. This is particularly problematic for this greenhouse gas, a product of respiration, as it is heavier than air.

ANSWER: **carbon dioxide**

[10] The most famous limnic eruption of carbon dioxide occurred at this Cameroonian lake in 1986, resulting in the deaths by asphyxiation of 1746 people and 3500 livestock in the surrounding area.

ANSWER: Lake **Nyos**

[10] Only three lakes are known to undergo such eruptions: Lakes Nyos and Monoun in Cameroon, and this much larger Rift Valley lake in the eastern DRC, where an eruption would endanger two million people.

ANSWER: Lake **Kivu** <SC>

14. At the start of the twentieth century, Chinese literature took off anew as authors began to abandon the old norms of writing. For 10 points each:

[10] A key figure in the literary renaissance was this author, whose vernacular adaptation of Gogol’s *Diary of a Madman* has a bureaucrat seeing the command to “eat people” in the margins of Chinese classics.

ANSWER: **Lu** Xun [accept **Zhou** Shuren]

[10] One of the major works which helped to inspire Chinese authors was this American novel about a man who dies after being sold to Simon Legree, which was given the title “The Black Slave’s Cry to Heaven” in translation.

ANSWER: ***Uncle Tom's Cabin***

[10] Many new authors and activists involved in the New Culture Movement worked with and read this periodical, whose first title was *La Jeunesse*. It was founded in 1915 by Chen Duxiu.

ANSWER: **New Youth** [accept **Xīn Qīngnián**, do not prompt on just Youth] <JS>

15. For 10 points each, answer the following about gymnasts who have created their own signature moves:

[10] This diminutive American gymnast and 2016 Olympic gold medallist in women’s all-around, vault and floor has her own namesake tumbling sequence, a double flip with a half twist.

ANSWER: Simone **Biles**

[10] However, even Simone Biles refuses to perform this “vault of death” named for a Russian gymnast. With a difficulty score of 7.000, only five women have ever completed it successfully in competition.

ANSWER: **Produnova** vault

[10] Meanwhile, male gymnasts may pull off the tricky “Gaylord”, a manoeuvre on this piece of apparatus. Brit Nile Wilson beat reigning champion Epke Zonderland to a bronze medal on this apparatus at Rio 2016.

ANSWER: **horizontal bar** [or **high** bar or **single** bar, do not accept sets of bars e.g. parallel or uneven, manoeuvre is named for Mitch Gaylord] <EJW>

16. This work has been dubbed the first true “post-Brexit” novel, opening with the referendum result and exploring its effects on the nation’s psyche. For 10 points each:

[10] Identify this 2016 novel about the friendship between 101-year-old Daniel Gluck and his former neighbour Elisabeth Demand, with whom he bonds over their shared appreciation for the pop artist Pauline Boty.

ANSWER: ***Autumn***

[10] *Autumn* is a Man Booker-nominated work by this Scottish author, who interwove the perspectives of a modern-day Cambridge schoolgirl and the Renaissance artist Francesco del Cossa in *How to be both.*

ANSWER: Ali **Smith**

[10] Smith’s breakthrough novel, also Booker shortlisted, is an exploration of grief through the “World” of the staff and guests at one of these places. Jack Torrance accepts a job at one of these places in a Stephen King novel.

ANSWER: **hotel** <EJW>

17. After a day of hard labour, it is time to enjoy the finest leisure long-19th century England has to offer. For 10 points each:

[10] One might fancy watching or betting on this blood sport that sometimes involved affixing a poor creature with metal spurs. The pits, of which there were seven in Newcastle by 1800, were often extremely crowded.

ANSWER: **cock-fight**ing

[10] A popular communal activity at the wakes were these ceremonies. They involved replacing church floors and creating elaborately decorated arrangements up to twelve feet high as a symbol of village solidarity.

ANSWER: **rushcart**s [or **rushbearing**; prompt on any answer involving Rogationtide]

[10] Demand rose for these institutions, a hybrid of the public house and the theatre. Examples included the Canterbury and the Oxford, owned by Charles Morton, who was known as the ‘Father’ of these places.

ANSWER: **music hall**s <LC>

18. For 10 points each, answer the following about cricket pitch maintenance:

[10] Carrying out this procedure ensures a firm, even playing surface. The equipment used for this procedure ranges from a ‘light’ example weighing up to 254kg to a ‘heavy’ example weighing over a ton.

ANSWER: **roll**ing

[10] Undertaking this procedure reduces the density of grass between the two popping creases. This procedure involves the use of a bladed instrument to remove thatch from the playing surface.

ANSWER: **scarify**ing [or **scarification**; accept **de-thatch**ing]

[10] This procedure removes moisture from the pitch surface, minimising the potential for grass disease and also dispersing worm casts. An implement of around 6’ in width is employed for this procedure.

ANSWER: **drag-brush**ing [accept **drag-mat**ting; prompt on **brush**ing] <HO>

19. Anti-corruption campaigns in Saudi Arabia have recently begun targeting even high level princes For 10 points each

[10] A number of important officials and royals were held in house arrest in this hotel from November to late January. Billionaire Prince Alwaleed bin Talal is one of the detainees in this luxury location.

ANSWER: **Ritz-Carlton** Riyadh

[10] The impetus for reform has come from this Saudi Crown Prince, who is taking an active role in his country’s politics and foreign policy.

ANSWER: **Mohammad Bin Salman** (Accept **MBS**)

[10] One odd event in recent Saudi politics was the supposed forced resignation of this Lebanese Prime Minister, which was rapidly followed by a retraction and then a rapid trip to France.

ANSWER: Saad **Hariri** <JS>

20. Paul Cézanne complained that this painting “was horribly like the real thing”. For 10 points each:

[10] Name this painting, said to be inspired by the opening scene of George Sand’s novel *La Mare au Diable*. The title action is performed by twelve Charolais oxen, who work the land in a pastoral landscape.

ANSWER: ***Ploughing in the Nivernais*** [also accept ***Labourage Nivernais*** or any translation that gets anywhere close to describing **plough**ing in/of/related to **Nevers** or the **Nivernais**]

[10] *Ploughing in the Nivernais* is a work by this French artist, best known for her realistic depictions of animals. She has come to be viewed as a pioneering feminist of the 1800s, not least for routinely wearing trousers.

ANSWER: Rosa **Bonheur**

[10] Another painting by Bonheur depicts a “fair” where these animals are being sold. Her depictions were inspired by George Stubbs and Théodore Géricault, who depicted these animals racing in *The Derby at Epsom*.

ANSWER: (Draft) **horse**s <JK>

21. An architect of this medieval kingdom’s success vowed to never eat fruit or spices until he had unified his nation’s archipelago. For 10 points each:

[10] Name this kingdom eventually eclipsed by its core region’s first major Muslim state, the Demak Sultanate. Led at its height by Gajah Mada and Hayam Wuruk, it warred with local powers like the Sunda and Srivijaya.

ANSWER: the **Majapahit** Empire

[10] The Majapahit were based on this island, the centre of resistance movements led by men like Prince Dipanegara, Mohammad Hatta, and Sukarno against a colonial regime based at Batavia.

ANSWER: **Java** [insanely generously prompt on Indonesia]

[10] Raden Wijaya laid the foundations of the Majapahit in 1293 by double-crossing and repulsing an expedition to Java sent by this Mongol ruler, first emperor of the Yuan dynasty, and acquaintance of Marco Polo.

ANSWER: **Kublai Khan** <JS>

22. Heike Kamerlingh Onnes was the first to create this substance, which is required to cool superconducting magnets to their operating temperature. For 10 points each:

[10] Name this substance which undergoes a phase transition to a superfluid below the lambda point.

ANSWER: **Liquid helium** (prompt on a partial answer)

[10] Helium-4 becomes a superfluid at much higher temperatures than helium-3 since its nuclei obey this statistical distribution, as they have integer spin and need not obey the Pauli exclusion principle.

ANSWER: **Bose-Einstein statistics** [accept **Bose** or **Einstein statistics**]

[10] This Soviet physicist discovered superfluidity in liquid helium. The crocodile carved into the Mond laboratory in Cambridge is a reference to his nickname for Ernest Rutherford.

ANSWER: Pyotr **Kapitza** <YY>

23. W.B. Yeats commented “after us the savage God” after seeing the premiere of one play of which this character is the protagonist. For 10 points each:

[10] Name this character, who is “cuckolded” and “in chains” according to the titles of two absurdist plays in which he appears. This character’s best-known play opens with the deliberately mispronounced word “merdre”.

ANSWER: **Ubu** (Roi/King/Cocu/Cuckolded/Enchaine/In Chains)

[10] The play *Ubu Roi* opens with Ubu leading a revolution in this European country. The novel *Quo Vadis?*, published the same year as *Ubu Roi*, was written by Henryk Sienkiewicz [seen-kee-vits], an author from this country.

ANSWER: **Poland**

[10] Alfred Jarry, the creator of Ubu, is one of the few historical figures to appear in this French novelist’s work *The Counterfeiters*. This man also wrote *The Immoralist*.

ANSWER: Andre **Gide** <JK>

24. In Bavaria, curses called *bann* that summoned these animals could be countered with apotropaic charms called *segen*, though sellers were often accused of turning into these animals themselves. For 10 points each:

[10] The 1589 case of Peter Stumpp sparked much interest in people who turn into this animal, and the idea of their weakness to silver emerged soon after. Jacob Grimm recorded superstitions that all such people have unibrows.

ANSWER: **wolves** [also accept **Werewolves** and singular forms]

[10] A town in this country was terrorized by a massive, homicidal wolf from 1764 to 1767. Other beasts from this country’s folklore and include the Tarrasque and the Peluda, and it was the alleged site of the lost city of Ys.

ANSWER: **France** [also accept the **French Republic** or La **République Française**]

[10] In his *Book of Were-Wolves*, this author outlined a theory that historical werewolves were in fact people whose “innate craving for blood” had “broken out.” He more respectably wrote hymns like “Onward, Christian Soldiers.”

ANSWER: Sabine **Baring-Gould** <HO>