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

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Packet 2

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

**Tossups:**

1. **This man killed the charioteer Kebriones by throwing a rock so hard that Kebriones’ eyes fell out. This man had to flee his grandfather’s kingdom of Opus after killing his friend Klysonymos. This man’s eyes are “made to whirl” when a god hits him with an open-palm strike on the back** **and (\*)** knocks off his helmet. During his *aristeia*, this man kills Zeus’ son Sarpedon but Apollo helps Hector kill this man as this man wears another hero’s armor. For 10 points name this man whose death finally rouses Achilles to fight.

ANSWER: **Patroklos** [or **Patroclus**] <JS>

2. **This material was used to enclose a liquid drop and prevent evaporation while under high vacuum in a TEM technique for imaging nanocrystal formation. Hydrazine hydrate has been used to prepare this substance by reduction of its soluble oxide. Dirac cones are invoked to explain the (\*)** massless behaviour of electrons when travelling in this perfect semi-metal. Easily prepared by mechanical exfoliation using two pieces of sticky tape, for 10 points name this substance comprising a single layer of carbon atoms.

ANSWER: **graphene** <EM>

3. **Ernst Kozub was replaced by Wolfgang Windgassen as this character for a studio recording conducted by Georg Solti. This character astutely shouts “That is no man!” after passing through a ring of fire to find a woman sleeping on a rock, with whom he hails “light-bringing love”. This character’s** (\*) “Rhine Journey” and “Funeral March” are often excerpted from the work in which he appears. After this character is murdered by Hagen, his lover Brunnhilde immolates herself, in the final act of *Götterdammerung*. For 10 points, name this slayer of Fafner, who titles the third opera in Wagner’s Ring Cycle.

ANSWER: **Siegfried** <KV>

4. **In 2013, a stuffed toy associated with this company sold out in Hong Kong within hours when one was thrown at C.Y. Leung. After Jesper Brodin took over at this company in 2017, this company acquired odd job app TaskRabbit. This brand faced heavy backlash for editing a woman in her pyjamas (\*)** out ofits advertising in Saudi Arabia. A YouTube video by two Belgian “idiots” began a recent craze in which teens attempt to spend the night in this company’s stores, playing hide-and-seek and sleeping on store displays. For 10 points, name this chain founded by the late Ingvar Kamprad, a mecca for flat-pack furniture.

ANSWER: **IKEA** <EJW>

5. **These objects can be dated using a cross-section method named for Ellis Kerley.** **Richard Jantz created a program for analysing these objects called FORDISC, and William Bass** **established the first of a namesake type of “farm” for studying them in Knoxville. Anzick-1** **is the only known one of these objects from (\*)** the Clovis period, while other critical examples were found in Kennewick and the Ötztal Alps. For 10 points, name these objects studied by forensic anthropologists, one example of which was dubbed “Lucy” by Donald Johanson.

ANSWER: human **bodies** [accept equivalents; accept answers like **bone**s or **skeleton**s; prompt on answers like humans or people that fail to specify dead ones] <EJW>

6. **In one play by this author, the staff of a segregated hospital talk with Bernie and Jack about the death-date of a blues singer. Another play by this author features a kimono-clad drag queen who mentions how one character gave poisoned meat to his neighbour’s dog; that character, Jerry, falls on a** (\*) knife held by Peter. At the climax of another play by this author, a son who allegedly died while swerving to avoid a porcupine is realised to be non-existent by Nick and Honey. For 10 points, name this playwright of *Zoo Story* who wrote of George and Martha’s dinner party in *Who’s Afraid of Virginia Woolf?*.

ANSWER: Edward Franklin **Albee** III <JK>

7. **Don Zagier characterised the prime values of this expression in a ‘one-sentence proof’ – namely, this expression can represent a prime number p if and only if p is not a Gaussian prime, or equivalently if p is 1, or 2 mod 4; a result first proved by Fermat. This expression parametrises the largest member of a primitive (\*)** Pythagorean triple, and this function of x and y is equal to x + iy multiplied by its complex conjugate. For 10 points, give this function of the shorter two sides that the square of the hypotenuse equals, by Pythagoras’ theorem.
ANSWER: **m2 + n2** [or x2 + y2, or a2 + b2, or the same thing in any other variables; or anything saying this is a sum of two squares] <RF>

8. **In this country, the “Butcher of Lyon” recruited mercenaries for a coup unsuccessfully opposed by the Movement of the Revolutionary Left. In 2003, 80 people in this country died during its Gas War, which led to the nationalization of gas reserves. In 2008, this country’s president banned US trade, provoking protests by clothing vendors in (\*)** Cochabamba. That president of this country campaigned on an anti-cocaine, pro-coca platform with his “Movement to Socialism”, and is frequently pictured wearing a poncho. For 10 points, identify this country led by the Aymara Evo Morales.

ANSWER: Plurinational State of **Bolivia** <EJW>

9. **The offices and residence of this country’s President are found in Urugwiro Village, from where this country’s Vision 2020 plan, which aims to make it a middle-income country by 2020, was launched. This country contains the Nyabarongo River, which is claimed as the furthest source of the(\*)** Nile and has the highest proportion of female parliamentarians in the world. A constitutional referendum in this country in 2015 could allow Paul Kagame to stay in power until 2034. For 10 points, name this small Rift Valley country of Africa with capital Kigali.

ANSWER: **Rwanda** <SC>

10. **Concentrations of this ion in cells can be visualised by the Cameleon protein. Low levels of this ion produces a positive bathmotropic effect that can manifest itself in Chvostek’s sign. Benzothiazepines are antihypertensive drugs that function by blocking channels permeable to this ion. Positive lusitropy results from (\*)** SERCA removing this ion from the cytosol faster, so that less is available to bind to troponin. For 10 points, name this divalent ion that activates muscle contraction, of which the main storage site in humans is bone.
ANSWER: **Calcium** (or **Ca2+**) <DJL>

11. **This man wrote that reading G. M. Trevelyan’s books on Garibaldi while at Harrow inspired his views on nationalism. This leader retorted that his country was quite mountainous after a British general claimed he was too influenced by romantic feelings for “mountains and snow.” This leader antagonized a northern neighbor with his “Forward Policy” and pushed for (\*)** Sheikh Abdullah to be made Prime Minister of Kashmir. An attack by Nathuram Godse prompted this man to declare “The light has gone out of our lives”, and in 1947 he described his country’s “tryst with Destiny”. For 10 points name this first Prime Minister of India.

ANSWER: Jawaharlal **Nehru** <JS>

12. **It doesn’t relate to their optical properties, but this quantity sharply decreases with size for gold nanoparticles with diameters less than 50 nanometres. A common laboratory apparatus for determining this quantity places the analyte in a capillary tube that is sealed at one end then placed in a (\*)** heating block. Materials which have a lower value for this quantity than any other mixture of their components are called eutectic. A substances’ solid and liquid phases are in equilibrium at, for 10 points, what temperature that is 0 degrees for water?

ANSWER: **melting point** [or **freezing point**] <EM>

13. **Causa 23 of Gratian’s *Decretum* defends this concept. A Francisco de Vittoria work on the laws of this concept sets out four key problems and cites Innocent IV’s view that it must be “immediate” and “proportionate.” St. Augustine’s *Against Faustus* argued that the obedience of Moses shows** **its divine (\*)** lawfulness. Thomas Aquinas argued that legitimate authority, rightful cause and good intention were the three conditions for a justified form of this concept. For 10 points, name this concept, whose practice is opposed by pacifists.

ANSWER: **war** [prompt on violence] <Tom>

14. **One novel by this author opens with the title character trying to fully “see” a wave from a beach; that character is later overcome when he realises that his front lawn is infinite. Another of this writer’s works describes how coloured strings between houses represent relationships in the town of Ersilia; that novel includes conversations between** (\*) Marco Polo and Kubla Khan. This author of *Mr Palomar* wrote another work describing how You fail to get beyond the opening chapters of several novels. For 10 points, name this Italian author of *Invisible Cities* and *If On A Winter’s Night a Traveller*.

ANSWER: Italo **Calvino** <JK>

15. **One member of this team shouted ‘don’t you ever talk about me!’ in an interview after breaking up a pass intended for Michael Crabtree. That player was part of this team’s ‘Legion of Boom’. At one of this team’s games, noise from the crowd registered as a small earthquake as they celebrated a Marshawn (\*)** Lynch touchdown in a Wild Card game. This team were prevented from winning Super Bowl XLIX [49] when Russell Wilson’s goal line pass was intercepted by Malcolm Butler of the New England Patriots. For 10 points, name this NFL team who are coached by Pete Carroll and who play their home games in Seattle.

ANSWER: Seattle **Seahawks** [accept just **Seattle** before mention] <Theo>

16. **A legendary figure from this region called the Smith of Köchel** **was said to have led a 1705 uprising in this region crushed in Sendling’s Night of Murder. The Treaty of Teschen ended a civil war in this region, and one general tricked his own Dutch allies to cover a march to this region to meet Eugene of Savoy. (\*)** In this site of the horrific Potato War, the Duke of Marlborough won the critical Battle of Blenheim. For 10 points name this region of Germany, ruled for much of its history by the Wittelsbach dynasty from Munich.

ANSWER: **Bavaria** [or **Bayern**] <SC>

17. **One work of this type opens with Thomas Ken’s “Awake, my soul, and with the sun”, and incorporates a poem from Blake’s *Songs of Innocence*. The Mahabharata features in a work of this type alongside Kipling’s “Hymn Before Action”, having opened with marching feet and a piccolo solo. (\*)** Nine poems by Wilfred Owen appear in a form of one of these works by Benjamin Britten, and Jackie Kennedy commissioned Leonard Bernstein to write one featuring “I Go On” before the Sanctus. For 10 points, name these musical compositions that open with a Kyrie and end with the Agnus Dei.

ANSWER: **Mass** [accept **Requiem**] <LC>

18. **A religious figure from this country with the epithet “wonder of the age” revived religiosity in it with his *Epistles of Light*. Worship in a sect from this country centers on communal prayers called the *cem*** [JEM]**. That sect uses scriptures called the *buyruks*** [BOY-rooks] **and is led by *dedes*. (\*)** The founding of a group based in this country was inspired by blacksmiths striking anvils. Thisis the country of origin of a charter school-happy group called the “Service Movement.” For 10 points, name this birthplace of Fethullah Gülen and home of the Mevlevi Order’s “whirling dervishes.”

ANSWER: the Republic of **Turkey** <JG>

19. **In the build-up to one of these events, a politician left a sports stadium to the crowd’s chants of “Elliott.” A supporter of one of these events attacked opponents of it as “Yvettes,” and a Clarity Act was introduced after one of them when the ambiguity of its central question was highlighted by** (\*) Stéphane Dion. “Money and the ethnic vote” were blamed for the failure of one of these events by Jacques Parizeau. In 1995, Lucien Bouchard’s Yes campaign failed in the second of these events. For 10 points, name these public votes concerning the political status of a majority French-speaking Canadian province.
ANSWER: **referenda** on **Quebec** sovereignty [accept **vote**s on **Quebec** independence] <HO> (The politician in the first clue was Pierre Elliott Trudeau, and the “supporter” in the second was Lise Payette)

20. **One character in this work performs in the play *Sunset at the Globe Salon*, while another writes banjo music for a chamber opera about Byron in Italy. The protagonist of this novel sleeps with Bev despite finding her unattractive, and is relieved when his surname is misspelled in a report about Pollux’s gang (\*)** breaking into his daughter Lucy’s farm, raping her and setting him on fire. Earlier in this novel, that protagonist is fired from his job for sleeping with his student Melanie Isaacs. For 10 points, name this novel about Professor David Lurie’s decline, written by J.M. Coetzee.

ANSWER: ***Disgrace*** <EJW>

21. **A recent Rolf Wallin string quartet is titled for these animals, whilst a recording of them features in the third movement of Rautavaara’s *Cantus Arcticus*. Orlando Gibbons wrote a madrigal titled for a silver one of these animals, and one laments that he is** (\*) “now black and well roasted” in the aria “Olim lacus colueram”. The sight of a group of these animals inspired a theme in Sibelius’ 5th Symphony. A character in a Wagner opera leaves Brabant in a boat drawn by these animals after revealing his name is Lohengrin. For 10 points, name this bird into which Rothbart transforms Odette in a ballet by Tchaikovsky.

ANSWER: **swan** <KV>

22. **Reed Browning examined the political and constitutional ideas of the “court” group of these people. H.T. Dickinson described the ‘supremacy’ of this group of people in one work, while Linda Colley analysed how another group responded to the “oligarchy” of *this* group.** (\*) William Pulteney was a prominent member of the ‘patriot’ group of these people. A historiographical approach named for this group views the past as a progression towards liberty and enlightenment. For 10 points, name this group of politicians associated with a namesake Junto who often opposed the Tories in the 18th century.

ANSWER: **Whig**s <HO>

[Note to moderator: emphasise the words “title” and “subtitled” each time you read them in the second sentence]

DESCRIPTION ACCEPTABLE

23. **Kehinde Wiley replaced the main figure of a work titled for this action with an African-American man in camouflage slacks and Timberland boots. Salassians attack figures in the foreground of a work subtitled for this action that shares a title with a work subtitled *Steam-Boat Off a Harbor’s Mouth*. (\*)** A rock inscribed KAROLUS MAGNUS IMP appears next to a figure performing this action, which Turner depicted under the dark clouds of the title *Snow Storm*. For 10 points, name this action performed by a heroic equestrian Napoleon in a work by David.

ANSWER: **crossing the Alps** [accept any answer involving an action going **across** or **over the Alps**; prompt on answers like riding a horse; anti-prompt on any answer that gives Napoleon or Hannibal or their respective armies doing it] <JG>

24. **A response to this poem complains of the poet’s overuse of “coruscating metaphor”. One concept inspired by this poem is rolled “toward some overwhelming question” in *The Love Song of J. Alfred Prufrock*; that is a reference to this poem’s narrator rolling “all our sweetness** (\*) up into one ball”. This poem describes how “my vegetable love should grow / vaster than empires, and more slow”; later, the narrator of this poem hears “time’s winged chariot hurrying near”. For 10 points, name this *carpe diem* poem opening “Had we but world enough and time”, a work by Andrew Marvell.

ANSWER: “**To His Coy Mistress**” <JK>

**Bonuses:**

1. In a climactic scene set in this town, a note is revealed to contain the addendum “some day, for your sins you will die and go to Hell or [this town] – try and make it the former”. For 10 points each:

[10] Name this town, whose 19 upstanding couples end up squabbling over a sack containing $40,000 in gold coins.

ANSWER: **Hadleyburg**

[10] *The Man That Corrupted Hadleyburg* is a short story by this author of *The Adventures of Huckleberry Finn*.

ANSWER: Mark **Twain** [or Samuel Langhorne **Clemens**]

[10] In the Twain short story *The Celebrated Jumping Frog of Calaveras County*, a gambler with this forename loses $40 after his pet amphibian is fed lead shot. A slave with this name accompanies Huckleberry Finn on his travels.

ANSWER: **Jim** (Smiley) <JK>

2. While you’re in Cambridge, why not pop down to the Fitzwilliam and take a look at the art? For 10 points each:

[10] If you’d been here last month, you could have visited a special exhibit of this artist’s works. It included many pastels of women bathing or performing ballet, and a version of his Little Dancer sculpture.

ANSWER: Edgar **Degas**

[10] Former curator of the Fitz Sir Sydney Cockerell had a close relationship with this English artist of *The Golden Stairs* and *The Beguiling of Merlin*, meaning the museum holds a vast collection of this man’s sketchbooks and archives.

ANSWER: Sir Edward Coley **Burne-Jones**

[10] The Fitz is also home to this other iconic Pre-Raphaelite painting, depicting two emigrants shielding themselves from the wind as they head off to start a new life in Australia with their baby.

ANSWER: *The* ***Last of England*** <EJW>

3. A bronze statue of this artist by Philip Jackson now stands in Brompton Barracks in Chatham, although it was originally housed in the main concourse of Waterloo station. For 10 points each:

[10] Name this painter, the official artist for Elizabeth II’s coronation. He is perhaps better known for his anti-Nazi works from World War II, and those of steam locomotives.

ANSWER: Terence Tenison **Cuneo**

[10] In tribute to Cuneo’s trademark, Jackson’s statue featured one of these animals under a book. Beatrix Potter adorned her children’s books with many illustrations of this animal, like on the cover of *The Tailor of Gloucester*.

ANSWER: **mice** [accept **mouse**]

[10] Cuneo painted this train designed by Sir Nigel Gresley in three works. It was the first train to reach 100 miles per hour in 1934, and a 2004 NRM campaign to restore this engine confirmed its status as a national treasure.

ANSWER: The **Flying Scotsman** [accept **LNER Class A3** then either **1472**, **4472**, **502**, **103**, or **60103**] <LC>

4. Crank up the R.E.M. as you answer some questions about eschatological myths, for 10 points each:

[10] Surtr will burn much of the world during this bloody twilight of the gods as, for example, Thor and the Midgard Serpent kill each other. Two humans, Lif and Lifthrasir, will survive by hiding in Hoddmímis holt.

ANSWER: **Ragnarök**

[10] It would probably have been the end of the world as the Egyptians knew it if Ra and Set ever failed to thwart this giant, flint-headed serpent’s nightly attack on the Solar Barge.

ANSWER: **Apep**i [or **Apophis**]

[10] In Inuit mythology, the world will end when this wandering trickster hero who outwitted the murderous Bee Woman dies. At the moment he still wanders the icy North, but he’s now so old his cheeks have turned to stone.

ANSWER: **Kiviuq** <SR>

5. These quaternary proteins are generated by B cells in the adaptive immune response. For 10 points each:

[10] Name these proteins, whose Fab region binds to antigen and whose Fc region binds to Fc receptors on effector cells. They are also known as immunoglobulins.

ANSWER: **Antibodies**

[10] Since Fc receptors, such as FcγRI, may be found on macrophages, antibodies can be considered one of these molecules that enhances the process of phagocytosis. This name derives from the Greek for “to prepare for eating”.

ANSWER: **Opsonins**

[10] This Gram-positive bacterium prevents the generation of the opsonin C3b with its namesake ‘complement inhibitor’. A methicillin-resistant form of this bacterium causes several difficult-to-treat infections in humans.

ANSWER: ***Staphylococcus aureus*** (accept ***S. aureus***) <DJL>

6. Gaps in one of these structures surrounding HL Tau were recently imaged by ALMA. For 10 points each:

[10] Identify these axisymmetric structures. Material from these structures can accrete on to a young stellar object such as a T Tauri star.

ANSWER: **protoplanetary disk** [accept **proplyd**, prompt on disk, do not accept “debris disk”]

[10] In protoplanetary disks, this quantity is dissipated as material flows on to the central star. This quantity is equal to the product of moment of inertia and angular velocity, and its time derivative is the torque.

ANSWER: orbital **angular momentum**

[10] In a binary system, protoplanetary disks can overfill this region, named for a French astronomer, in which material remains gravitationally bound to one star. Its apex is at the L1 Lagrangian point of the binary system.

ANSWER: **Roche lobe** [do not accept “Roche limit” or “Roche sphere”] <MN>

7. Since Stevens is unlikely to be able to assist in these matters, he needs you to help him out. For 10 points each, answer some questions on history in Kazuo Ishiguro’s *The Remains of the Day*.

[10] Stevens briefly mentions this politician as having remarked that the silver at Darlington Hall was “probably unrivalled”. Far more interested in the visit of Lord Halifax, he fails to mention this woman’s profession altogether.

ANSWER: Nancy Witcher Langhorne, Viscountess **Astor**

[10] In this year, Stevens is interrogated by Lord Darlington’s friends on current affairs. After failing to comment on American debts, he cannot interpret a speech from this year by Laval on the situation in North Africa.

ANSWER: **1935**

[10] The dining room plays host in Stevens’s manipulated memories to an unofficial conference that he claims could have revised the harshest terms of this treaty, signed following the Paris Peace Conference in 1919.

ANSWER: Treaty of **Versailles** <LC>

8. The substituents on these functional groups are exchanged in metathesis. For 10 points each:

[10] Name these functional groups which comprise a carbon-carbon double bond.

ANSWER: **alkenes** [or **olefin**s]

[10] Although Schrock’s catalyst is more active, this ruthenium-based catalyst is often preferred for alkene metathesis reactions because of its greater stability towards air and water.

ANSWER: **Grubbs’** Catalyst

[10] The second generation of Grubbs’ catalyst contains one of these electron-deficient compounds as a ligand. Anthony Arduengo generated early ones of these compounds based on imidazole rings.

ANSWER: **N-heterocyclic carbene**s [accept **NHC**s, prompt on carbenes or persistent carbenes] <EM>

9. In one poem in his collection *Songs of Life and Hope*, this poet described Roosevelt as “a Professor of Energy” and “Alexander-Nebuchadnezzar”. For 10 points each:

[10] Name this Nicaraguan author, a pioneer of modernismo whose other poems include *Symphony in Gray Major*.

ANSWER: Ruben **Dario**

[10] This collection by Dario is credited with establishing the modernismo style. It includes sections like“The Lyrical Year”, as well as such characters as Walt Whitman, Queen Mab and Puck.

ANSWER: ***Azul***… [or ***Blue****…*]

[10] Dario frequently used this bird as a symbol for both love and for himself, as in a poem where he noted that this bird “only sings just before dying”. WB Yeats discussed wild examples of these birds “at Coole”.

ANSWER: **swan**s <JK>

10. Walter Pater asserted that to burn with a “hard, gemlike flame, to maintain this ecstasy, is success in life” in the controversial conclusion of a renowned essay collection on this period. For 10 points each:

[10] Name this period, described in that study as “productive in personalities, many-sided, centralised, complete.” The “continuity thesis” holds that it did not break as significantly with previous eras as often believed.

ANSWER: the **Renaissance** [prompt on the Scientific Revolution as the continuity thesis concerns that too]

[10] Sections of Pater’s *The Renaissance* on “Sandro Botticelli” and “The Poetry of Michelangelo” were primarily influenced by the events of the Renaissance in this city, where the Medicis patronised many artists and thinkers.

ANSWER: **Firenze** [or **Florence**]

[10] Discussing similar issues to Pater, this Swiss historian pioneered cultural history in his monumental 1860 work *The Civilisation of the Renaissance in Italy*.

ANSWER: Carl Jacob Christoph **Burckhardt** <JK>

11. This object is from the “Fides” brand, and is repurchased after a family’s bedsheets are pawned. For 10 points each:

[10] Name this object. This object allows the protagonist of the film in which it appears to gain work distributing advertising posters; that film revolves around Bruno and his father’s search for this object.

ANSWER: The (first) **bicycle** from ***Bicycle Thieves***[or *The* ***Bicycle Thief***, or ***Ladri di bicciclette***, accept **Antonio**’s **bicycle** or **Ricci’s bicycle** and word forms; prompt on **bicycle**, asking for the film]

[10] *Bicycle Thieves* is perhaps the best-known work by this Italian director, whose other films include *Sciuscia* and *Umberto D*. He often collaborated with Cesare Zavattini.

ANSWER: Vittorio **De Sica**

[10] Along with Roberto Rossellini, De Sica pioneered a genre of film known as the “neo-” type of this wider artistic movement. It generally seeks to portray subjects as truthfully as possible, without artificiality.

ANSWER: (Italian neo-) **Realism** <JK>

12. In all the excitement of Brexit, most English people forgot to consider one important issue. For 10 points each:

[10] This construct was one of the EU’s three key “divorce issues” along with a financial settlement and the rights of EU citizens. This 500km-long construct runs from Lough Foyle to Carlingford and has allowed free passage of people since 1923.

ANSWER: The **Irish border**

[10] The best-case scenario would see the institution of a customs border, with minimal physical obstructions. The gold standard for that model is the border between these two countries, visited by Wills and Kate earlier this month.

ANSWER: **Norway** and **Sweden**

[10] A far more extreme option is Nigel Farage’s idea for an “Irexit”. Farage called for a “public debate” on the issue – then refused to debate this Fine Gael politician and Vice President of the European Parliament when she offered.

ANSWER: **Mairead McGuinness** [prompt on McGuinness] <EJW>

13. For 10 points each, name some German-language authors who left works unfinished upon their deaths:

[10] This author's death from typhus at the age of 23 prevented him from adding a third act to his play *Woyzeck*, which was later presented in a “finished” version by Karl Emil Franzos.

ANSWER: Georg **Büchner**

[10] This Austrian author similarly never managed to write a definitive ending to his novel *The Man Without Qualities*, with modern editions typically featuring several of his aborted drafts in the appendix.

ANSWER: Robert **Musil**

[10] After this author died of tuberculosis, his friend Max Brod took care of his effects. Among works left unfinished on his death in 1924 were *Amerika*, *The Castle* and *The Trial*.

ANSWER: Franz **Kafka** <HO>

14. This piece may have been inspired by Mozart’s Piano Sonata No. 14, as it shares an almost identical theme in its Adagio 2nd movement. For 10 points each:

[10] Name this piano work, which opens with a fortepiano tonic chord, and features a repeated Mannheim Rocket motif, accompanied in the first movement by tremolo octaves in the left hand.

ANSWER: **Sonata Pathétique** [accept **Piano Sonata No. 8**; do not accept or prompt on “Symphonie Pathétique”!]

[10] The Sonata Pathétique is a work by this German composer, whose other piano works include the “Hammerklavier” and “Moonlight” sonatas.

ANSWER: Ludwig Van **Beethoven**

[10] The Sonata Pathétique is in this key, which Beethoven favoured for his most dramatic works. The funeral march from his Eroica Symphony is in this key, as is his Fifth Symphony.

ANSWER: **C Minor** [do not accept or prompt on just “C”] <Tom>

15. This event was intended to force Hector Campora from office, and although the official death toll was 13, the real figure is believed to be much higher. For 10 points each:

[10] Name this June 1973 event in which a crowd of left-wing youths, as well as members of the Montoneros, were shot dead by snipers at an international airport.

ANSWER: the **Ezeiza** massacre

[10] The Ezeiza massacre took place shortly after this man arrived at the airport, after 19 years of exile in Spain. This Argentine general and President was supported by his wife Evita during his first term.

ANSWER: Juan **Peron**

[10] Soon after the Ezeiza massacre, this period of state terrorism began, in which the Argentine government openly killed or “disappeared” around 30,000 left-wing guerrillas, students and journalists.

ANSWER: the **Dirty War** [or La **Guerra Sucia**; prompt on Operation Condor] <JK>

16. This philosopher’s constructivist ideas about mathematics led him to conclude that not all real numbers have a decimal expansion. For 10 points each:

[10] Name this Dutch mathematician and philosopher, whose rejection of the law of the excluded middle was central to his idea of mathematical intuitionism, which clashed with Hilbert’s concept of formalism.
ANSWER: Luitzen Egbertus Jan ‘Bertus’ **Brouwer**

[10] Both Brouwer and Hilbert disagreed with this German thinker’s “logicist” view of mathematics, in which regard he wrote *The Foundations of Arithmetic* and pioneered his *Begriffsschrift* system of logic.
ANSWER: Friedrich Ludwig Gottlob **Frege**

[10] Frege’s work inspired this British philosopher’s *Principia Mathematica*, which he co-wrote with Alfred North Whitehead. He also wrote *On Denoting* and *A History of Western Philosophy*.
ANSWER: Bertrand Arthur William **Russell**, 3rd Earl Russell <JK>

17. Writer Bob Stewart claimed that this 1955 song contained “the fountainhead of British pop,” namely an accelerating section with the words “I fooled you - I fooled you - I got pig iron - I got pig iron”. For 10 points:

[10] Name this first major hit for Lonnie Donegan, a cover of an American folk song about the namesake “mighty good road.” Lead Belly was an early popularizer of this song.

ANSWER: “**Rock Island Line**”

[10] *Rock Island Line* was the first commercially successful British record in this genre, which was pioneered by Lonnie Donegan and Ken Colyer. It was often performed on improvised instruments like washboards and jugs.

ANSWER: **Skiffle** (revival)

[10] A 1957 home recording of Lonnie Donegan’s song “Puttin’ on the Style,” performed by the Quarrymen, is believed to be the earliest surviving recording of this Beatle singing. He was shot by Mark Chapman in 1980.

ANSWER: John **Lennon** <JK>

18. Russia, unsurprisingly, has a lot of very long rivers. For 10 points each:

[10] This river, the longest in Europe, is the longest in Russia west of the Urals, and is the major water source for the Caspian Sea.

ANSWER: **Volga**

[10] For really big Russian rivers, though, you need to head east of the Urals, where you’ll find this river, the westernmost of the big three Siberian rivers, which drains into its namesake gulf, the world’s longest estuary.

ANSWER: **Ob**-Irtysh [accept **Obi**]

[10] The furthest east of the big three rivers of Siberia is this one, which has the largest drainage basin entirely within the borders of Russia.

ANSWER: **Lena** <SC>

19. This body of writing comprises 547 poems, some of the most popular of which include “Vessantara,” “King Sibi,” “The Talkative Turtle,” and “The Golden Mallard.” For 10 points each:

[10] Name this division of the Pali Canon in Theravada Buddhism used as moralistic stories and guides for rulers and ordinary people, consisting of fables involving the past lives of the Buddha.

ANSWER: The **Jataka** Tales

[10] Jataka tales are intricately carved into each of the *torana* gates of the Great Sanchi one of these hemispherical structures. Tibet has eight types of them, and famous ones include the Shwedagon Pagoda and Borobudur.

ANSWER: **stupa**s [prompt on but DO NOT OTHERWISE REVEAL answers like reliquaries]

[10] Stupas generally serve to hold this type of religious object, which are called Śarīra in Buddhism and typically consist of the remains of a renowned monk. One of the most famous is a tooth of the Buddha kept in Kandy.

ANSWER: **relic**s <JS>

20. Answer some questions about Native American speech-making, for 10 points each:

[10] This Suquamish chief compared how his people and white Americans treat their dead and warned that “the dead are not powerless.” He became the namesake of Washington state’s largest city.

ANSWER: Chief **Seattle**

[10] According to C.E.S Woods, this Nez Perce chief declared “I am tired; my heart is sick and sad. From where the sun now stands, I will fight no more, forever” after failing to escape from Nelson Miles’ forces into Canada.

ANSWER: Chief **Joseph** [or **Hinmatóowyalahtqit**]

[10] This chief’s “lament,” in which he declares “who is there to mourn for [him]? Not one,” was widely circulated in colonial press after Lord Dunmore’s War, which he helped trigger after settlers murdered much of his family.

ANSWER: Chief **Logan** (who was a staunch ally of British settlers until the Yellow Creek Massacre in which settlers killed much of his family for absolutely no good reason) <JG>

21. It’s not *A Midsummer Night’s Dream*, but Theseus and Hippolyta figure prominently in this play. For 10 points each:

[10] The title characters fight to win Emilia’s hand in this Jacobean play likely co-written by John Fletcher. Three queens plead with Theseus and Hippolyta to avenge their husbands’ murders by Creon in this play’s opening.

ANSWER: *The* ***Two Noble Kinsmen***

[10] In *The Two Noble Kinsmen*, some countrymen perform this action for Theseus and Hippolyta. During their preparations, it becomes apparent that one needs a “taborer” and “ribands” to perform this action.

ANSWER: **morris dancing**

[10] The Prologue to *The Two Noble Kinsmen* credits this author, because the plot is taken from this Middle English author’s “Knight’s Tale”.

ANSWER: Geoffrey **Chaucer** <EJJL>

22. Unlike electrical charge, this charge comes in three varieties. For 10 points:

[10] Name this type of charge used to explain the strong interaction between quarks.
ANSWER: **colour** charge
[10] It is hypothesised that only particles with no net colour charge can exist independently, explaining why we don't observe free quarks. This phenomenon is known by this name.
ANSWER: colour **confinement** (accept quark **confinement**)

[10] These theorised particles are agglomerations of gluons held together by the strong force. Colour confinement does not rule out their existence, but they have not been confirmed experimentally.
ANSWER: **glueballs** <FHR>

23. For 10 points each, answer some questions on early medieval British leaders, not all of whom were English:

[10] This late-9th century king of Wessex is the only English king to be dignified with the epithet ‘the Great’ for his success in stemming the Viking onslaught and only giving them half the country as the Danelaw.

ANSWER: **Alfred** the Great [also accept “the **wise elf**”]

[10] This 10th century ruler created the kingdom of Deheubarth [deh-HAY-barth] and leveraged his submission to Athelstan to unite most of modern Wales. His namesake law code was the basis of Welsh law before the Edwardian conquest.

ANSWER: **Hywel** Dda [accept **Hywel the Good** or **Hywel ap Cadell** but do not accept or prompt on “Hywel ap Rhodri Molwynog/Hywel, Son of Rhodri the Bald and Grey”]

[10] The terms “Scots” and “Scotland” were first applied to the region during the reign of Hywel Dda’s contemporary Constantine II, the first ruler to be called “King of Alba” rather than “King of” these people.

ANSWER: the **Pict**s [also accept the toponyms **Pictland** or **Pictavia**; prompt on Caledonians as it’s unclear how much the later term “Picti” overlaps with earlier Roman authors’ use of “Caledonii”] <SC>

24. This thinker was not only a Quebec separatist, but also wanted Toronto to break away from Ontario, believing that cities had to be politically separate to thrive. For 10 points each:

[10] This author of *The Death and Life of Great American Cities* attacked urban renewal for not respecting citizens’ needs, and fought Robert Moses over plans to redevelop her neighbourhood, Greenwich Village.

ANSWER: Jane **Jacobs**

[10] In *Death and Life*, Jacobs argued for the value of networks using the “social” form of this concept, as discussed by Robert Putnam in *Bowling Alone*. In economics, this term refers to wealth in money or assets.

ANSWER: social **capital**

[10] *Death and Life* heavily critiques “orthodox urbanism”, using examples like the Garden City movement founded by this British urban planner. This thinker’s ideas later influenced the post-war New Towns and EPCOT.

ANSWER: Ebenezer **Howard** <EJW>