

## OOT 2019: A Pope for Every Packet

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### THE ANSWER TO THE LAST TOSS-UP SHOULD HAVE BEEN: **Spanish Flu**

#### Packet 4

#### **Toss-ups:**

1. Nancy Chodorow argued that this concept cannot be fully explained by social learning and is partially the result of dominant parenting practices. Elizabeth Spelman argues that ‘realists’ of this concept commit a form of ‘white solipsism’. Catherine Mackinnon developed a ‘theory of sexuality’ approach to this concept. One work partially titled for this concept critiques Foucault’s interpretation of Hercule Barbin’s journal and claims this concept is ‘performative’ in nature. In modern feminist thought, this concept is often contrasted with sex. For 10 points, name this concept, the range of characteristics pertaining to masculinity and femininity.

ANSWER: **gender** <GDC>

2. In a play by this author, a chorus from Salamis repeatedly proclaims their allegiance to the title character. In another work by this author, Theseus thwarts a kidnapping attempt by a rival ruler. At the end of that play, the protagonist’s tomb in the Grove of the Eumenides [you-MEN-id-eez] protects Athens; that play is named for an Athenian suburb. Another work by this author begins with two sisters meeting secretly, one of whom is later buried alive as a punishment for the burial of her brother Polyneices [poll-ee-NICE-eez]. For 10 points, name this Classical Athenian author of *Oedipus at Colonus*, *Antigone*, and *Oedipus the King*.

ANSWER: **Sophocles** <AH>

3. Bakhtiyar Khalji launched a failed invasion of this region during its medieval Era of Fragmentation. Later, the founder of one dynasty overthrew the dpon-chen administrators housed at Sakya in this region. The Yongle emperor attempted to establish close relations with the Karma Kagyu here during the reign of the Phagmodrupa Dynasty, but the rulers of this place allied with the Mongols instead, culminating when Altan Khan granted a title derived from the word for ‘ocean’ to the leader of the Yellow Hat school of Buddhism. For 10 points, name this region in which the two predecessors of Sonam Gyatso were posthumously named the First and Second Dalai Lamas.

ANSWER: **Tibet** <CJ>

4. Zurab Tsereteli designed a sculpture for one of these places that was criticized as ‘an insensitive, self-aggrandizing piece of pompousness by one of the world’s blatant self-promoters’. Two other sites of this kind are one titled *Postcards* and a hollow plate-glass column designed by Henry Richardson. One of these places, entitled *Reflecting Absence*, drew criticism for its minimalistic design of waterfalls into two recessed pools and rows of white oak trees. An installation that serves as one of these things consists of eight-eight searchlights lit for twenty-four hours each year from a parking garage in the Battery. The *Tribute in Light* sends two beams into the sky above Lower Manhattan as one of, for 10 points, what sites of remembrance for a 2001 terrorist attack?

ANSWER: **9/11 memorials** [accept **September 11**, 2001 **memorials**, do NOT accept ‘Ground Zero’ or equivalents] <CJ>

5. A 17-year-old runaway named for this character insists she is not Matisse’s *Odalisque in Red Trousers* in a 1987 novel by Leila Sebbar. John Barth appears in the narrative to give this character some advice in his *Chimera* trilogy’s first section, which is titled for this character’s sister. In another work, this character’s father tries to dissuade her from marrying by telling her about a merchant who can understand animals. This daughter of a vizier

describes a man hiding in a tree and watching a group of thieves enter a cavern with the phrase 'open sesame', one of a series of stories stopped halfway through to delay her execution. For 10 points, name this character who tells stories about Ali Baba and Aladdin in *The Arabian Nights*.

ANSWER: Scheherazade [accept Šahrazād, Sherazade, or Sherry] <IB>

6. Doodson numbers are a system for labelling harmonics in the solution to Laplace's equations governing this phenomenon. Internal examples of these phenomena can occur when baroclinic currents caused by them occur above mid-ocean ridges and are an important contribution to abyssal mixing. The Ballantine scale is a measure of exposure of regions within a zone sometimes named for this phenomenon. That zone is inhabited by species like *Alaria esculenta* and is called the eulittoral zone. Taking the Sun's gravity into account gives an extra contribution to these phenomena resulting in the spring or neap varieties of these phenomena. For ten points what phenomena causes the water level to rise and fall throughout the day due to the gravitational pull of the moon?

ANSWER: tides <JR>

7. An artist from this country painted self-portraits 'with a red scarf' and 'with a horn'. A tied-up man with amputated arms appears in a triptych by that artist which depicts a fishing boat in the central panel, while another man with an amputated arm stands in front of a nude mannequin in another artist from this country's *Self-Portrait As a Soldier*. An artist from this country, home to the painter of the *Departure* triptych, was inspired by his time fighting in the trenches to paint his *War* triptych. Artists from this country founded the New Objectivity movement and used a woodblock print to publish the manifesto of The Bridge. For 10 points, name this country home to Ernst Kirchner and Otto Dix, who was labelled 'degenerate' by the Nazi party.

ANSWER: Germany [or Deutschland] <IB>

8. The scherzo of this composer's only symphony opens with an oboe solo over pizzicato quavers in the upper strings, while MacKerras arranged this composer's music into the ballet *Pineapple Poll*, including from their *Overture di Ballo*. Alfred Cellier arranged overtures for operas of this non-Stanford composer of an 'Irish' Symphony, who repurposed their incidental music to *Henry VIII* for an opera featuring Aline and Alexis. 'Fair moon, to thee I sing' opens the second act of another of this composer's operas, and is overheard by Buttercup, an ex-babyfarmer. The Englishman Ralph, the apprentice pirate Frederick, and Major-General Stanley are, for 10 points, characters in comic operas by which English composer, the collaborator of W.S. Gilbert?

ANSWER: Arthur Sullivan [do NOT accept 'Gilbert and Sullivan'] <AP>

9. A pledge in this election involved getting under-25s into work using a windfall levy on privatised utilities. Ian McAllister argues that a minority party that spent more money at this election than either of the main parties could have cost the Conservatives up to 16 seats, but that party's leader, who stood in Putney at this election, lost their deposit. James Goldsmith led the Referendum Party into this election, and a poster used in this election depicted the leader of one party with red eyes. The Defence Minister prior to this election lost their seat at Enfield Southgate, which led to the coining of the question 'were you up for Portillo?'. For 10 points, name this British election, which saw Tony Blair as PM for the first time.

ANSWER: 1997 election <GDC>

10. Dynasties that ruled one city in this modern day country include the Shakkanakku and the Lim. Excavations on the Ras Shamra headland in the 1920s in this country discovered a text that has many parallels with the Book of Daniel. A stele now in the Louvre found at a non-Greek city in this modern day country shows a storm god striking the ground with a spear sprouting vegetation; that god is Baal Hadad. One battle fought in this country saw the forces from a realm to the north driven back against the Orontes river in a victory for Ramesses II. Home to sites such as Mari, Qadesh and Ugarit, for 10 points name this country, where many sites along the Euphrates have been looted during its ongoing Civil War.

ANSWER: Syria <OSC>

11. One use of a type of these objects was pioneered in a survey named for Calan and Tololo. In that use, the Phillips relation relates their luminosity to features of their spectrum. These objects were classified by Minkowski and Zwicky, and their second type is distinguished by the presence of hydrogen lines in the spectrum. These objects can remain luminous for over a year due to the decay of Nickel-56. A subclass of the first type of these objects is caused by accretion of matter from a binary partner onto a white dwarf. Those Type 1a types of these objects have been used as standard candles. For 10 points, name these powerful stellar explosions.

ANSWER: supernovae [accept supernovas; accept specific types such as type 1a supernova before mention; do NOT accept “nova”] <LW>

12. In one work, this character laughs as he drinks bitter coffee after making it like Hopkins used to, and tells a creature to ‘fly away somewhere’ in the first of only three lines of dialogue. This character watches his father perform a C-section on a woman before discovering that her husband has slit his throat on the top bunk of the same bed in the story ‘Indian Camp’. This character observes blackened grasshoppers and catches a trout in a ‘burned-over’ landscape in a story exemplifying the author’s Iceberg Theory titled ‘Big Two-Hearted River’. For 10 points, name this subject of a series of stories by Ernest Hemingway, who shares his first name with the narrator of F. Scott Fitzgerald’s *The Great Gatsby*.

ANSWER: Nick Adams [accept either underlined portion] <IB>

13. John Haugeland argued that this man’s theory of mind ‘prophetically launched Artificial Intelligence’. This philosopher claimed that Peter Lombard and John Duns Scotus wrote like ‘two of the most egregious blockheads in the world’ for arguing that ‘the human soul, separated from man, subsists by itself’. This philosopher rejected the notion of a summum bonum and claimed that avoiding the ‘greatest evil’ or fear of death was the goal of a political community. In their most famous work, this philosopher claimed that to avoid a ‘war of all against all’ the Sovereign must be all powerful. For 10 points, name this English philosopher who wrote *Leviathan*.

ANSWER: Thomas Hobbes <GDC>

14. Two answers required.

A horse named Tauris gifted by one of these two leaders to the other was later ridden into several of his cities during an invasion. One of these two leaders decided to curb the other’s power after hearing that he had arrested the Duke of Enghien [on-GAN] from Baden [BAH-den], his wife’s home town. One of these two leaders ceded the Ionian islands to the other, and agreed to his Continental System, as part of a treaty they signed on a raft on the Niemen river at Tilsit. That river was later crossed as one of these two leaders invaded the other’s country, winning a battle at Smolensk but eventually retreating as winter drew in. For 10 points, name these two early nineteenth-century leaders, a French emperor and a Russian tsar.

ANSWER: Tsar Alexander I of Russia and Napoleon Bonaparte <IB>

15. A traditional practice by people in this region is the *olamayo*, which will give those who carry it out greater prestige during the initiation of the new generation of *Morans* and is restricted to only healthy targets. An extensive vaccination programme led to the eradication of rinderpest from this region in the 1960s, which had killed many of that people’s main food source, two products from which are mixed to prepare *asaroi*. The animal at the centre of the *olamayo* ritual also saw much of its prey, wildebeest and buffalo, decline because of rinderpest and is now threatened by CDV and rabies introduced by domestic animals. For 10 points, name this savanna region, home to the Maasai and world’s largest population of lions.

ANSWER: Serengeti <LC>

16. A Pulitzer-nominated memoir about this condition was written by Marya Hornbacher. In another book, Maud Ellmann examines this condition in relation to the ‘language of protest’ against various forms of imprisonment. Hilde Bruch’s book ‘The Golden Cage’ is a prominent study of this condition, where, amongst other theories, she posits that this disorder is enmeshed within the desire to ‘remain a child’. Symptoms of this condition include amenorrhea [a-men-or-EA], lanugo [la-NOO-go], and heart damage. This condition has the highest mortality rate of

any psychiatric disorder, commonly affects young women, and its severity is traditionally quantified using body mass index. For 10 points, name this eating disorder, characterised by food restriction and fear of gaining weight.

ANSWER: **anorexia** nervosa [prompt on eating disorder before it's said; accept particular subtypes of anorexia; accept '**bulimia**' before 'Maud Ellmann', because Marya Hornbacher has both anorexia and bulimia in *Wasted*] <DC>

17. In the fossil record, defining structures of these organisms can be identified by a thin or absent laminated endexine, whilst one of the major groups in this clade is distinguished by those structures being tricolpate. The current consensus phylogeny of these organisms is A·P·G III system, which includes three basally branching superorders in this group are referred to as ANA grade. In these organisms, male gametes fuse with the egg nucleus to form the zygote and polar nuclei to form triploid endosperm; this is double fertilisation. For 10 points, name this group of plants characterised by seeds enclosed by fruits and pollen released by anthers.

ANSWER: **angiosperms** [accept **flowering** plants or **magnoliophyta**; prompt on plant, land plant or vascular plant before "gymnosperm"; anti-prompt on eudicot or monocot at any point] <LC>

18. One of these locations is described as 'half the size of Zurich, but twice as much fun', and a door in another of these locations remains closed out of respect for Sara Braun. A statue of a dog was added to that of a young woman in one of these locations in Recoleta in Buenos Aires. In another of these locations, love letters are left at a structure made from the remains of the Abbey of Nogent-sur-Seine, while in 2011 a glass barrier was erected to 'kiss-proof' a sculpture by Jacob Epstein. One of these locations near the Porta San Paolo contains an engraving describing 'one whose name was writ in water'. For 10 points, name these locations, which include Père Lachaise in Paris and Highgate in London.

ANSWER: **cemeteries** <AP>

19. One character in this novel tries to pay for a copy of Walter Scott's *Marmion* in an attempt to refuse the gift from a suitor. That suitor, this novel's narrator, is horrified to find that a child has been taught to hate alcoholic drinks, declaring that virtue is 'being able and willing to resist temptation'. Incorrectly believing him to be in love with this novel's title character, the narrator beats Frederick Lawrence with a whip-handle. A series of journal entries written at Grassdale Manor make up this book's second volume, and describe the affairs Alice Myers and Annabella, Lady Lowborough, have with the title character's alcoholic husband, Arthur Huntingdon. Narrated by Gilbert Markham, for 10 points, name this Anne Brontë novel about Helen Graham.

ANSWER: *The **Tenant of Wildfell Hall*** <AP>

20. Cerium chloride coordinates to an alcohol solvent in a reaction that converts a molecule with this functional group into an allylic alcohol. That reaction involving this functional group is the Luche reduction. These functional groups show up at 2.0 to 2.5 ppm on hydrogen N.M.R. and have an IR stretch at 1715 inverse centimetres. Adding sodium hydroxide and iodine to a solution of the methyl- varieties of these compounds produces a yellow precipitate. These compounds do not react with a mixture of ammonia and silver nitrate called Tollens reagent unlike the similar aldehydes. For 10 points, name this functional group with two R groups attached to a carbon double bonded to an oxygen.

ANSWER: **ketones** [prompt on carbonyl, do NOT accept aldehyde] <JR>

## Bonuses:

1. This people promised to return the Sixteen Provinces to Chinese control after their chieftain Wanyan Aguda rebelled against the Liao and established the Jin dynasty. For 10 points each:

[10] Name this nomadic people who actually then replaced the Khitans as the main northern threat to the Song dynasty.

ANSWER: **Jurchens**

[10] The Song bought off the Khitans with large amounts of silver and this other commodity. The same tactic did not work with the Jurchens, though in their final peace treaty with the Jin, the Song promised payment of 250,000 packs of this valued textile.

ANSWER: **silk**

[10] The Jurchen conquest forced the Song to relocate the imperial court from Kaifeng to this port city on a namesake bay, today located just south of Shanghai. This city remained the capital of the Southern Song until its capture by Khubilai Khan in 1276.

ANSWER: **Hangzhou** <CJ>

2. The form of the dispersion relation for waves with this restoring force depends on the depth of the water, explaining why waves break. For 10 points each:

[10] Name this force. This force is the restoring force for water waves with large amplitude and wavelength. This force is proportional to the mass of the water and the mass of the earth and is directed towards the centre of the earth.

ANSWER: **gravity** or **weight**

[10] These other water waves are small in amplitude and wavelength. Their group velocity is proportional to the cube root of frequency and their restoring force is surface tension.

ANSWER: **capillary** waves

[10] Non-linear effects can lead to solitons, which are described by the Korteweg-de Vries equation. If you change to a coordinate system moving at the speed of the wave, there is a time independent solution of the form of this function. That means that this function is the shape that solitons tend to adopt.

ANSWER: **hyperbolic secant squared** or **sech squared** [do NOT accept or prompt on “secant”] <LW>

3. This property can be used to prove many theorems including Pythagoras’ theorem. For 10 points each:

[10] Name this property that two triangles can have. It can be shown by corresponding sides all being in the same ratio or all the angles being the same.

ANSWER: **similarity** [accept word forms such as **similar**]

[10] The presence of similar triangles can be used to prove this other theorem. This theorem states that when the namesake line splits a side, the ratio of the lengths is the same as the ratio of the lengths of the other two sides.

ANSWER: **angle bisector** theorem

[10] This other triangle theorem relates the length of the altitude of a right-angled triangle to the lengths of the segments of hypotenuse formed when the altitude means the hypotenuse. This theorem is named for the relation that holds between those lengths, the square root of the product of two numbers.

ANSWER: **geometric mean** theorem <LW>

4. You are Katy Perry. For 10 points each, answer these questions on things you did Last Friday Night:

[10] ‘Think we kissed but I forgot.’ This psychologist developed a methodology for plotting memory loss over time, their ‘forgetting curve’. This psychologist was also the first to describe the learning curve in 1885.

ANSWER: Hermann **Ebbinghaus** [do NOT accept his son Julius Ebbinghaus]

[10] You ‘don’t know what to tell your boss’, which suggests you are experiencing this concept. This concept is defined as your actions failing to meet personal or society-wide standards; Japan and ancient Athens are cited as societies regulated by this concept.

ANSWER: **shame**

[10] 'I'm screwed [...] But I'm pretty sure it ruled. Damn.' could be seen as a form of cognitive dissonance, suggesting a psychological phenomenon developed by this psychologist, who wrote *When Prophecy Fails* with Henry Riecken and Stanley Schachter.

ANSWER: Leon **Festinger** <AH>

5. Rome, like most old cities, is built upon older Romes. Answer the following about ancient examples of this phenomenon, for 10 points each.

[10] This amphitheatre, later named for the enormous statue of Nero that stood by it, was built by its namesake dynasty upon a filled-in lake that was part of Nero's enormous *Domus Aurea* in order to host gladiatorial fights.

ANSWER: the **Flavian Amphitheatre** [accept **Amphitheatrum Flavium**, **Colosseum**, **Coliseum**]

[10] This structure, built in the late 3<sup>rd</sup> century CE is named for the emperor who commissioned it, who defeated both the Gallic and Palmyrene Empires. This structure incorporated into its fabric the *Castra Praetoria* and the pyramidal tomb of Gaius Cestius Epulo and replaced the much older Servian example of this structure.

ANSWER: the **Aurelian** Wall [prompt on walls of Rome]

[10] Excavations in the 1930s discovered that the *Castra Nova* of the *equites singulares* was well preserved under this oldest public Roman church. This church, the cathedral of Rome, as well as a nearby palace take their name from the estate of the family which included the first plebeian to become consul.

ANSWER: St John **Lateran** <OSC>

6. A major problem during the construction of this bridge was making it high enough to let ships under without blocking planes from Kastrup Airport. For 10 points each:

[10] Name this international bridge, where an artificial island named Peberholm was built in order to construct a tunnel. This bridge was used as a symbol for Malmö when it hosted the Eurovision Song Contest.

ANSWER: **Øresund** Bridge

[10] A bridge across the Kerch Strait was recently built to connect this peninsula to its occupying power. A November 2018 clash involved the bridge to this peninsula being blocked by a tanker and Ukrainian vessels being seized.

ANSWER: **Crimea**

[10] An enormous series of bridges and tunnels was recently opened crossing the Pearl River Delta to connect Hong Kong, Macau, and this city. Attractions in this, 'China's most livable' city include a reconstruction of the Old Summer Palace in Beijing.

ANSWER: **Zhuhai** <OSC>

7. This rigorist schism prompted by the consecration of Caecilian [kae-KI-li-an] as Bishop of Carthage held that it was the personal quality of the priest which made the sacraments effective. For 10 points each:

[10] Name this North African schism which argued that those who had renounced their faith during the Diocletianic Persecution could not be priests afterwards.

ANSWER: **Donatism**

[10] The Donatists were opposed by this bishop and theologian, who traced the effects of original sin in *The City of God*, and recounted the course of their conversion in the *Confessions*.

ANSWER: Aurelius **Augustine** of Hippo

[10] Both the Donatists and their opponents idolised this earlier Bishop of Carthage, the former for his martyrdom during the Valerian persecution, and the latter for his condemnation of the Novatianists, an earlier rigorist schism.

ANSWER: **Cyprian** of Carthage <AP>

8. 'Mad' examples of this substance and 'ungovernable shoots' play out of the female form in the fifth section of one poem. For 10 points each:

[10] Name this substance. This word is repeated three times consecutively in another poem by the same author, which describes how the title creature stood 'isolated' on a 'little promontory' where it was 'ever unreeling' and

‘tirelessly speeding’ this substance. The specific word is required.

ANSWER: **filament** [specific word required; prompt on synonyms like thread or fibre]

[10] This American poet included those poems, ‘I Sing the Body Electric’ and ‘The Noiseless Patient Spider’, in his collection *Leaves of Grass*.

ANSWER: Walt **Whitman**

[10] The third section of ‘I Sing the Body Electric’ opens ‘I knew a man [with this job]’. Alexandra Bergson starts working in this profession at the request of her dying father in Willa Cather’s novel *O Pioneers!*

ANSWER: **farmer** <IB>

9. In a manifesto by Donna Haraway titled for these entities, she claims that they ‘do not dream of community on the model of the organic family, this time without the oedipal project’. For 10 points each:

[10] Leman Giresunlu’s essay on Goddesses titled for these entities examines how Lara Croft is an example of a female figure that is ‘capable of inflicting pain and pleasure simultaneously’.

ANSWER: **cyborgs**

[10] Cyborgs aren’t the only creatures from science fiction to crop up in philosophy. These entities, as common in discussions of philosophy of mind as they are in horror movies and video games like *Resident Evil*, are indistinguishable from a normal human but lack conscious experience.

ANSWER: **zombies** [accept **p-zombies** or **philosophical zombies**]

[10] Another mythical creature in the philosophy of mind is the Swampman, a creature that is created from the vapourised molecules of this philosopher, who created the Swampman as well as the theory of anomalous monism.

ANSWER: Donald **Davidson** <GDC>

10. A novel titled for a person with this nickname features a class of school children chanting ‘le ciel est bleu’. For 10 points each:

[10] Give this nickname. A novel titled for a person with this nickname is narrated by an eighteen-year-old woman, who, like most of the characters in the book, is nameless. The man with this nickname in that novel stalks a middle child, who becomes ‘interesting’ as a result.

ANSWER: **milkman** [the novel is by Anna Burns]

[10] Tevye the Milkman, the protagonist of a series of short stories by Sholem Aleichem, provided the principal character for this Jerry Bock and Sheldon Harnick musical. Set in the Pale of Settlement in Imperial Russia in 1905, it won nine Tony awards and inspired a 1971 film adaptation.

ANSWER: ***Fiddler on the Roof***

[10] Milkman is the nickname of Macon Dead III, the protagonist of this Toni Morrison novel. Central to this novel is Seven Days, a group of revenge killers who murder a white person in retaliation for every murder of a black person.

ANSWER: ***Song of Solomon*** <DC>

11. Herbert Marcuse is considered the father of this movement, which responded to the increasing unpopularity of Stalinism to formulate an approach to social justice not explicitly informed by class struggle. For 10 points each:

[10] Name this political movement of the 1960s and 1970s that in the US was associated with civil rights campaigns like the Free Speech movement and took its name from a letter written by C. Wright Mills.

ANSWER: **New Left**

[10] This New Left organization was founded in Ann Arbor, Michigan, and active on college campuses. Its Port Huron Statement publicized its anti-war and anti-racist principles, but its more radical members split from it at its 1969 convention and eventually formed the Weather Underground.

ANSWER: **Students for a Democratic Society**

[10] The Weather Underground’s first public demonstration was the so-called ‘Days of Rage’ in this Midwestern city, where Abbie Hoffman and Jerry Rubin were two of the seven defendants charged after disrupting the 1968

Democratic National Convention here.

ANSWER: **Chicago** <CJ>

12. Possessing only one of these is the cause of Turner's Syndrome, whilst the translocation of S·R·Y onto one these structures can result in offspring with a masculine phenotype. For 10 points each:

[10] Name these structures, one of which forms the heterochromatinised Barr Body in order for dosage compensation to occur in female mammals. These structures contain genes for trophinin, factor VIII and dystrophin.

ANSWER: **X** chromosome

[10] The Barr body is formed in this process initiated by the X·I·S·T l·n·c·RNA, which coats the X chromosome it is transcribed from and leads to histone acetylation and DNA methylation, leading to heterochromatinization and silencing. In marsupials, this always happens to the paternal X chromosome.

ANSWER: X **inactivation** or **Lyonization**

[10] The random pattern of inactivation of either the maternal or paternal X chromosome in patches of fur is responsible for this particoloured coat pattern in female cats.

ANSWER: **tortoiseshell** cats [accept **calico**] <LC>

13. A play in this genre was adapted by Carol Ann Duffy for a 2015 production at the National Theatre. For 10 points each:

[10] Name this genre of drama, which developed from mystery plays in the fifteenth century. In another play in this genre, Mankind is tempted by a series of demons against the advice of Mercy.

ANSWER: **morality** play

[10] Duffy adapted this best-known morality play in which the title character prepares for death by trying to find someone to accompany them beyond the grave; only Good Deeds is able to do this.

ANSWER: **Everyman**

[10] This character in *Everyman* speaks the line 'Everyman, I will go with thee, and be thy guide'. This character accompanies Everyman up to the moment of death, but not beyond.

ANSWER: **Knowledge** <AP>

14. In 2017, Ons Jabeur became the first Arab woman to reach the 3rd round of a Grand Slam at this tournament. For 10 points each:

[10] Name this tennis Grand Slam, recently won by Simona Halep, whose aggressive baseline game is well-suited to its clay-court surface.

ANSWER: **French Open** [accept **Roland-Garros**]

[10] This first unseeded player to win the French Open since 1933 is noted for her hyper-aggressive playing style. More recently, she played tennis against an aeroplane in an advert for an airline.

ANSWER: Jelena **Ostapenko** [or Alona **Ostapenko**]

[10] This tennis player has won two grand slams, including the 2016 French Open. She has since become the first ever player to defeat both the Williams sisters in Grand Slam finals.

ANSWER: Garbiñe **Muguruza** Blanco <AH>

15. The Malhar type of this musical structure is associated with torrential rain, to the extent that legendary singers of it are said to have been able to cause rain. For 10 points each:

[10] Name these South Asian melodic structures for improvisation, which come in hundreds of varieties reflecting times of day and emotions.

ANSWER: **raga**

[10] This Hindustani instrument's sympathetic strings are tuned to the notes of the raga being played on its six or seven playable strings, though three or four of those are used to create its distinctive drone.

ANSWER: **sitar**

[10] This holy text is largely composed of hymns, known as *shabads*, in sixty different ragas, and is arranged

according to these ragas. This text, written in the Gurmukhi script, includes poems by Farid and Kabir, who did not follow the religion in which this text is sacred.

ANSWER: **Guru Granth Sahib** <AP>

16. This drummer's philosophy of 'play the music' is encapsulated in their composition 'Three Card Molly'. For 10 points each:

[10] Name this jazz drummer contributed to many of the cornerstones of the modal jazz canon, including 'The Real McCoy' and 'Speak No Evil'.

ANSWER: **Elvin Jones** [prompt on Jones because there are at least three famous jazz drummers with that surname]

[10] Many in the jazz community believe that black small-band drummers are generally overlooked by media and 'best-of' lists in favour of white big-band drummers like Gene Krupa and this drummer, who recorded *Birdland* and often called themselves 'the greatest drummer in the world'.

ANSWER: Buddy **Rich**

[10] Elvin Jones was a pioneer of the 'hard' form of this style of jazz, which was developed in the early 1940s by Dizzy Gillespie and Charlie Parker. The name of this style of jazz derives from nonsense syllables sung in scat singing.

ANSWER: **bebop** <GDC>

17. Francisco de Vit6ria argued for the passage of these laws at Salamanca, while their creation led to a rebellion by Gonzalo Pizarro in Peru that killed the Viceroy Blasco N6ñez Vela. For 10 points each:

[10] Name this 1542 set of laws that outlawed native slavery in Spanish America and severely restricted the *encomienda* system.

ANSWER: **New Laws**

[10] The New Laws were issued by this first Habsburg king of Spain and Holy Roman Emperor, to whom Hernan Cort6s wrote a series of letters detailing his conquest of the Aztecs.

ANSWER: **Charles V** [or **Charles I of Spain**, accept **Carlos V** or **I of Spain**]

[10] After Madrid became the permanent capital of Spain in 1561, this palace was built about thirty miles north of the city with revenue from American silver mines. Designed by Juan Bautista del Toledo, its floor plan may have been based either on a gridiron or on Josephus' description of the Temple of Solomon.

ANSWER: **El Escorial** <CJ>

18. This theory describes why molecules take on the shapes they do. For 10 points each:

[10] Name this theory, also called Gillespie-Nyholm theory. It is based on the premise that electron pairs tend to be as far apart as possible, due to the Pauli exclusion principle as well as electrostatic forces.

ANSWER: **VSEPR** (or **Valence Shell Electron Pair Repulsion** theory) [often pronounced "VEH-spur" or "ve-SUH-pur"]

[10] In iodine heptafluoride, an s orbital hybridises with three p orbitals and three d orbitals. That configuration leads to this unusual geometry.

ANSWER: **pentagonal bipyramidal**

[10] This geometry is adopted when a central atom forms double bonds to two other atoms leaving no lone pairs. That means that this geometry maximises the distance between the outer atoms. Carbon dioxide has this geometry.

ANSWER: **linear** [accept descriptions such as "a straight line"] <LW>

19. An artist apparently began having nightmares in which he saw versions of this building falling on top of him, and wrote that his attempt to depict it was 'trying to do the impossible'. For 10 points each:

[10] Name this building, which another artist painted in binary colour schemes for John Coplans's 1968 exhibition *Serial Imagery*.

ANSWER: **Rouen Cathedral**

[10] The artist of that later series, Roy Lichtenstein, included Barcelona chairs and a wall plastered with ben-day dots in a painting with this title. Lichtenstein's version is remake of a work of this title depicting a room in the

Yellow House, where the artist stayed with Paul Gauguin.

ANSWER: **Bedroom** in **Arles** [accept *La Chambre à Arles* or *Slaapkamer te Arles*]

[10] Lichtenstein also exhibited an Erle Loran diagram showing the compositional methods of a portrait of this French artist's wife. This artist himself produced a 'modern' version of Manet's *Olympia*, and a work in his series *The Card Players* was sold to the Qatari Royal Family in 2011.

ANSWER: Paul **Cézanne** <IB>

20. In a work by Marceline Desbordes-Valmore thought to be the first lyric poem about menstruation, the speaker's dress bursts after she tries to stuff too many of these objects inside. For 10 points each:

[10] Name these objects. In a long poetic work, Jealousy builds a castle to protect one of them, later leading to a staff being suggestively inserted into an arrow-slit, after a character first sees one while gazing at a fountain.

ANSWER: **roses** [accept **rosebuds** or rose**bush**; prompt on **flowers**]

[10] That allegorical poem, *Romance of the Rose*, caused a 'quarrel' in medieval France between Jean de Montreuil [mon-TRUH] and this author, who responded with a work featuring Reason, Rectitude and Justice titled *The Book of the City of Ladies*.

ANSWER: Christine de **Pizan**

[10] A sonnet by this author describes how 'The rose looks fair, but fairer we it deem / For that sweet odour, which doth in it live'. Another of this author's sonnets begins 'Let me not to the marriage of true minds / Admit impediments'.

ANSWER: William **Shakespeare** <IB>