OOT 2019: A Pope for Every Packet
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THE ANSWER TO THE LAST TOSS-UP SHOULD HAVE BEEN: **white**

<u>Packet 11</u>

Toss-ups:

1.This artist's portraits include portrayals of Japanese philosophy professor Isaku Yanaihara and a series depicting a Parisian woman named Caroline. One of his paintings of Caroline has a dense, black mask-like face set against an ochre 'halo', with her body and the rest of the background in white. This artist is better-known as a sculptor; one of his frequent models was his brother, whom he depicted with a flattened head in his early work *Bust of Diego*. This sculptor's early works include *Spoon Woman*, while one of his most famous works depicted an irregularly-modelled head suspended in a cage. For 10 points, name this Swiss sculptor of *The Nose*, best-known for his distinctive elongated humanoid figures such as the *Walking Man* series.
ANSWER: Alberto **Giacometti** <AH>

2. In the last movement of a symphony by this composer an abrupt clarinet melody beginning with a descending octave jump interrupts a pianissimo pizzicato ostinato from the symphony's first movement. That symphony, this composer's fifth, was reorchestrated before its premiere without their knowledge by Franz Schalk. The first movement of this composer's fourth symphony features a duplet followed by a triplet, this composer's namesake rhythm, while the second version of its thrice-revised last movement is known as the 'Volksfest'. This composer was only ever paid for their *Te Deum*, which is sometimes used to complete their ninth symphony. For 10 points, name this Austrian composer notorious for revising his symphonies, such as the 'Wagner' and the 'Romantic'.
ANSWER: Anton **Bruckner** <AP>

3. This property causes effects that are impossible to generate using only LOCC operations. This property can be measured by the von Neumann entropy of the partial trace of the density matrix for a pure state and for a two spin system is maximal for the four "Bell states". Almost all states in a tensor product space have this property which is equivalent to not being expressible as a tensor product of single particle states. Bell's inequalities are violated by quantum states with this property. For 10 points give this property of two particle states that Einstein denounced as "spooky action at a distance"..
ANSWER: quantum **entanglement** [do NOT accept "superposition". Prompt on <u>correlation</u> or <u>spooky action at a distance</u> before mention] <JR>

4. In a poem about his wife, this poet describes 'soap scented fingers I long to caress' and asks 'which were the baths where they taught you to swim?'. This man wrote the poems 'Harrow-on-the-Hill' and 'Middlesex' for a 1973 BBC documentary film, which he also narrated. This man laments 'How man I am, sad I am, glad that you won' in addressing Miss Joan Hunter Dunn in the poem 'A Subaltern's Love Song'. In his most famous poem, this poet describes wives who 'frizz out peroxide hair' and calls for 'friendly bombs to fall on' the title Berkshire town. For 10 points, name this Poet Laureate who opposed railway demolition and wrote 'Slough'.
ANSWER: John **Betjeman** <FL>

5. Ammianus Marcellinus says that this group was organised into brotherhoods following the teaching of Pythagoras, and Strabo describes them as natural and moral philosophers who say that 'men's souls, and also the

universe, are indestructible'. In both his *Annals* and *Agricola*, Tacitus describe Roman assaults on a base of this group, whose name is plausibly linked to words meaning 'knowledge' and 'oak'. Pliny the Elder is the only source for the belief that this religious class used a golden sickle to cut mistletoe. With important groves on the island of Mona, modern Anglesey, for 10 points, name this priestly class of the Celts.
ANSWER: **Druids** <OSC>

6. A work discussing the theory of this thing quotes George Gordon's claim that 'England is sick...and [this thing] must save it'. Roman Jakobson claimed that this thing represents an 'organised violence committed on ordinary speech'. In a work analysing this thing, one thinker criticises academics for committing the 'deterministic fallacy' when assessing it: that work is by the author of the non-poetry book *Fearful Symmetry*. An introduction to the 'theory' of this thing is by Terry Eagleton. The New Criticism school advocated analysing this thing using a 'close reading' technique. For 10 points, name this thing, which refers to all forms of written expression.
ANSWER: **literature** [accept word forms, accept more specific forms of literature, like **plays**, **novels** etc] <GDC>

7. An example of the *soro* variety of this structure was built for the ruler of Kano, while an important medieval one was located in Larabanga. The Chinguetti one was left undecorated thanks to Malikite beliefs. The Askia dynasty patronized three of them in Timbuktu known collectively as 'Sankoré'. The *Tarikh al-Sudan* records how Sultan Kunburu tore down his palace and replaced it with one of these things, a 'Great' adobe version overlooking the marketplace of Djenné, while Mansa Musa supposedly built a new one of these every Friday during his hajj. For 10 points, name these sites of Islamic worship that in West Africa usually featured one or more pyramidal minarets.
ANSWER: **mosque** <CJ>

8. Description acceptable.
The Mitz performs this action for girls under the age of ten in Hutterite tradition. Karen Armstrong argues that only Muhammad's wives were required to perform this action whilst he was alive. In 1 Corinthians 11:7, it is stated that men should not perform this action because they are a 'reflection of God' In Turkey, an item used to perform this action was banned in universities and public buildings until 2013. Married orthodox Jewish women sometimes perform this action using the sheitel, which takes the form of a wig. For 10 points, the hijab is used to perform what action?
ANSWER: **covering** one's **hair** [accept **headcovering**] <GDC>

9. Annie Leibovitz pictured a female competitor in this sport wearing a leopard-print pair of underwear in her photo essay *Women*: that competitor was Lenda Murray. A competitor in this sport is shown hiding the lucky t-shirt of Mike Katz in a documentary about this sport. The most recent winner of this sport's most prestigious event was its first Jamaican winner, Shawn Rhoden. A film directed by Robert Fiore centers on a competition in Pretoria, in which the introverted Lou Ferrigno seeks to be crowned Mr Olympia by defeating a man who trains with Franco Columbu, Arnold Schwarzenegger. The IFBB is, for 10 points, the governing body of which sport, the subject of *Pumping Iron*?
ANSWER: **bodybuilding** <CP>

10. An element in this group forms a crystalline solid tetroxide which is prone to exploding above −35.9 degrees Celsius. An 85−isotope of an element in this group has been used to detect clandestine nuclear fuel reprocessing facilities. The melting points of elements in this group all differ from the boiling points by less than 10 degrees Celsius. The first compound to contain an element in this group is a difluoride first synthesised by electric discharge in 1962. Containing elements with a full shell of valence electrons, for 10 points, name this group of the periodic table whose elements include xenon and argon.

ANSWER: **noble gas**es [or **group 18** elements; accept **group 0**, **group 8**, **group 8**A or **group 8**B] <AH>

11. In this state, Tuzigoot and Montezuma Castle are two archaeological sites of the Sinagua people. Daniel Barringer first proposed an impact theory of origin for one landmark in this state, while a Secretary of the Interior from this state encouraged John F. Kennedy to add 16,000 acres of saguaro cactus land to one of its national parks. Elsewhere in this state, the Painted Desert spans two other national parks, including the Petrified Forest. A site shared by this state and its northern neighbour includes 'the Mittens' and 'the Totem Pole' and was used as the backdrop for *Stagecoach* and *The Searchers*. Home to the southern part of Monument Valley, for 10 points, name this southwestern state whose most prominent geological feature is the Grand Canyon.
ANSWER: **Arizona** <CJ>

12. The thirteenth holder of a title relating to this place was besieged at St Michael's Mount by the Yorkists and commanded Henry Tudor's forces at Bosworth. John Aubrey claimed that a later holder of a title relating to this place went into a seven-year exile after farting before Elizabeth I, though the disgrace of that earl actually followed from his adultery with her lady-in-waiting, Anne Vavasour. The third Exclusion Bill was presented at a Parliament held at this place, to which it relocated in 1665 to escape the Plague, during which time Commons committees met in its Divinity School. The Royalist capital during the Civil War, for 10 points, name this English city located at the confluence of the Cherwell and the Isis.
ANSWER: **Oxford** [accept **Earl of Oxford**] <AP>

13. This leader's government fell after the so-called 'crime on Tonelero Street' which involved their chief bodyguard, a man nicknamed 'Black Angel'. Earlier, this politician consolidated power when one of their generals revealed the so-called 'Cohen Plan' for communist revolution in their country, and they sent an Expeditionary Force to participate in the invasion of Italy. This leader first gained office after Washington Luís supported another man from his state as his successor, prompting a coup that ended the politics of coffee with milk. This founder of Petrobrás died by a self-inflicted gunshot wound to the chest in the Catete [ca-TEH-chee] Palace in Rio de Janeiro. For 10 points, name this populist President of Brazil who founded the Estado Novo.
ANSWER: Getúlio **Vargas** <CJ>

14. In the filamentous ascomycetes, Woronin [War-OWN-in] bodies can plug gaps in this structure. In plants this structure forms by the formation of the pre-prophase band to determine the site of phragmoplast formation, along which vesicles are trafficked. Once formed, plasmodesmata pass through this structure, which can grow by acid growth or stress relaxation. The thickness of this structure determines how well bacteria will retain crystal violet stain. In bacteria this structure is comprised of peptidoglycan and in fungi it is composed of chitin. For 10 points name this structure, which in plants is rich in cellulose, which forms the outermost boundary of the plant, fungal and bacterial cells .
ANSWER: cell **wall** [prompt on hypha before the second sentence] <LC>

15. In a play by this author, a scholar compares the central character to light shining through a cracked wall and an evening star. That character created by this author later sings to lure the antagonist out from behind a screen of netting. At the end of a work by this author, the speaker compares his life to 'a flock of homesick cranes flying night and day back to their mountain nests'. Nandini wears a garland of flowers in the mining-town Yaksha in a play by this author, who also addressed a 'frail vessel [which] emptiest again and again' after the line 'Thou hast made me endless, such is thy pleasure'. For 10 points, name this Bengali author of *Red Oleanders* and *Gitanjali*.
ANSWER: Rabindranath **Tagore** <IB>

16. When asked where she got this name, a character comments that it is her name 'in the dark' and later watches two turtles mating. After mishearing a preacher, a woman agrees to have sex with an engraver for ten minutes if he carves this word onto a tombstone. After being encountered by the central characters coming home from a trip to a

carnival, a character with this name sleeps for four days and later disappears after a group comes to exorcise her from the house. In a novel titled for this word, Paul D comes to live with the central character and her daughter Denver. This word titles a novel which opens '124 was spiteful' and follows the Sweet Home Plantation escapee Sethe [SEH-thuh]. For 10 points, name this most famous novel by Toni Morrison.
ANSWER: *Beloved* <IB>

17. The Oddness Theorem shows that in generic situations there are an odd number of these things. Debreu, Glicksberg and Fan name a theorem that shows the existence of at least one of these things if the strategy set is compact and convex. The original proof of the existence of these things in a finite setting utilised Brouwer's fixed-point theorem but David Gale showed their namesake an easier proof using Kakutani fixed-point theorem. A refined set of these things for dynamic games are subgame perfect and "defect, defect" is the only one of these things for the prisoners' dilemma game. For 10 points, name these things, proposed solutions to non-cooperative games named for a mathematician whose life story is told in *A Beautiful Mind*.
ANSWER: **Nash equilibria** [prompt on equilibria, accept **NE**] <GDC>

18. Mark Monahan criticised Alexei Ratmansky's choreography of this ballet for the inclusion of fist pumps in Act II. The choreographer of a much celebrated version of this ballet wore a fake nose that was said to resemble Edith Sitwell's to perform one role in it. That choreographer was Frederick Ashton, and this ballet was his and the National's first full ballet. Two characters that are sometimes played in travesti fight over a shawl in this ballet. In the first act of this ballet, the title character lets a beggar woman stay in the fireplace where she lives, who then turns into a magical being that transforms the title character's shoes into glass slippers. For 10 points, name this Prokofiev ballet, based on a story by Charles Perrault that features a Fairy Godmother.
ANSWER: *Cinderella* <GDC>

19. These people should give another group of people a feeling of 'omnipotence' because otherwise they will feel as if they have a 'false self' according to one theorist. Dorothy Dinnerstein argued that these people should take a dual approach to a particular task. The 'good enough' model of these people was advocated by Derek Winnicott. Sir Frederick Truby King advocated these people adopt an 'enforcement' approach. A guide for these people begins with the claim that 'you know more than you think you do' and was written by Dr. Benjamin Spock. For 10 points, name these people who raise children.
ANSWER: **parents** [accept **mothers** and **fathers**] <GDC>

20. A woman remembers being sketched in charcoal in Nantucket in a work by Joyce Carol Oates which borrows its title from this story. In a speech, a character in this story describes how she has been 'tormented by curiosity' and wants 'to live, to live, to live'. Near the end of this work a man looking in a mirror notices that his hair is turning grey and realises that he has fallen in love for the first time in his life. This work's title character is seen with von Dideritz at a performance of *The Geisha* after leaving by train from Yalta, where she is first observed walking along the seafront by Dmitri Gurov. For 10 points, name this story titled for a woman with a pet pomeranian, written by Anton Chekhov.
ANSWER: 'The **Lady with the** Pet Lap**dog**' [or *Dama s sobachkoy*] <IB>

Bonuses:

1. The first terrestrial animals known from the fossil record is *Pneumodesmus newmani* from the Silurian, but those terrestrial pioneers would have entered an already diverse ecosystem. For 10 points each, answer these questions on early terrestrial life.
[10] One of the earliest known examples of these organisms in the fossil record is *Cooksonia* dating to the Silurian. These organisms are distinguished by the sporophyte being nourished by the gametophyte for at least part of its lifecycle..
ANSWER: **land plant**s/ **embryophyta** [prompt on <u>plant</u>s alone, <u>vascular plant</u>s, <u>Tracheophytes</u>, <u>bryophyte</u>s]
[10] Pneumodesmus newmani is an early species in this class, distinguished by possessing two pairs of legs on most body segments. *Arthropleura*, the largest known terrestrial invertebrate, is an example of one of these arthropods from the Carboniferous.
ANSWER: **millipedes** / **diplopoda**
[10] These structures evolved in the stem Elpistostegalia, also known as fishapods, the most famous of which is *Tiktaalik* [tick-TAR-lick] from the late Devonian. The evolution of this structure required modification of fin rays and the developmental of a shoulder girdle, and can be definitively recognised in Carboniferous taxa such as *Pederpes*.
ANSWER: **limbs** [accept <u>arms</u> or <u>legs</u>; prompt on <u>hands</u> or <u>feet</u>]   <LC>

2. Europeans initially referred to the Cap-Vert peninsula as the Bay of Bezeguiche when they landed at the future site of this city; later, one of its most famous landmarks was owned by the mixed-race signara Anna Pépin. For 10 points each:
[10] Name this West African capital city that houses the Maison des Esclaves, or House of Slaves, on Gorée Island.
ANSWER: **Dakar**
[10] Dakar was an important stop for ships involved in this trade route that took manufactured goods from Europe to Africa, transported slaves to the Americas, and brought colonial raw materials back to Europe. Philip Curtin published one of the first statistical surveys of this route's 'Middle Passage'.
ANSWER: **triangular** trade
[10] This site within the House of Slaves has become a symbol of the Atlantic slave trade, imagined to be the final exit point for enslaved Africans from the continent, though historians dispute that many of them actually boarded slave ships here. On a 2013 visit to Senegal, Barack Obama was photographed looking out at the ocean from this place.
ANSWER: the **Door of No Return** <CJ>

3. The Slovenian Kurentovanje, where participants chase away winter dressed in fluffy sheepskin clothes with large bells hanging from their belts, is one of these events. For 10 points each:
[10] Name this event. In Ivrea, the Battle of the Oranges takes place during this event, while in Cologne people pay large sums to play characters during one of these events called the prince, the peasant, and the maiden.
ANSWER: **Carnival** [or **Carnaval** or **Carnivale** or **Fastelavn**; anti-prompt on <u>Shrove Tuesday</u> or <u>Shrove Sunday</u>]
[10] This deep-fried food is popular in many pre-Lenten celebrations. Examples include malasadas, eaten on Madeira, and the Polish pączki [PON-chi], which are traditionally filled with wild rosehip or plum jams.
ANSWER: **doughnut**s
[10] The Greek town of Tyrnavos is notorious for the depictions of these objects used in its bourani ritual on Clean Monday, the first day of Lent. Supposedly with origins in an ancient festival of Dionysus, bourani, a spinach soup, is stirred with a ladle shaped like of of these objects, a shape shared by the sceptres which participants hold.
ANSWER: **phallus**es [accept obvious equivalents] <AP>

4. This poem's speaker describes two people who don't remember 'a "sorry" muttered in a crowd' or 'a curt "wrong number" caught in the receiver'. For 10 points each:
[10] Name this Polish-language poem about a couple 'convinced that a sudden passion joined them' who would be surprised to hear that Chance 'has been toying with them now for years'.
ANSWER: '**Love at First Sight**' [or ***Miłość od pierwszego wejrzenia**]
[10] This Nobel Prize-winning Polish author wrote 'Every beginning / is only a sequel' in 'Love at First Sight' and also wrote the collection *Calling Out to Yeti*.
ANSWER: Wislawa **Szymborska**
[10] This word titles a Szymborska [shim-baw-skah] poem about an 'island where all becomes clear'. This word for a perfect place was coined by Thomas More.
ANSWER: '**Utopia**' <IB>

5. For most of his life, this ruler was effectively a puppet for a succession of powerful regents, including his mother Zoe and his father-in-law, the admiral Romanos Lekapenos. For 10 points each:
[10] Name this Byzantine emperor who used his effective imprisonment to devote himself to his studies, authoring a number of books on the empire's administration and ceremonial addressed to his son Romanos II.
ANSWER: **Constantine VII** or **Constantine Porphyrogenitus**
[10] Constantine was a member of this dynasty, named for the region of northern Greece from which its first ruler, Basil I, hailed. This dynasty oversaw a tenth-century 'Renaissance' in art and learning and came to power when Basil got the last Amorian emperor Michael III and his new favorite drunk and murdered them.
ANSWER: **Macedonian**
[10] Constantine's *De Administratio Imperii* combines two earlier treatises of his, one of which is titled for these things "of East and West". These units of the empire originally took their name from units of the Eastern Roman army and were governed by a *strategos*.
ANSWER: **theme** <CJ>

6. This artistic motif first appeared in the artist's *Onement I* ["one"-ment one], and the artist's narrow eight foot-tall canvas *The Wild* unusually shows one of these motifs and nothing else. For 10 points each:
[10] Name these motifs, long, narrow bands of colour which divide up a red canvas in the artist's large work *Vir Heroicus Sublimus*.
ANSWER: **zip**s
[10] This Abstract Expressionist artist used zips to structure the canvas in his painting *Vir Heroicus Sublimus*, which hangs in New York's MoMA.
ANSWER: Barnett **Newman**
[10] Newman also painted a number of color field works in his series *Who's Afraid of Red, Yellow and Blue*. The series' title references this De Stijl [duh "style"] painter, who frequently organised those three colours into grids in works like *Broadway Boogie-Woogie*.
ANSWER: Piet **Mondrian** <IB>

7. This economist wrote a paper with Uriel Rothblum and John Vante which applied linear programming techniques to a common type of matching problem. For 10 points each:
[10] Name this economist, who designed the allocation of students across New York City schools in order to best satisfy the preferences of each child while at the same time being incentive compatible.
ANSWER: Alvin **Roth**
[10] Alvin Roth worked on a paper with Tayfun Sonmez and Utku Unver which applies matching theory to the exchange of these goods in New England. Iran is one of the few places that allow providers of these goods to be paid.
ANSWER: **kidneys** [accept **organs**]

[10] A common problem in matching theory is named for this institution and involves finding a stable matching between two sets of elements given a set of preferences. This institution traditionally involves two spouses, which is useful, because modelling matching of a polyamorous version of this institution would be a nightmare.
ANSWER: **marriage** <GDC>

8. In this song, the artist asserts 'Confrontation ain't nothin' new to me / You can bring a bullet, bring a sword, bring a morgue, / but you can't bring the truth to me'. For 10 points each:
[10] Name this 2018 song, which includes a bridge which asks 'Love, let's talk about love / Is it anything and everything you hoped for? / Or do the feeling haunt you?'.
ANSWER: '**All the Stars**'
[10] 'All the Stars' is an Oscar-nominated song written for the film *Black Panther* by SZA and this critically acclaimed rapper and songwriter, whose album *DAMN.* won the 2018 Pulitzer Prize for Music. His other albums include *good kid, m.A.A.d* ['mad'] *city*.
ANSWER: Kendrick **Lamar**
[10] This 2015 album, Lamar's third, was released to wide acclaim, and its singles 'i' and 'Alright' both received Grammys. Its title is an oblique reference to Tupac, since it is a variation on a title which spelled out Tupac's initials.
ANSWER: *To Pimp a Butterfly* <DC>

9. This reaction begins with the deprotonation of a phthalamide and produces a phthalhydrazide by-product. For 10 points each:
[10] Name this organic reaction which traditionally uses potassium phthalamide followed by hydrazine to produce primary amines. The development of alternative reagents which hydrolyse more readily also allows the production of secondary amines.
ANSWER: **Gabriel** synthesis
[10] The Gabriel synthesis converts this class of compounds to primary amines. These compounds can be synthesised by reacting an alkene with [emphasise] a *specific group* of elements in a 'decolourising' addition reaction.
ANSWER: **haloalkanes** [or **halogenoalkanes** or **alkyl halides**; do NOT accept or prompt on halogenoalkenes or haloalkenes: ask competitors to repeat and/or spell if necessary]
[10] Amines contain hydrogen atoms or other substituent groups bonded to a central atom of this element. In ammonia, three hydrogen atoms are bonded to an atom of this element.
ANSWER: **nitrogen** <AH>

10. When sufficiently high energy electrons are fired at a material, inner shell electrons may be excited, and then relax, emitting these high energy photons. For 10 points each:
[10] Name this type of high energy electromagnetic radiation. This radiation is higher frequency than ultraviolet and in general lower frequency than gamma rays.
ANSWER: **x-ray**s [accept **Röntgen radiation**]
[10] X-ray spectroscopy is used to study the inner electron shells. In electron spectroscopy terms, the inner shell is referred to by this letter. The spectral lines in the series named for the same letter have the shortest wavelength.
ANSWER: **K**
[10] When electrons are fired at the sample, a continuous background is observed as well as discrete spectral lines. That background is the radiation emitted by decelerating electrons, which is known by this term, meaning "braking radiation"
ANSWER: **bremsstrahlung** <LW>

11. These documents originally acted as a mechanism for payment of the *mohar*, and according to Israeli law the terms of these agreements are not affected by the equal division of property upon divorce. For 10 points each:

[10] Name this kind of Jewish marriage contract. Illuminated ones were often displayed in the home as decorative objects, and over two hundred of them were found in the Cairo Geniza.
ANSWER: **ketubah**
[10] Ketubot are written in this Semitic language. Considered to be the language of Jesus, this tongue survives as a sacred language in its dialects of Mandaic and Syriac.
ANSWER: **Aramaic**
[10] The ketubah is sometimes read to mark the division between the two sections of a Jewish wedding, the second of which takes place under this ceremonial canopy that resembles a tent open on all four sides and symbolizes the couple's new home together.
ANSWER: **chuppah** [HUH-pah] <CJ>

12. This incident was apocryphally the last time the Royal Navy used cutlasses in a boarding action. For 10 points each:
[10] Name this incident, named for a tanker carrying British prisoners of war, which saw the destroyer HMS *Cossack* board that ship in the neutral waters of the Jøssingfjord [Yuh-sing-fee-yord] in 1940.
ANSWER: the *Altmark* Incident
[10] The *Altmark* Incident helped persuade Hitler to invade this country as well as Denmark in Operation Weserübung [add guide], during which Vidkun Quisling carried out a coup.
ANSWER: **Norway**
[10] During the Norway campaign, two naval battles were fought between the Royal Navy and the Kriegsmarine at this northern port. This port, an ice-free harbour for Swedish iron ore from Kiruna, also gives an alternate name to the Norway Debate which brought down the Chamberlain government.
ANSWER: **Narvik** <OSC>

13. Families are often complicated. For 10 points, answer some questions about fraught family relationships in the
American short story:
[10] In this writer's viral story 'Sticks', an overbearing father hangs pictures of his estranged children and signs saying 'LOVE' and 'FORGIVE?' on a large pole in his front garden. This writer's other short stories include 'Escape from Spiderhead' and 'The Semplica-Girl Diaries'.
ANSWER: George **Saunders**
[10] In this short story, Muriel Glass refuses to recognize her husband Seymour's bizarre actions as worrying. Later, after telling Sybil Carpenter about the titular creatures and starting an argument with a woman in an elevator, Seymour shoots himself while Muriel is sleeping.
ANSWER: 'A **Perfect Day for Bananafish**'
[10] The protagonist of this author's story 'Young Goodman Brown' loses his faith in his unsubtly named wife, Faith, after believing he sees his entire town inducted into witchcraft. This author also wrote *House of the Seven Gables* and *The Scarlet Letter*.
ANSWER: Nathaniel **Hawthorne** <DC>

14. This movement is in rondo form and begins with block chords in E-flat major played by both hands. For 10 points each:
[10] Name this final movement of *Pictures at an Exhibition*. After a 'hymn theme', the main theme returns in the left hand, while the right hand plays octaves in a descending stepwise run.
ANSWER: 'The **Great Gate of Kiev**' [accept 'The **Heroes' Gate at Kiev**' or 'The **Bogatyr Gates** (In the Capital in Kiev)']
[10] This other movement of *Pictures at an Exhibition* begins with a descending theme on the bassoon before the solo instrument enters, in Ravel's orchestration. At the end, the strings play a unison pizzicato chord underneath the soloist's held note.

ANSWER: '**The Old Castle**' [or '*Il Vecchio Castello*']
[10] 'The Old Castle' contains an extended solo for this single-reed woodwind instrument. It's not the clarinet, but Debussy wrote a rhapsody for orchestra and this instrument, which is extensively used in Gershwin's *Rhapsody in Blue*.
ANSWER: **saxophone** [accept any specific type of **saxophone**] <AH>

15. According to Diodorus Siculus, this person was 'both blest with children and childless'. For 10 points each:
[10] Name this Theban figure, of whom one Latin poet said 'Her neck cannot bend, nor her arms recall their movement, nor her feet lead her anywhere'.
ANSWER: **Niobe**
[10] This poet described the transformation of Niobe into stone in a passage that follows a description of Athena punishing Arachne. Along with his *Metamorphoses*, this poet also wrote *Ars Amatoria* and *Tristia* in his exile.
ANSWER: Publius **Ovid**ius Naso
[10] The oldest recorded version of the Niobe story is found in Book 24 of the *Iliad*, in which Achilles relates the story to this man when encouraging him to eat in his tent.
ANSWER: **Priam** <OSC>

16. One play by this author opens with a scene from Thomas Shadwell's play *The Stockjobbers*, and follows Scilla's unsuccessful attempts to solve her brother Jack's murder. For 10 points each:
[10] Name this author of *Serious Money*, who, together with David Lan, adapted Euripides' *Bacchae* in *A Mouthful of Birds*, and wrote *Softcops* after reading Foucault's *Discipline and Punish*.
ANSWER: Caryl **Churchill**
 [10] Churchill's most famous work is this play focusing on a women's advertising agency run by Marlene, which opens with historical women such as Dull Gret, Isabella Bird, and Patient Griselda celebrating at a restaurant.
ANSWER: ***Top Girls***
[10] *Top Girls* was premiered at the Royal Court Theatre, as was this playwright's *Endgame*. The Royal Court also held the first uncensored English version of this writer's *Waiting for Godot*.
ANSWER: Samuel **Beckett** <AP>

17. Zagzebski argues that the claim that God is timeless in this work does not overcome the problem of theological fatalism. For 10 points each:
[10] Name this work. One character in this work answers the question of what 'wise man would prefer to be penniless...rather than mighty in wealth?' by arguing that God is an efficient cause of all things.
ANSWER: The ***Consolation of Philosophy***
[10] *The Consolation of Philosophy* is by this thinker, who was imprisoned and killed by Theodoric the Great.
ANSWER: Anicius Manlius Severinus **Boethius**
[10] Boethius produced commentatories on both *On Interpretation* and *Isagoge* [Ice-ah-go-gee], which are by this Neoplatonist philosopher from Tyre.
ANSWER: **Porphyry** <GDC>

18. Integrating a function around a region of the complex plane which contains none of these points yields zero. For 10 points each:
[10] Name these points. These points of f of z correspond to zeroes of one over f of z.
ANSWER: **pole**s [prompt on infinity]
[10] This theorem allows contour integrals in the complex plane to be evaluated. It states that the value of the integral is proportional to the sum of the namesake values of the poles enclosed by the contour.
ANSWER: Cauchy's **residue theorem**
[10] The constant of proportionality in that theorem is this number. This number is equal to the square root of minus one multiplied by the number of radians in a circle.

ANSWER: **2 pi i** [accept **minus two pi i**] <LW>

19. One complex of these things is Watson Brake, a man-made structure in modern-day Louisiana that predates the pyramids, and pre-nineteenth-century theories erroneously identified their creators with Vikings or the Ten Tribes of Israel. For 10 points each:
[10] Name these large-scale ceremonial architectures that provide a collective term for the pre-Columbian peoples of the central and eastern United States.
ANSWER: **mound**s
[10] The emergence of this mound-building culture marked the end of the Woodland period. Hernando de Soto may have encountered the descendants of these people when he explored the area around their namesake major American river.
ANSWER: **Mississippian** [accept **Mississippi**]
[10] This city located near St. Louis was the center of the Mississippian culture and is the largest archaeological site in the United States. In addition to its nearly one hundred mounds, this city was home to a series of large timber circles known as its 'Woodhenge'.
ANSWER: **Cahokia** <CJ>

20. In this film, the protagonist's girlfriend Katie Jagger sings 'There'll Be Some Changes Made' on an imaginary set while he lies in a hospital bed following open-heart surgery. For 10 points each:
[10] Name this semi-autobiographical film that centres on the theatre director Joe Gideon. It shares its name with a song whose singer boasts 'I bet you Lucky Lindy never flew so high'.
ANSWER: *All That Jazz*
[10] 'All That Jazz' is the opening number of this Kander and Ebb musical, in which Velma Kelly and Roxie Hart evade punishment for murder and eventually pair up to form a successful vaudeville act in the title city.
ANSWER: *Chicago*
[10] *All That Jazz* was directed by this man, who also directed *Cabaret* and choreographed *Chicago*. His distinctive dance style included pigeon-toed steps and liberal use of jazz hands, as well as the bowler hats and gloves he wore to cover his physical insecurities.
ANSWER: Bob **Fosse** <CJ>