**GSAC XXIII**Head Edited by Will Overman, written by members of Maggie Walker Quizbowl

**Packet 4**

1. **The Littlewood-Richardson rule gives the coefficients for the linear combination of an example of these objects named for Schur. If these objects are nonconstant and irreducible over the integers, then they are also irreducible over the rationals by Gauss’s lemma. Eigenvalues can be found by solving the (\*)** “characteristic” one of these objects. Descartes’ rule of signs is used to determine how many positive and negative roots they have. For 10 points, name these functions consisting of constants times variables raised to integer powers.

ANSWER: **polynomial**s

2. **An extreme form of this phenomenon resulted in a mental disorder known as zero stroke. In the Fisher equation, this quantity is represented by pi. Milton Friedman called this phenomenon an “old, old disease” and wrote that “the only cure…is to reduce the rate at which total spending is growing.” Some of the costs resulting from the (\*)** unanticipated form of this include shoe-leather costs and menu costs. The Phillips Curve plots it against unemployment. For 10 points, name this quantity measured by the Consumer Price Index, which is the general increase in price level.

ANSWER: **inflation** [accept **hyperinflation** before “pi”]

3. **In the second year of his reign, this leader defeated the Shardana sea pirates to secure his empire’s Mediterranean coast. The inscription at Beit el-Wali commemorates his conquest of Nubia. After both this man and Muwatalli II claimed victory at the Battle of (\*)** Kadesh, they signed the world’s oldest recorded peace treaty in 1259 BCE. Greek sources refer to this man as Ozymandias, a transliteration of his throne name. For 10 points, name this thirteenth Century BCE Pharaoh of Egypt, a man depicted in the giant statue at Memphis.

ANSWER: **Ramses II** [accept **Ramses the Great**, **Ramesses II**, or **Ramesses the Great**]

4. **The speaker of a poem in this form says not to weep because lovers and even stars themselves must part. One of these poems describes how a wren earns its living, and the narrator chews dried salmon on a snowy morning in another one of them. Combining one of these poems with a painting creates a (\*)** haiga. One poem in this form describes a frog jumping into an old pond. The *Narrow Road to the Deep North* alternates between prose and these poems. For 10 points, Basho is considered the master of what 17-syllable, traditionally Japanese poems?

ANSWER: **haiku**s [prompt on “poems by Basho” or “poems by Issa”]

5. **Assassination plots against this man involved using dynamite, as well as removing spikes from the rails in front of his train. During the 1950s, his namesake commission found numerous inefficiencies in the US waste management system. He was appointed head of food distribution in West Germany after WWII due to his successful heading of the US** (\*) Food Administration after WWI.His failure in handling the Bonus Army led FDR to declare, “there is nothing inside the man but jelly!” For 10 points, name this man whose presidency saw the Stock Market Crash of 1929.

ANSWER: Herbert Clark **Hoover**

6. **The protagonist of this work drinks pomegranate juice and soda-water while listening to a guitarist with a prominent Adam’s apple. This work ends with a lengthy discussion of Phaedrus before a character wanders onto a sandbar. Another character in this work authored *Maia* and (\*)** *The Abject* and sits in a chair by the beach every morning while staying at a hotel. The protagonist of this work becomes infatuated with the Polish teenager, Tadzio. For 10 points, name this novella in which Gustav von Aschenbach visits the title city, a work by Thomas Mann.

ANSWER: ***Death in Venice*** [accept “***Der Tod in Venedig***”]

7. **During the siege of Pylos, this figure suffered an arrow wound in the shoulder at the hands of Heracles. This man bound Pirithous with snakes after the latter attempted to steal his wife. This god’s wife turned the nymph Minthe into a plant out of jealousy. During the Titanomachy, the Cyclopes forged a (\*)** helmet for this deity. This god allowed Heracles to take Cerberus as part of the latter’s Twelve Labors. This Olympian forced his kidnapped wife to stay in his realm after consuming pomegranate seeds. For 10 points, name this Greco-Roman deity, the husband of Persephone and ruler of the Underworld.

ANSWER: **Hades** [accept “**Pluto**” or “**Plouton**” or “**Aides**” or “**Aidoneus**”]

8. **In Marcus theory, a form of this quantity is equal to the square of reorganization energy plus Gibbs free energy all divided by four times reorganization energy. This quantity is replaced by Gibbs free energy in the Eyring equation, and it appears in the numerator of the exponential term in the (\*)** Arrhenius equation. This quantity is equal to the difference between the transition state and the initial state on a potential energy diagram. For 10 points, name this energy required for a reaction to take place, which is lowered by catalysts.

ANSWER: **activation energy**

9. **One ruler of this empire passed the Fundamental Law, creating a bicameral legislature with both a Senate and Chamber of Deputies. Elites in this empire’s army revolted after reforms added a new branch to the armed forces, the Nizam-I Cedit Infantry Corps. The (\*)** Tanzimat reforms were an attempt to Westernize this empire’s culture and technology. In 1908, tensions within this empire caused the formation of a revolutionary party headed by Grand Vizier Ahmed Pasha. For 10 points, name this empire whose dissolution in 1922 lead to the formation of modern-day Turkey.

ANSWER: **Ottoman Empire**

10. **A member of this family shot down rumors that she received Blac Chyna’s repainted G-Wagon. One person with this last name was depicted in a Balmain ad with her sister and walked for Karl Lagerfield’s Chanel runway. One member of this family experienced a car crash and underwent (\*)** surgery to appear more feminine. Another member of this family inspired a viral “lip challenge.” One member of this family won the Glamour ‘Woman of the Year’ award and was featured on the cover of Vanity Fair. For 10 points, name this last name shared by Kendall, Kylie, and Caitlyn.

ANSWER: **Jenner**

11. **Some celebrants of this holiday consume dairy products to commemorate Judith’s beheading of Holofernes. Others recite Psalm 91 seven times after completing a certain action during this holiday. A hymn sung during it declares “deliverance has too long been delayed.” That hymn is (\*)** Ma’oz Tzur. A traditional item used in this holiday is inscribed with letters representing nes, gadol, hayah, and sham. The Maccabean revolt is commemorated and the shamash candle plays a central role in this holiday. For 10 points, name this eight-day holiday that celebrates the Miracle of the Temple by lighting the menorah.

ANSWER: **Hanukkah** [accept **Festival** of **Lights**]

12. **This group was originally a splinter cell of the larger Izala Society. The Council of Ulama advised the government not to broadcast messages from this group. One nation launched Operation Flush against this group in 2009, killing its founder, (\*)** Mohammad Yusuf. This group carried out bombing campaigns during the inauguration of Goodluck Jonathan. Its leader, Abubakar Shekau, has pledged allegiance to ISIS. This group was responsible for the kidnapping of 276 Nigerian schoolgirls. For 10 points, name this terrorist group whose name signifies its opposition to Western education.

ANSWER: **Boko Haram** [accept “**Jama'atu Ahlis Sunna Lidda'Awati Wal-Jihad**”, “**Wilāyat al Sūdān al Gharbī**” or “**I**slamic **S**tate's **W**est **A**frica **P**rovince]

13. **Richard Neutra designed the Jardinette Apartments and Lovell house located in this city. Greene & Greene designed the Gamble House in its outskirts, and Thom Mayne won the Pritzker prize for his design of a department of transportation headquarters in this city. A tram takes you to a large campus overlooking this city whose (\*)** Central Garden was designed by Robert Irwin. The buildings on that campus consist mainly of white blocks, in accordance to the style of its architect Richard Meier. The Getty Center is located in, for 10 points, what city that also contains Frank Gehry’s Walt Disney Concert Hall?

ANSWER: **Los Angeles** [accept “**L.A.**,” prompt on “Pasadena”]

14. **This author wrote a poem describing  "Buffaloes, blizzards, way down in Texas" which says, "There is a God, there must be a God, how can there be rain or sun unless there is a God?" This poet wrote that "Death" is a "beautiful friend who remembers" in his “Under the Harvest Moon.” (\*)** "Pile the bodies high at Austerlitz and Waterloo" is the opening line of his poem “Grass,” while this poet opened another work by noting that the title object “comes on little cat feet.” This author of “Fog” called a title city the "Hog Butcher for the World." For 10 points, name this poet who wrote “Chicago.”

ANSWER: Carl **Sandburg**

15. **This process is often followed by a process of regulating gene expression that utilizes the Dicer enzyme. Sigma factors initiate this process that begins at the Pribnow box in prokaryotes, while in eukaryotes this process begins at the (\*)** TATA box. Poly(A) tails are added at the end of this process. Viruses like HIV are classified due to their ability to perform this process in reverse. RNA polymerase catalyzes the beginning of this process whose product is transported to ribosomes to be translated. For 10 points, name this process that converts DNA to mRNA.

ANSWER: **transcription**

16. **This painter painted a portrait of one of his pupils, Amelia Van Buren. He painted two men walking behind a boxer who waves to an audience in his *Salutat*. Another one of his paintings shows a man in a boat floating on the Schuylkill River. Along with *Max Schmitt in a Single Scull*, one of his most famous paintings shows the title (\*)** doctor lecturing a group of students. This artist included himself in a painting that features six nude boys swimming outdoors. For 10 points, name this realist painter of *The Swimming Hole* and *The Gross Clinic*.

ANSWER: Thomas **Eakins**

17. **While sleepwalking, this character’s husband bends over her and murmurs the words “dead, dead, dead”. This character, whose son Sorrow died in infancy, kills a flock of injured pheasants. Before she is executed, this character begs her husband, who has returned from Brazil, to marry Liza Lu. At (\*)** Talbothays Dairy, this character becomes friends with Marian, Retty, and Izz. This character stabs Alec for raping and deceiving her, and runs away with Angel Clare. For 10 points, name this “pure woman faithfully presented”, the title character of a novel by Thomas Hardy.

ANSWER: **Tess** Durbeyfield [or “**Tess** of D’Urbervilles”]

18. **This future leader denounced his country’s PSI party due to their belief in neutrality during the First World War. This man passed the Lateran Treaty in order to settle a border dispute in his country. He planned a surprise assault on British forces in Egypt, only to have his tanks run out of fuel 60 miles from the border. (\*)** German commandos led byOtto Skorzeny rescued this man via glider from a ski resort. This man led the Blackshirts, on a march towards Rome in 1922. Captured and killed by partisan forces in 1945, for 10 points, name this Fascist Italian dictator.

ANSWER: Benito Amilcare Andrea **Mussolini**

19. **In one work by this composer, the time signature changes from 4/4 to 3/2 to 3/4 to 5/4 in the first six measures. This composer’s Corral Nocturne theme was partially written by Leonard Bernstein and he used lines from the Gettysburg Address in (\*)** *A Lincoln Portrait*. He included a kiss between Roper and Cowgirl during a “Hoe-Down” in one of his ballets and featured the Shaker hymn “Simple Gifts” in another ballet that was choreographed by Martha Graham. For 10 points, name this American composer of *Rodeo* and *Appalachian Spring.*

ANSWER: Aaron **Copland**

20. **These particles are collided together in the hypothetical Breit-Wheeler process. These spin 1 particles carry a force described by the U(1) symmetry group. Two of these particles are created in the annihilation of an electron and a positron, and they are symbolized by (\*)** gamma. One of these particles is created with identical properties to the incident one in stimulated emission. Fluorescent materials emit these particles. Their energy is given as Planck’s constant times their frequency. For 10 points, name these massless particles that are the quanta of light.

ANSWER: **photon**s

TB. **In one poem, the speaker claims that this “mourning figure walks, and will not rest” as he “cannot sleep on his hillside now”. The image of a “coffin that passes through lanes and streets” appears in an elegy about this figure in which the author mourned when “the great (\*)** star early droop’d in the western sky at night.” The speaker of another poem implores this figure “to rise up and hear the bells” after he has “fallen cold and dead. ”For 10 points, name this Presidential subject of “When Lilacs Last in the Dooryard Bloom’d” and “O Captain! My Captain!” by Walt Whitman.

ANSWER: Abraham **Lincoln**

1. Name some US treaties signed before 1800. For 10 points each:

[10] Named after the French city where it was signed, this 1783 treaty formally ended the American Revolutionary War.

ANSWER: Treaty of **Paris**

[10] This treaty’s namesake negotiated it with Britain to end the impressment of US sailors, as well as to facilitate trade between the two nations.

ANSWER: **Jay**’s Treaty [accept “Treaty of **London of 1794**”]

[10] This treaty established friendly relations between the US and Spain. It granted the US trade rights in both New Orleans and on the Mississippi River, and ended border disputes in West Florida.

ANSWER: **Pinckney’s** Treaty [accept “Treaty of **San Lorenzo**” or “Treaty of **Madrid**”]

2. This man worked with Luis Buñuel on the films *Un Chien Andalou* and *L’Age d’Or*. For 10 points each:

[10] Name this surrealist Spanish painter of *Soft Construction with Boiled Beans.*

ANSWER**:** Salvador Domingo Felipe Jacinto **Dalí** i Domènech

[10] This Dali painting depicts several melting clocks on the Cap de Creus peninsula in Catalonia. A swarm of ants is present on the pocket watch in this work.

ANSWER**:** *The* ***Persistence of Memory*** [or *La* ***persistencia de la memoria***]

[10] Dali depicted these animals with long, spindly legs carrying obelisks on their backs in several of his works. Another of his paintings is titled *Swans Reflecting* [these animals].

ANSWER**: elephant**s

3. The existence of these particles was determined by deep inelastic scattering at SLAC. For 10 points each:

[10] Name these particles that combine to form protons and neutrons and come in up, down, top, bottom, strange, and charm flavors.

ANSWER: **quark**s

[10] Independently of Stefan Zweig, this physicist proposed the existence of quarks. The flavor symmetries between quarks can be used to understand his Eightfold Way.

ANSWER: Murray **Gell-Mann**

[10] According to the Gell-Mann-Nishijima formula, charge is equal to half the sum of baryon number and strangeness all plus this quantity first introduced by Heisenberg.

ANSWER: **isospin** [accept **isotopic spin** or **isobaric spin**, prompt on **I** or **I3**]

4. This man commanded the armies of the Republic of Rio Grande do Sul, waging the Ragamuffin War against the Empire of Brazil, for 10 points each:

[10] Name this general known for his central role in the Risorgimento movement. He led the Expedition of the Thousand against the Kingdom of Two Sicilies with his redshirts.

ANSWER: Giuseppe **Garibaldi**

[10] Garibaldi hailed from this nation, which he had worked to unify. At Teano, Garibaldi handed the kingdom of this nation to King Victor Emmanuel II.

ANSWER: **Italy**

[10] This Franco-Italian victory over Austria liberated Lombardy, but not Venetia, due to Napoleon III’s early withdrawal. Jean-Henri Dunant established the Red Cross after this battle.

ANSWER: Battle of **Solferino**

5. This apostle was converted to Christianity along the road to Damascus. For 10 points each:

[10] Name this early apostle who wrote an epistle to the Romans and 1st and 2nd Corinthians.

ANSWER: **Paul** the Apostle

[10] In 1st Corinthians, Paul wrote that this concept “is patient” and that it “is kind.” Jesus said to feel this emotion for your neighbor as you do for yourself.

ANSWER: **love** [accept “**charity**” for King James readers]

[10] Paul emphasized our inability to fully understand reality by using this four-word phrase near the end of chapter 13 in 1st Corinthians. Ingmar Bergman used this phrase to title a 1961 film.

ANSWER: “**through a glass, darkly**”

6. Name some recent popular horror games. For 10 points each:

[10] Name this indie series created by Scott Cawthon which features multiple animatronics.

ANSWER: **Five Nights at Freddy’s**

[10] This interactive game takes place after the deaths of Hannah and Beth and features a motion-captured acting performance by Hayden Panettiere.

ANSWER: **Until Dawn**

[10] The playable trailer for this series makes the player walk into never-ending loop of entering the same hallway, which slightly changes upon each entrance.

ANSWER: **Silent Hill**

7. This operation is defined as the improper integral from zero to infinity of e to the power of negative s t multiplied by the relevant function of t. For 10 points each:

[10] Name this operation that aids in solving differential equations by converting them into algebraic equations.

ANSWER: **Laplace** transform

[10] Another method for solving differential equations is by using these power series that are found by taking the n-th derivative of a function at a point and dividing by n factorial. They’re called Maclaurin series when centered around zero.

ANSWER: **Taylor** series

[10] The first term in the Taylor series for cosine is this number, which makes sense considering the cosine of zero is equal to this number.

ANSWER: **one**

8. The protagonist of this novel finds a pamphlet titled “The Black Plague” when she comes back from New York to visit her father. For 10 points each:

[10] Name this novel in which the protagonist is horrified to find Henry and her dad at a Citizen’s Council meeting.

ANSWER:  ***Go Set a Watchman***

[10] The protagonist of *Go Set a Watchman* is this daughter of Atticus Finch.

ANSWER: **Scout** **Jean** Louise Finch  [accept either underlined part]

[10] Like the much more inspiring *To Kill a Mockingbird*, *Go Set a Watchman* was written by this author.

ANSWER: Harper **Lee**

9. This philosopher wrote a roman à clef about French intellectual life in her book *The Mandarins*. For 10 points each:

[10] Name this French existentialist and feminist who addressed the paradoxes of radical freedom in *The Ethics of Ambiguity*.

ANSWER: Simone de **Beauvoir**

[10] Beauvoir’s most famous work is this two-volume landmark of first-wave feminism, which stated that "one is not born, but becomes, a woman."

ANSWER: *The* ***Second Sex*** [or *Le* ***Deuxieme Sexe***]

[10] This intermittent lover of Beauvoir used the example of a phony waiter to demonstrate his concept of “bad faith” in *Being and Nothingness*. He also wrote *Existentialism and Humanism*.

ANSWER: Jean-Paul **Sartre**

10. The benevolent and seemingly evil Sarastro kidnaps Pamina in this opera, but it is later revealed that the Queen of the Night is the real antagonist. For 10 points each:

[10] Name this opera in which Tamino falls in love with Pamina and uses the title instrument to turn sorrow into joy while proving his worthiness to Isis and Osiris.

ANSWER: *The* ***Magic Flute*** [accept ***Die Zauberflöte***]

[10] *The Magic Flute* was by this Austrian composer of *The Marriage of Figaro*. He also wrote the *Jupiter Symphony*.

ANSWER: Wolfgang Amadeus **Mozart**

[10] *The Magic Flute* contains an excerpt from this German composer’s *Canon in D Major*. This Baroque composer also wrote *Hexachordum Apollinis*.

ANSWER: Johann **Pachelbel**

11. Name some characteristics of the Era of Shame in China. For 10 points each:

[10] A series of these wars ensued after Great Britain continued to export the namesake drug into China. It ended with the signing of the so-called “Unequal Treaties”.

ANSWER: **Opium** Wars

[10] This rebellion occurred concurrently with the Second Opium War. The leader of this rebellion saw himself as the younger brother of Jesus, and set-up a rival government in Nanjing.

ANSWER: **Taiping** Rebellion

[10] This Manchu dynasty put down the Han-led Taiping Rebellion, although the sheer cost of lives forever weakened its already diminishing power.

ANSWER: **Qing** Dynasty [accept “**Qing** Empire”, “Great **Qing**” or “Empire of the Great **Qing**”]

12. This character tries to seduce the fifteen-year-old sister of a guy who later pays off his debts. For 10 points each:

[10] Name this womanizing soldier who elopes with the young and impulsive Lydia.

ANSWER: Mr. **Wickham**

[10] This character, who pays off Mr. Wickham’s debts, marries the second eldest Bennet daughter, Elizabeth.

ANSWER: Mr. **Darcy**

[10] Mr. Wickham, Mr. Darcy, and Elizabeth Bennet all appear in this Jane Austen novel.

ANSWER: ***Pride and Prejudice***

13. His wife was turned into a deer before he met her, and Fear Doirich turns her back into a deer after this man leaves his country, for 10 points each:

[10] Name this leader of the Fianna, the hero of the Fenian Cycle.

ANSWER: **Finn MacCool** [or **Fionn mac Cumhaill**]

[10] Finn MacCool burnt his thumb while trying to prepare this animal that granted its consumer a bunch of knowledge.

ANSWER: **salmon** of wisdom

[10] Finn MacCool is a folk hero from this island, where he is said to be sleeping in a cave even today. This island is to the west of Great Britain.

ANSWER: **Ireland** [or **Éire]**

14. This animal lived a shorter life than average, possibly due to being born with shortened telomeres. For 10 points each:

[10] Name this animal created by the Roslin institute in 1996 using somatic cell nuclear transfer.

ANSWER: **Dolly**

[10] Dolly was one of these mammals, the first animals to be cloned from adult cells.

ANSWER: domestic **sheep** [accept “**lamb**”]

[10] Jacob sheep are used to study the *G444R* mutation in the HEXA gene, which is thought to cause this disease.

ANSWER: **Tay-Sachs** disease

15. This short story concerns a title location that consists of infinite hexagons. For 10 points each:

[10] Name this short story about a title location that contains every possible permutation of 25 characters in 410-page books.

ANSWER: “The **Library of Babel**”

[10] This Argentine author included “The Library of Babel” and “The Garden of Forking Paths” in his short story collection, *Ficciones*.

ANSWER: Jorge Luis **Borges**

[10] In this other story by Borges, the poet Carlos Daneri insists that he needs the title infinite object in order to finish his work.

ANSWER: “The **Aleph**”

16. These elastic waves obey the continuity equation of incompressible media. For 10 points each:

[10] Name these transverse seismographic waves that are named for the fact that they often arrive to a seismograph after the longitudinal waves.

ANSWER: **S**-waves [accept “**secondary**” waves, accept “**shear**” waves]

[10] Interference of S-waves can lead to the formation of these polarized surface waves. These waves travel faster than Rayleigh waves but slower than P and S waves.

ANSWER: **Love** waves [accept “**Q**-waves”]

[10] S-waves, P-waves, and Love waves are all produced during these seismic events measured on the moment magnitude or Richter scales.

ANSWER: **earthquake**s

17. Name some things about new world leaders, for 10 points each:

[10] The 2015 Canadian general election resulted in this man’s becoming Prime Minister, beating the incumbent Stephen Harper. His father Pierre was also Prime Minister.

ANSWER: **J**ustin Pierre James **Trudeau** [prompt on “Trudeau”]

[10] In September of 2015, Malcolm Turnbull challenged Tony Abbott’s position as Prime Minister of this country, and won the subsequent ballot of Liberal MPs and senators.

ANSWER: Commonwealth of **Australia**

[10] Mauricio Macri of the PRO won the runoff of the 2015 general election in this nation. He will succeed Cristina Fernández de Kirchner as President of this country.

ANSWER: República **Argentina** [or **Argentine Republic**]

18. This character blows a horn named Oliphant so hard that his temple explodes. For 10 points each:

[10] Name this title character who serves in Charlemagne’s army in an early work of French literature.

ANSWER: **Roland**

[10] Roland owns one of these weapons named Durendal. Arthur became king by pulling one of these from a stone.

ANSWER: **sword**

[10] Roland is betrayed by this guy, who happens to be his stepfather. He gives away Roland’s position to Marsilla’s army.

ANSWER: **Ganelon**

19. The concrete cantilevers of this building have experienced noticeable deflection. For 10 points each:

[10] Name this Pennsylvania house designed for Edgar Kaufmann near the Bear Run river.

ANSWER: **Fallingwater**

[10] This Prairie School architect designed the Guggenheim Museum in New York and Fallingwater.

ANSWER: Frank Lloyd **Wright**

[10] Wright used tree-like columns with lily pads on top in the Great Workroom of this headquarters building in Racine, Wisconsin.

ANSWER: **Johnson** Wax Headquarters [accept “S.C. **Johnson** Research Tower” or anything else with “**Johnson**” in it]

20. One historian argues that the creation of one of these alliances was for personal gain, rather than to achieve any real political goal. For 10 points each:

[10] Give the name of a three-man political alliance. The first Roman one of these was founded by Julius Caesar in 59 BCE.

ANSWER: **Triumvirate**

[10] This man and Crassus were also part of the First Triumvirate. Elected Consul in 52 BCE, he failed to prevent Caesar from returning to Rome with his army, causing a civil war.

ANSWER: **Pompey** the Great [accept “Gnaeus **Pompeius Magnus**”]

[10] Crassus died fighting against this empire at the battle of Carrhae in 52 BCE. This empire was famed for its horse archers that utilized a namesake shot, involving firing arrows at the enemy while simultaneously retreating at full gallop.

ANSWER: **Parthia**n Empire [accept “**Arsacid** Empire”]

Extra. This magical realist novel deals with India’s transition from British rule to independence. For 10 points each:

[10] Name this book narrated by Saleem Sinai, who was born on August 15, 1947, India’s independence day.

ANSWER: ***Midnight’s Children***

[10] This British-Indian author of *Midnight’s Children* was issued a fatwa calling for his assassination by the Ayatollah Khomeini for his novel *The* *Satanic Verses*.

ANSWER: Salman **Rushdie**

[10] This “half and halfer” in *Midnight’s Children*, the grandfather of Saleem Sinai and father of Amina, struggles with the existence of God throughout the novel.

ANSWER: **Aadam** **Aziz** [accept either name]