SNEWT II: Grandson of QOTC
Tossups by JHU A

1. Rosa Coldfield, the sister-in-law of the main character, tells the story, which concerns a poor West Virginian named Thomas Sutpen who moves to Mississippi and tries to be accepted as a Southern aristocrat. His plantation is left in ruins after the Civil War and his daughter Judith becomes a spinster after her husband's death. FTP, name this 1936 William Faulkner book whose title comes from an Old Testament name.

Answer: _ABSALOM! ABSALOM!_
2. It stands on a plateau of about 35 acres and is surrounded by a reddish brick wall. It consists largely of two rectangular courts, the Court of the Myrtles and the Court of the Lions; the latter contains an alabaster fountain supported by 12 marble lions. While serving as a diplomatic attache, Washington Irving spent much time here and later wrote about it. FTP, name this 13thcentury palace whose name in Arabic means red castle and which stands in Granada, Spain.

Answer: The _ALHAMBRA_
3. Her independent tours began in 1914 under the management of her husband, Victor Dandre. Her performances in Excerpts, "The Girl Poorly Managed," and "Giselle" demonstrated her excellence as an interpreter, but she made her only choreographic effort in 1918 with "Autumn Leaves". FTP name this dancer most famous for her solo "The Dying Swan," choreographed by Michael Fokine, who became a prima ballerina in 1906 before her tours with the Ballet Russes.

## Answer: Anna_PAVLOVA_

4. Blood supply to this organ is provided by both an artery carrying oxygenated blood and a portal vein carrying blood that has flowed past the gastrointestinal tract. Within the organ, blood flows through small capillaries called sinusoids, which form a complex network with cuniculi. It is here that reabsorption of bile occurs and detoxification is performed by hepatocytes. FTP, name this largest gland in the body.

Answer: _LIVER_
5. The character of Atticus in Alexander Pope's _Epistle to Dr. Arbuthnot_ is meant to portray this man. His most famous poems are "The Campaign", which celebrates the battle of Blenheim, and "The Spacious Firmament on High:. His musical play _Rosamond_ spoofs Italian opera. FTP
name this writer who is best known for the tragedy _Cato_ and for his essay contributions to "The Tatler" and "The Spectator" with his associate, Richard Steele.

Answer: Joseph_ADDISON_
6. This group was started by Hassan-I-sabbah in the late 11th century and had as its headquarters the mountain stronghold of Alamut in Persia and later the Syrian location of Masqad. They attacked Crusaders and rival Islamic sects and could not even be destroyed by Saladin. They were finally crushed in the 13th century by the Tatar prince Hulegu. FTP, name this sect, whose name is derived from hashish and whose name is now usually applied to those who murder prominent people.

## Answer: _ASSASSINS_

7. In 1997, he made 12 errors, the most of any outfielder in the majors, but his defense isn't what has everyone talking. He recently broke Henry Rodriguez's club record of 34 home runs in a season, and this is just his first full season. He plays for the organization which has also produced John Wetteland, Marquis Grissom, Larry Walker and Randy Johnson, but it appears that he will stay after signing a 5-year contract. FTP, name this player whose brother Wilton also plays for the Expos.

## Answer: Vladimir _GUERRERO_

8. Much of the city is built on land reclaimed from Port Nicholson, and it is the end point of the natural gas pipeline from the Kapuni field. Lying on the southern tip of North Island, its access to the Cook Strait allows shipping to the Tasman Sea. FTP, name this city, the capital of New Zealand.

## Answer: _WELLINGTON_

9. He is a parallel character to the Babylonian Tammuz and was the result of an incestuous relationship between Myrrha and her father Cinyras. He was given by Aphrodite to Persephone in a chest for safe keeping, but Persephone fell in love with him after opening the chest. An agreement was reached by Zeus that he should spend half the year with each goddess. In some versions of the legend, however, he was killed by a boar. FTP name this beautiful youth of Greek myth.

## Answer: _ADONIS_

10. It is seldom used in industrial scale applications because a large amount of work must be supplied during the isothermal compression step. Other steps performed by this engine include an adiabatic expansion and compression, and the entire process is reversible, making it cyclical. The work obtained from this type of engine is equal to the heat flow minus the ratio of the two operating temperatures times the heat flow, and is completely independent of the working fluid. FTP, name this most efficient type of engine.

## Answer: _CARNOT_ heat engine (accept carnot cycle)

11. His father, Vincenzo, played an important role in the conversion of music from polyphony to harmonic modulation. Born in 1564, he worked as a professor in Padua and was rewarded with a salary increase and lifelong tenure when he gave the Doge a telescope as a present. His
academic career, however, as well as his reputation was hurt in 1633 when he was sentenced to permanent house arrest. For ten points, name this Italian, persecuted by the church for heresy because he argued for the Copernican theory of planetary motion.

Answer: _GALILEO_Galilei
12. He is currently the chairman of the Commission on the Policing of Northern Ireland, a post that will probably land him in as much controversy as his previous one. He has also been in a battle to get his book published, and has sued Harper Collins for not printing "East and West: China, Power and the Future of Asia". FTP, name this man who introduced democratic elections to Hong Kong while he was governor.

Answer: Christopher_PATTEN_
13. He trained as a goldsmith under his father and completed his first painting in 1490 after traveling to Uffizzi and Florence and after an apprenticeship under Michael Wahlgemuth. He was greatly influenced by Andrea Mantegna and his early masterpieces include "St. Jerome Curing the
Lion" and the "Dresden Altarpiece". FTP name this artist who created the Great Passion Series, "Melancholia I", "The Four Horsemen of the Apocalypse" and many other engravings and woodcuts.

Answer: Albrecht_DURER_
14. It is nearly 183 thousand square miles in area and has a population exceeding 35 million. It is home to the Achinese, Batak, and Minangkaobou ethnic groups. The Barison Mountains extend 1000 miles with the islands highest point of Mount Kerinci. Though not home to its country's capital city, it is the largest island completely owned by that nation. FTP, name this island where one could sail from the Malacca or Sunda Straight and which is part of Indonesia.

## Answer: _SUMATRA_

15. He believes that he could aid mankind with his newly acquired money and feels that by transgressing the law he shows a boldness that puts him on the same level as Napoleon. His conscience tortures him and he turns to Sonya Marmeladovna, a prostitute, for sympathy. The police inspector, Porfiry Petrovich, is closing in on him and he at last confesses to murdering a pawnbroker. FTP, name this man, the main character in Dostoyevsky's Crime and Punishment.

Answer: Rodion (Rodya) _RASKOLNIKOV_
16. The reducing environment in the cytoplasm prevents their formation unless proteins are directly translated into the endoplasmic reticulum. They can occur both intermolecularly and intramolecularly, and significantly contribute to the tertiary and quaternary structures of proteins. For instance, they allow the alpha and beta chains of insulin to combine into a single protein. FTP, name these bonds formed by cysteine residues.

Answer: _DISULFIDE_ linkages (accept sulphur-sulphur bond or equivalent)
17. He was inspired by the compositions of Strauss and Debussy, but also drew from gypsy and peasant folk music as well as Arab styles, which can be seen in one of his six string quartets. His musical career started shortly before his travels with Zoltan Kodaly, a fellow composer. He composed only one large scale choral work, "Cantata Profana" in addition to the ballet, "The Wooden Prince". FTP name this composer of "The Miraculous Mandarin" and "Duke Bluebeard's Castle", a member of the Hungarian Academy of Music from 1907 to 1934.

## Answer: Bela _BARTOK_

18. It is roughly 25 miles in diameter. The Aras River and a low pass on its west separate it from ridges leading to the Taurus ranges. It takes its name from an Assyra-Babylonian kingdom of the 9th to 7th centuries B.C. and stands at the junction of Armenia, Iran and Turkey. FTP name this Turkish Mountain said to be the resting place of Noah's Ark.

Answer: Mount _ARARAT_
19. He wrote _Literature and Revolution_and _The Defence of Terrorism_, but is not famous as an author. He was educated mostly in Odessa and was twice exiled to Siberia for revolutionary activities before going into exile in Europe and America during the years 19051917. During the

Russian Revolution and Civil War, he served on the War Commission and negotiated the Treaty of Brest-Litovsk as Commissar for Foreign Affairs. FTP name this man murdered by Ramon Mercador, whose real name was Lev Bronstein.

Answer: Leon_TROTSKY_ (accept Bronstein on early buzz)
20. An experimental commune was established in Hunan province and the system soon spread throughout the country. Peasants were organized into brigade teams and communal kitchens were established. Agricultural and political decisions were decentralized, multitudes of smallscale steel
furnaces were erected throughout the countryside and ideological purity was stressed over expertise. FTP name this collectivization and industrialization effort whose confusion and waste is reckoned to have caused the starvation of 20 to 30 million peasants between 1958 and 1967 in China.

## Answer: _GREAT LEAP FORWARD_

He's not Wayne Gretzky, but he was born in Brantford, Ontario. He's not David Crosby, but he used to live in Encino, California. He's not Hank Azaria, but he has won an Emmy award and also did voices for the Simpsons. FTP, name this comedian who's not Gilda Radner but is also a former member of the Saturday Night Live cast to die in an untimely manner when he was shot by his wife Brynn, who then apparently committed suicide.

Answer: Phil_HARTMAN_

SNEWT II: Grandson of QOTC
Bonuses by JHU A

1. Name these Italian terms used in musical notation for the stated number of points.
a) A gradual decrease in volume.

Answer: _DECRESCENDO_ or _DIMINUENDO_
b) Meaning slow and broad, it is usually the slowest tempo found on a metronome.

Answer: _LARGO_
c) This is drawing the bow gently across the strings near the bridge of the instrument.

Answer: _FLAUTANDO_
2. Answer the following questions about pH chemistry FTP each
a) This quantitative process uses a burette to add a known amount of one liquid to another until a noticeable reaction occurs.

Answer: _TITRATION_
b) A common indicator in titration is this organic compound which turns from clear to pink in the pH range of 8 to 10 .

Answer: _PHENOLPHTHALEIN_
c) This equation, derived from the definition of pKa , can be used to calculate the pH of a buffered solution.

Answer: _HENDERSON-HASSELBACH_ equation
3. The U.S. Olympic hockey team was not the only one to go to Nagano and come home disappointed. Answer the following questions about the Canadian team FTP each.
a) This may have been the last international competition for this player. Name this New York Ranger, also known as the Great One.

Answer: Wayne _GRETZKY_
b) This Colorado Avalanche goalie has said that he wouldn't have traded any of his 3 Stanley Cup rings for Olympic gold.

Answer: Patrick _ROY_
c) This captain of the Canadian team now hopes to lead his Philadelphia Flyers to the Stanley Cup.

Answer: Eric _LINDROS_
4. Answer the following questions about long-lasting ruling bodies FTP each.
a) The first dynasty for which there is historical evidence, it was also China's longest. It lasted from the 18 th to the 12 th century BC.

Answer: _SHANG_or_YIN_
b) This English house reigned from 1154 to 1485 and provided 14 kings.

Answer: _PLANTAGENET_
c) This Liberal was elected Prime Minister of Canada a remarkable 5 times during the period of 1921 to 1948, and was Prime Minister for a total of 22 years.

Answer: William Lyon Mackenzie _KING_
5. $5-10-15$. Identify these philosophers associated with analytical philosophy from their works.
a) "Tractatus Logico-Philosophicus", "Philosophical Investigations"

Answer: Ludwig _WITTGENSTEIN_
b) "Human Knowledge, Its Scope and Limits", "An Inquiry into Meaning and Truth", "The Principles of Mathematics".

Answer: Bertrand _RUSSELL_
c) "A Rational Animal", "The Thinking of Thoughts", "The Concept of Mind"

Answer: Gilbert _RYLE_
6. Name the novel from clues. 30-20-10.

30: Its basis was 26 chapters of the unfinished work _Stephen Hero_, which the author condensed into 5 chapters.

20: In the final chapter, the protagonist describes the concept of epiphany to an acquaintance named Cranly.

10: Stephen Daedalus is the main character in this semi-autobiographical work by James Joyce.

Answer: _A PORTRAIT OF THE ARTIST AS A YOUNG MAN_
7. Identify the composer from works. 30-20-10.

30: La Vie Parisienne, La Grande-Duchesse de Gerolstein, and La Perichole
20: La Belle Helene, Orpheus aux Enfers (Orpheus in the Underworld)
10: Tales of Hoffmann
Answer: Jacques _OFFENBACH_
8. Answer these questions about Irish history FTP each.
a) He led the Home Rule movement in the late 19th century, but was denounced by the Irish Catholic church after knowledge of his adulterous affair with Kitty O'Shea became known.

Answer: Charles Stewart _PARNELL_
b) For 10 points if exact, or 5 points if within 5 years, when was the Irish Free State established?

Answer: 1922 (5 points from 1917 to 1927)
c) This 1690 battle saw the forces of William of Orange decisively defeat those loyal to the ousted King James II.

Answer: Battle of the _BOYNE_
9. Identify these works by Virginia Woolf FTP each.
a) Subtitled "A Biography", the title character is a sixteenth century man who is transformed into a twentieth century woman.

Answer: _ORLANDO_: A Biography
b) This book tells the story of the Ramseys, an English family in the Hebrides who come into contact with Lily Briscoe, Mr. Tansley and Mr. Carmichael

Answer: _TO THE LIGHTHOUSE_
c) All the events in this novel take place in a fixed 12 hour period. The 1997 movie version starred Vanessa Redgrave and Natascha McElhone as the title character.

Answer: _MRS. DALLOWAY_
10. Tell me what type of biological macromolecule each of these methods is used for FTP each (moderator note: do not read any answers until the end of the question)
a) Western blotting

Answer: _PROTEIN_
b) Southern blotting

Answer: _D_eoxyribo _N_ucleaic _A_cid
c) Northern blotting

Answer: _R_ibo_N_ucleic _A_cid
11. Given the closing lines from a poem, identify it FTP each.
a) "What immortal hand or eye dare frame thy fearful symmetry?"

Answer: The _TYGER_
b) "To strive, to seek, to find, and not to yield"

Answer: _ULYSSES_
c) Beauty is truth, truth beauty, -- that is all ye know on earth, and all ye need to know."

Answer: _ODE ON A GRECIAN URN_
12. In Norse mythology the trickster God Loki sired three children.
a) For five points apiece, name them.

Answer: _FENRIR_or_FENRIS_Wolf,_MIDGARD SERPENT_,_HEL_a
b) For five more points, in what final battle do Loki, his children, and the giants fight the gods?

Answer: _RAGNAROK_
c) For five points apiece, in the battle of Ragnarok, who kills Fenrir and who kills the Midgard Serpent?

Answer: _VIDAR_kills Fenrir, _THOR_kills the Midgard Serpent
13. $\mathbf{5 - 1 0 - 1 5}$. It's time for fun math in different bases! Do the following addition problems in the base indicated for the stated number of points (note to moderator, it would probably just be easiest to read the digits, allow 5 seconds each)
a) In binary, 10101 plus 10101

Answer: _101010_
b) In base 7, 666 plus 666

Answer: _1665_
c) In hexadecimal (base 16), 3F59 plus 7F96. Use A for 10, B for 11, etc.

Answer: _BEEF_
14. Answer the following questions about cubism FTP each.
a) This large 1907 composition was one of Picasso's earliest cubist works, and showed 5 prostitutes on a street in Barcelona.

Answer: _LES DEMOISELLES DAVIGNON_
b) This painter worked closely with Picasso between 1910 and 1912 helping to design the style known as analytical cubism.

Answer: Georges _BRAQUE_
c) This Spaniard, born Jose Victoriano Gonzalez, used a style known as synthetic cubism in works like "The Breakfast Table", "Sunblind" and "The Open Window"

Answer: Juan _GRIS_
15. Identify the following short story collections from titles FTP each.
a) The Battler, The Three Day Blow, Soldier's Home

Answer: _IN OUR TIME_
b) The Sisters, Ivy Day in the Committee Room, The Dead

Answer: _DUBLINERS_
c) Hands, The Untold Lie, Godliness (A Tale in Four Parts)

Answers: _WINESBURG, OHIO_
16. Mark McGwire has broken Roger Maris' single-season home run record, but not without some controversy. Answer the following questions about McGwire's use certain supplements FTP each.
a) The center of the debate has been over the use of "andro", a direct precursor of testosterone. FTP, give the full name of andro.

Answer: _ANDROSTENEDIONE_
b) Another supplement that McGwire is taking is the powdered form of this protein, whose phosphate form can provide energy in muscles. Its relatively constant breakdown also makes it a good indicator of urine flow rate.

Answer: _CREATINE_
c) McGwire isn't the only baseball player to be using andro. This Toronto Blue Jay, the first 40-40 man, is also taking the hormone.

Answer: Jose _CANSECO_
17. Answer the following questions about the CDC for the stated number of points.
a) The forerunner of the modern day CDC was called the Communicable Disease Center. F10P, what does CDC stand for now?

Answer: _CENTERS FOR DISEASE CONTROL_
b) F5P, in what city is the CDC located?

Answer: _ATLANTA_, Georgia
c) This man worked for the CDC from 1949 to 1970, and he also created and headed the Epidemic Intelligence Service. F15P, name this man who shares his name with an isotherm that describes the activity of a heterogeneous catalyst.

Answer: Alexander_LANGMUIR_
18. Here's a bonus on superconductivity. Answer the following FTP each.
a) This Dutch physicist who won the 1913 Nobel Prize for physics discovered superconductivity.

Answer: H. Kammerlingh _ONNES_
b) Kammerlingh Onnes discovered superconductivity when he cooled this element to below 4 Kelvin.

Answer: _MERCURY_
c) In 1986, it was found that some ceramics become superconducting at temperatures as high as 134 Kelvin. F5P each, name the two elements that are found in all such materials.

Answer: _COPPER_and _OXYGEN_
19. Identify these riots for 10 points each.
a) This riot occurred in Chicago in 1886 after anarchists organized a demonstration in favor of the 8 hour work day.

Answer: _HAYMARKET SQUARE_riot
b) Outbreaks of violence occurred in this southwestern district of Los Angeles in 1965 amid growing racial tensions.

Answer: _WATTS_riot
c) Draft riots crippled this city on July 11, 1863.

Answer: _New York_, NY
20. FTPE, identify these major Las Vegas casinos.
a) Although not yet completed, this Steve Wynn-owned casino has generated attention because it will include a permanent art gallery as well as temporary exhibits.

Answer: the _BELLAGIO_
b) This casino, also owned by Wynn, is home to Siegfried and Roy.

Answer: the _MIRAGE_
c) David Cassidy, from The Partridge Family, performs in a special-effects show four times a week at this casino, believed to be the largest on the Strip.

Answer: the _MGM GRAND_
21. Answer the following questions about Vorticism for the stated number of points.
a) FTP, this artist and author was the driving force behind the Vorticist movement. His works include the painting "The Surrender at Barcelona" and the novels "Tarr" and "The Apes of God".

Answer: Percy Wyndham _LEWIS_
b) F15P, Lewis edited this Vorticist review that only published two issues before Lewis left to participate in World War I. It shares its name with a method of searching protein and nucleotide databases for matches.

Answer: _BLAST_
c) Finally, F5P, a contributor to BLAST was this poet who wrote "Cantos"

Answer: Ezra _POUND_

