

2003 Singles

Set I

11. In 1869 Harriet Beecher Stowe published a story implicating him in a taboo affair as related by his wife Annabella Milbanke. His *English Bards and Scotch Reviewers* was a satirical reply to criticism of his first collection, *Hours of Idleness*, which would be followed by narrative poems like *The Bride of Abydos* and *Mazeppa*. FTP, name this poet who died at Missolonghi, after writing such works as the verse drama *Manfred* and the poem "She Walks in Beauty."
Answer: George Gordon, Lord Byron
12. The Klein-Nishina formula gives the relativistic version of this effect, and the Sunyaev-Zeldovich effect is this process for Cosmic Background Radiation photons passing through galaxy clusters. For a charged particle, the wavelength of the same name is Planck's constant over the mass times the speed of light. The inelastic counterpart of Thomson scattering, FTP name this redshift of scattered photons.
Answer: Compton effect or scattering
13. Elected senator from Louisiana in 1853, he resigned in 1861 after Louisiana seceded from the Union. His first mission of importance had come when James Polk sent him to Mexico to gain the Texas territory. More famously, he would be arrested by Charles Wilkes and be confined in Fort Warren, Boston. FTP, name this man who, along with James Mason, was arrested aboard the *Trent*.
Answer: John Slidell
14. One legend concerning his death is that he was ambushed during a visit to Polyxena with whom he had fallen in love. He had another tryst while hiding out on Skyros - with Deidamia the daughter of King Lycomedes. His impetuosity following the loss of his prize Briseis turned the tide against his side. FTP, name this father of Neoptolemus, the leader of the Myrmidons, and son of Peleus and Thetis.
Answer: Achilles
15. "The Philosopher" concerns the eccentric Doctor Parcival, while "Paper Pills" deals with Doctor Reefy. A later section "Godliness" revolves around the Bentleys, and the first part "Hands" tells of Wing Biddlebaum. All of these tales are united by the central character, George Willard. FTP, name this collection of stories about the titular town by Sherwood Anderson.
Answer: Winesburg, Ohio
16. An absorbent sheet is suspended in the solvent, causing the liquid to rise by capillary action, carrying the dissolved particles with it. The sheet is removed, dried, and placed under an ultraviolet lamp, and the distance travelled by each line of components is observed, from which it is possible to identify them. FTP, name this type of chromatography.
Answer: Paper chromatography (prompt on "chromatography")
17. Two years after his death, the Gepids decisively defeated his people at the River Nedao. He had already turned back at the Mincio River, but still demanded the hand of Honoria from Valentinian in the west and tribute from Marcian in the east. This despite his defeat at Chalons a couple of years back. For 10 points--name this "Scourge of God and Hun leader."
Answer: Attila
18. Her parents were Heccuba and Herodotus, and she has a sister named Lila. Born in Potidea, she left home and married Perdicas, her childhood sweetheart who she first met outside Troy. While visiting Britain, she was raped and impregnated by an evil god, and her child, Hope, murdered her best friend's son, Solon. FTP, name this woman played by Rene O'Connor, perky sidekick and rumored lover of *Xena: Warrior Princess*.
Answer: Gabrielle
19. In this novel a meeting with Mrs. Montgomery confirms the deceitful motives of the heroine's beau. The pivotal moment occurs on a trip to England, not attended by Aunt Penniman, during which the "Doctor" threatens disinheritance of his daughter should she marry Morris Townsend. FTP, name this novel centering on Catherine Sloper, a work by Henry James.
Answer: Washington Square
110. One of the five lipoprotein complexes normally associated with this process is also known as the F_0F_1 (read: "F 0 F 1") particle. This series terminates with cytochrome c oxidase, and its action begins with donors like succinate and NADH. These proteins establish the chemiosmotic potential used in oxidative phosphorylation. FTP name this series of proteins in the cristae of the mitochondria involved in the final stage of aerobic respiration.
Answer: electron transport chain or electron transfer chain (prompt on oxidative phosphorylation before "This series terminates")

I11. The summary of his travels was published in a book dedicated to the duke of Lorraine. Though a native of Florence, he sailed with Alonso de Ojeda in 1499 and for the king of Portugal in 1501. During a 1497 voyage he claimed to have discovered the "Terra Firma," or mainland of South America, resulting in the cartographer Martin Waldseemüller using this man's name on all of his maps. FTP, name this explorer whose name was given to America.

Answer: Amerigo Vespucci

I12. Some of his incomplete paintings were known to have been finished by Petrus Christus. His *Annunciation* is in the National Gallery in Washington; the Louvre holds his *Madonna with Chancellor Rolin*; and Bruges contains his *Madonna with Canon Van der Paele*. More famous are his *Man with the Red Turban* and a collaborative effort with his brother. FTP, name this Flemish artist, the younger brother of Hubert, and painter of the *Ghent Altarpiece* and *Arnolfini Wedding*.

Answer: Jan van Eyck (prompt on last name)

I13. It slightly mirrors *The Canterbury Tales* in that it includes the tale of Constance, Chaucer's "Man of Lawes" tale, and the tale of Florent, which is also told by the Wife of Bath. The first version is dedicated to Richard II and tells of a weary poet who appeals to Venus for rejuvenation. The goddess requires him to go before the priest Genius and make a full confession. FTP, name this 14th-century poem by John Gower.

Answer: *The Confessio Amantis*

I14. The adult sessile forms of animals in this phylum develop from bilateral larvae. They have a central nerve ring with radial nerves and a modified nerve net in each arm. They also have tube feet, extensions of a unique water vascular system. Class Concentricycloidea contains the recently discovered sea daisies; other classes include Echinoidea and Asteroidea. FTP name this phylum whose members show radial symmetry, which includes sea stars.

Answer: Echinodermata or echinoderms

I15. To the northwest lay Cape Oxia and Cape Scrophia and to the east was the Gulf of Paetraas. Arrayed out on the west were forces under the control of such men as Cordona as well as Barbarigo, the second-in-command. The Muslim forces, under Sirocco and Ali Phasa, were quickly turned aside by Don John. FTP, name this victory for the Holy League over Muslim forces in 1871.

Answer: Lepanto

I16. It is one of the northernmost parts of the Great Rift Valley. At the northern tip is the city of Elat, created to serve as a port on it. Though never more than 17 miles wide, it is more than 100 miles long, emptying through the Strait of Tiran into the Red Sea. FTP, name this body of water, which borders Israel, Jordan, Egypt, and Saudi Arabia.

Answer: Gulf of Aqaba

I17. As a baby he was left in a basket on the doorstep of a Bristol family. To Graveling's disappointment, he is selected to serve with such men as Dansker and Squeak, whose enmity he earns. To his surprise, he is also hated by Claggart, for whose death he is sentenced to hang by Vere. FTP, name this titular foretopman of a Herman Melville novel.

Answer: Billy Budd

I18. His remains were disinterred by the bishop of Lincoln and thrown into the river Swift. In his *De Dominio Divino* he preached the doctrine that all authority is founded on grace, earning him the enmity of Pope Gregory XI. He failed to compromise with papal representatives at Brugge but did win the patronage of John of Gaunt. FTP, name this English theologian whose works were banned two years before his death in 1384 and whose followers were known as Lollards.

Answer: John Wycliffe

I19. A method of detecting meteors uses the forward scatter of these signals from an ionization track. For stereo signals, a 38 kilohertz subcarrier modulated with the channel difference is used. The signals don't reflect off the ionosphere, so transmission must be line-of-sight. Located between VHF television channels 6 and 7, FTP name these radio signals in a band from 88 to 108 megahertz.

Answer: FM radio or Frequency Modulated radio

I20. The now dilapidated mansion of Lionnet is mentioned several times in this play. The black servants Cal and Addie appear throughout, unlike the financier Mr. Marshall, who is just in Act 1, or Horace Giddens, who doesn't appear till Act 2. The plot concerns a power struggle over a cotton mill between Regina and her two brothers, Ben and Oscar. FTP, name this play about the deceitful Hubbard family, a work by Lillian Hellman.

Answer: *The Little Foxes*

I21. She talked about crafting fiction in the essay collections, *On Writing* and *Not Under Forty*, and crafted that fiction in story collections like *Youth and the Bright Medusa* and her first work, *Troll Garden*. She left *McClure's Magazine* after writing *Alexander's Bridge* and went on to write novels like *A Lost Lady* and *The Professor's House*. FTP, name this American writer of *One of Ours*, *The Song of the Lark*, and *My Antonia*.

Answer: Willa Cather