

Scobol Solo 2021

Championship IV (Phase IV: Questions 51-60)

51. While opposing this leader, Fernando de Valor changed his name to Aben Humeya [ah-ben oo-MAY-ah]. This leader put down the rebellion, which caused Granada to change from Muslim to Catholic. The Act of Abjuration, which was a renunciation of oaths made to this leader by leaders of the Union of Utrecht [YOO-trekt], is the equivalent of the Declaration of Independence for the Netherlands. This person was temporarily the king of England until the death of his wife, Mary I. Name this son of Charles V whose failed attempt to overthrow Elizabeth I included the defeat of the Spanish Armada.
Answer: Philip II of Spain or Philip I of Portugal or Filipe I of Portugal [prompt on Philip or Filipe]

52. In this layer of the atmosphere, temperature inversion can cause “ducting”, making it easier to pick up radio signals from far away. Of all the atmospheric layers that do not contain the ozone layer, this layer contains the most ozone. In the meso-sphere and this layer, temperature decreases as altitude increases. This layer contains cirrus and cumulus clouds, and it contains more water vapor than any other layer of the atmosphere. This layer is just below the stratosphere. Name this lowest layer of the Earth’s atmosphere.
Answer: tropo-sphere [“TROPE-oh-sphere”]

53. In a play by this writer, Hermann comforts Lady Amelia by telling her that Charles lives and her uncle lives too. This writer wrote that play about a plot by Franz to get his father Count Moor to both disinherit Karl and die of a heart attack. Another play by this writer begins with singing by the Fisher Boy, Herdsman, and Chamois [SHAM-ee] Hunter. In the same play by this writer, Henry of the Halden is blinded, making a politician unpopular and causing people to show disrespect to a cap that is hanging on a pole. That cap belongs to Gessler. Name this playwright of *The Robbers* and *William Tell*.

Answer: Friedrich (von) Schiller

54. A group of art students in Chicago hated this artist so much that they burned copies of three of his paintings and held a mock trial that found him guilty of “artistic murder” and “pictorial arson”. One of the paintings burned was *Blue Nude*, which is different from the *Blue Nude* cut-out series this artist made years later. Another painting by this artist shows nude people playing instruments on the bottom and right side, while the back center shows people dancing in a circle. A portrait this artist made of his wife is sometimes called *Green Stripe*. Name this painter of *The Joy of Life*, a leading Fauvist [FOH-vist].

Answer: Henri (Émile) Benoît) Matisse [awn-ree mah-teess]

55. This country's bio-diversity is often studied at Corcovado National Park, which is on the Osa Peninsula near Golfo Dulce [GOHL-foh DOOL-say]. This country's Chiriquí Island forms Colorado [koh-loh-RAH-doh] Gulf within the Gulf of Nicoya not far from the port city of Puntarenas [poon-tah-RAY-nahss]. This country's capital is surrounded by the cities Heredia, Cartago, and Alajuela [ah-lah-WAY-lah]. This country also includes the Isla de Caño [KAHN-yoh] in the Pacific Ocean, which contains stone spheres credited to the Diquís [dee-KEESS] culture. Name this country between Nicaragua and Panama whose capital is San José.

Answer: (Republic of) Costa Rica [or (República de) Costa Rica]

Check the score.

56. The variations of this protein numbered 8, 18, and 19 are measured to predict whether patients have active tumors. Mutations in genes coding for the production of this protein can lead to cysts forming in a person's eye, which is called Meesmann corneal dystrophy. This protein is the primary component of the food-filtering system in whales called baleen. The word used for most of the cells in the epidermis is based on the name of this protein. Skin calluses are a plug made out of this protein. Name this structural protein in hair and nails.

Answer: keratin [accept cytokeratin]

57. Two of the leaders with this name lost land due to a secession led by Horwen-nefer and Ankh-wen-nefer. The first leader with this name may have been the brother of Alexander the Great and is credited with the Great Library of Alexandria. That leader's name was followed by a word meaning "savior": "soter". Leaders with this name often were married to women who took the names Arsinoë [ar-SIN-oh-ay], Berenice, or Cleopatra, and before marrying Mark Antony the famous Cleopatra VII [7] had two husbands with this name. Name these rulers in Egypt from 305 BCE to 30 BCE who were once believed to be related to a famous astronomer.

Answer: Ptolemy [prompt on Ptolemaic]

58. In the second section of this novel, Kate complains that Miss Lawington cancelled a cake order. Kate is a daughter of Vernon and Cora Tull, who are neighbors of the family this novel focuses on. The only daughter in that family is Dewey Dell, who is 17 and pregnant. At the end of the first section of this novel, Darl describes Cash building a coffin for their mother. This novel describes the family's trek to bury the mother in Jefferson, Mississippi. Name this novel about Addie Bundren's family, written by William Faulkner.

Answer: As I Lay Dying

59. This concept definitely applies to objects and activities that are *mustahabb* and *fard*, though there is disagreement as to whether this concept applies to objects and activities that are *mubah* and *makruh*. This concept is often combined with the method of *zabiha*, which describes how to kill animals. This concept is the opposite of *haram*, and all alcoholic drinks are *haram*. There has been a recent trend in Indonesia to apply this concept to many consumer products, but this concept usually applies to food. There are many similarities between this concept and the Jewish concept of *kashrut*, including prohibitions on pork. Give this word for permissible things in Islam.

Answer: halal

60. Frank Morley discovered that segments that perform this operation for an angle form an equilateral triangle inside an arbitrary triangle. One method to perform this operation on a segment with compass and straight-edge starts by drawing parallel lines through the endpoints, then draws arbitrary congruent circles along those lines, then connects the circle centers. Another method to perform this operation on a segment uses the fact that triangle medians perform part of this operation on each other. One of the three great classical construction problems is do this operation to an arbitrary angle. Name this division of an angle or segment into three congruent parts.

Answer: trisection [accept trisecting]

This is the end of the packet.