

2011 SCOP Novice Round 2

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TOSSUPS

1. **This figure wrote the Mahabharata [mah-hah-bah-rah-tah] as dictated by Vyasa [vee-YAH-sah]. In one tale, he received a mango of knowledge when he won a race with his brother, Skanda, by walking around his parents. He was (*) beheaded either by Shani or by Shiva when he defended his bathing mother, Parvati. This god rides a mouse and is known as the Remover of Obstacles. For 10 points, name this Hindu deity with an elephant's head.**

Answer: Ganesha (accept Ganapati, Vinayaka, or Pillaiyar)

2. **This object bears the name “Peter Pocklington” crossed out with a row of X’s. Tomas Holmstrom is among those to have used it as a baptismal font, and non-captain Ray Bourque was notably first to (*) hoist it for Colorado in 2001. Awarded after the Conn Smythe Trophy for Finals MVP and given to each winning player for a day, for 10 points, name this trophy, recently awarded to the Boston Bruins for winning the 2011 NHL Playoffs.**

Answer: Stanley Cup (accept Lord Stanley’s Cup; prompt on National Hockey League championship trophy and equivalents)

3. ***Le Vicomte de Bragelonne* [luh vee-COMT duh brah-”gell”-OWN] is a sequel to this man’s most famous novel, which includes the story of Philippe, Louis XIV’s identical twin. One of this man’s protagonists meets Abbé Faria [ah-BAY fah-ree-AH] at the Chateau d’If [shah-TOW deef], and loves Mercedes. In another novel, this man describes the friendship of (*) Athos, Porthos, Aramis, and D’Artagnan. For 10 points, name this French author of *The Man in the Iron Mask*, *The Count of Monte Cristo*, and *The Three Musketeers*.**

Answer: Alexandre Dumas, pere [doo-MAH]

4. **The shallow diagonals of Pascal’s triangle sum to these numbers, which are expressed in closed form by Binet’s [bi-NAY’z] formula. The ratio between this sequence’s consecutive terms approaches the (*) golden ratio. Originally used to model breeding rabbits, it is defined recursively with the n th term equal to the sum of the n -minus-first and n -minus-second terms. For 10 points, name this sequence of numbers that begins 0, 1, 1, 2, 3, 5, 8....**

Answer: Fibonacci sequence or Fibonacci numbers (accept Fibonacci series)

5. This character witnesses a feud with the Shepherdsons while staying with the Grangerfords. He poses as his closest friend in Sally Phelps' home, and meets the dishonest duke and dauphin. He avoids being "sivilized" by the (*) Widow Douglas and escapes from his abusive father by floating down the Mississippi River with Jim, an escaped slave. For 10 points, name this character created by Mark Twain, the companion of Tom Sawyer.

Answer: Huckleberry Finn (accept either underlined name)

6. Special relativity requires this law to be modified since momentum is approximated. Applying it in the radial direction to uniform circular motion gives the centripetal force. Impulse is derived from this law by integrating with respect to time. This law actually equates (*) force with the time-derivative of momentum, but for constant mass is expressed in a more familiar form. For 10 points, name this law often written as F equals ma .

Answer: Newton's second law of motion (prompt on Newton's law[s] or on law[s] of motion)

7. This state Chairman for Al Gore's 1988 Presidential Campaign sparked controversy in 2009 by suggesting that his state could secede from the US. In 2007 this Republican mandated the Gardasil shot for (*) girls in his state, and in 2011 his state cut 75% from the volunteer fire department budget before wildfires ravaged its 254 counties. Currently running for the Republican nomination for President, for 10 points, name this current Governor of Texas.

Answer: James Richard "Rick" Perry

8. This opera's third act ends with a quartet; two voices singing happily while Musetta and Marcello bicker; earlier, Musetta sings "Quando me'n vo," a sultry waltz, to a crowd. The aria "Che gelida manina" is sung after a woman loses her key and (*) candlelight; that seamstress dies of consumption at the end of the opera. Featuring the love of Rodolfo and Mimi, for 10 points, name this Puccini opera about poor artists in Paris.

Answer: La bohème

9. Problematic hydrogen bubbles led John Frederic Daniell to develop this object, while an ancient type is deemed a Baghdad variation. Leyden Jars in parallel could mimic one of these objects. The first modern example was a system of galvanic cells in series created by Alessandro (*) Volta. One of these can be created with zinc and copper electrodes and a potato. Converting chemical energy to electrical energy, for 10 points, name these objects that come in AAA and AA varieties.

Answer: battery or batteries

10. This state, which won the War of Chioggia against Genoa, allied itself with the Papal States against Pope Julius II's League of Cambrai. Lion statues in this city's St. Mark Square were stolen in a 1204 sack of Constantinople; that 4th Crusade was organized by Enrico Dandolo, this city's (*) Doge [dozh]. The home of Marco Polo, for 10 points, name this "Most Serene Republic," an Italian merchant city home to numerous canals.

Answer: Republic of Venice (accept La Serenissima Repubblica de Venezia)

HALF TIME

11. In 2011, Johnny Isakson read one of this man's works aloud on the Senate floor, continuing an annual Senate tradition. That text, which calls for a "diffusion of knowledge" across the country through improved education, was never actually read (*) aloud by this man, who called for continued American neutrality. For 10 points, name this US President who warned against the formation of political parties in his 1797 Farewell Address.

Answer: George Washington

12. "Orgy-porgy" and "Centrifugal Bumble-Puppy" are activities in this book. In this novel, Helmholtz Watson is sent to the Falkland Islands. Another character hangs himself after he rejects Lenina and argues with (*) Mustafa Mond. Though Bernard Marx is an alpha in this novel, he is small and feels inadequate. For 10 points, name this dystopian novel in which John the Savage visits London in 632 "After Ford," a work by Aldous Huxley.

Answer: Brave New World

13. This group was led by Cetshwayo. It won the Battle of Isandlwana, but was defeated at Rorke's Drift. One of their leaders revolutionized its military with such innovations as the Buffalo Horns formation, and they were defeated at the Battle of Ulundi by the (*) British. For 10 points, name this African ethnic group that fought a namesake war with Great Britain and was led by Shaka.

Answer: Zulu (accept amaZulu and answers like "Zulu Kingdom")

14. This deity's birthplace was claimed by both Cythera and Cyprus, and this deity had an affair with the father of Aeneas. This deity was the mother of Deimos and Phobos, owned a belt that made the wearer irresistible, and was born when Cronos castrated Uranus. This goddess's affair with (*) Ares was stopped by her husband, Hephaestus, and she was accompanied by Eros. For 10 points, name this Greco-Roman goddess of love and beauty.

Answer: Aphrodite or Venus

15. Via the 14th Amendment's due process clause, the Supreme Court found in *Mapp v. Ohio* that this amendment's exclusionary rule applies to state courts. *Katz v. U.S.* saw the Court extend this amendment to include an individual "reasonable expectation of (*) privacy," and this amendment may be violated by the PATRIOT Act's warrantless wiretapping. For 10 points, name this amendment to the US Constitution that protects against unreasonable search and seizure.

Answer: Fourth Amendment to the United States Constitution

16. One layer of the wall of this organ, the submucosa, contains Meissner's plexus. Its chief cells secrete pepsinogen, which is converted to its active form in response to the low pH environment present in this organ. This organ receives the bolus through the cardiac (*) sphincter, converts it to chyme, then passes it through the pyloric sphincter to the small intestine. For 10 points, name this organ of the digestive system with parietal cells that secrete hydrochloric acid.

Answer: stomach

17. The background of this painting shows a floating platform in front of Catalanian cliffs. A dead tree projects from a larger platform in the near left of this painting, and a face-down object in the lower left corner swarms with ants. A monstrous (*) face, a self-portrait of the artist, spans the middle of this painting, and is draped with an unusual timepiece. Featuring soft clocks, for 10 points, name this painting by Salvador Dali.

Answer: The Persistence of Memory

18. Mayon, a strato-type of this structure in the Philippines, is nearly perfectly conical. Explosions in these structures can cause tephra, which is classified by size into lapilli, pyroclastic blocks, and (*) ash. The shield variety is formed by basalt buildup, and they can be found at Mt. Vesuvius, Mauna Loa, and around the Ring of Fire. For 10 points, name this type of opening in the Earth's crust through which lava erupts.

Answer: volcanoes

19. This man's work *Psychological Types* provided the basis for the Myers-Briggs Test, which built on his ideas of introverts and extroverts. He proposed that all of mankind shares a body of indirect knowledge, and posited the shadow, persona, self, (*) anima, and animus as the five main archetypes. For 10 points, name this Swiss founder of analytic psychology who developed the idea of the collective unconscious.

Answer: Carl Gustav Jung

20. One person with this name composed the verse novel *Aurora Leigh*. Another poet with this name wrote *The Ring and the Book* and composed poems about the "Pied Piper of Hamelin" and "Porphyria's Lover." One person with this name wrote (*) "How do I love thee? Let me count the ways" in *Sonnets from the Portuguese*, and another composed *My Last Duchess*. For 10 points, give this shared surname of the Romantic poets Elizabeth Barrett and Robert.

Answer: Browning (accept Elizabeth Barrett Browning or Robert Browning)

BONUSES

1. Zooey Deschanel sang the theme song of a 2011 reboot of a Disney franchise. For 10 points each,

[10] Name this film based on stories written by A.A. Milne and set in the Hundred Acre Woods.

Answer: **Winnie-the-Pooh** (this is a title; do not accept Pooh or variations thereon)

[10] This Scottish-American voiced Owl in the 2011 *Winnie-The-Pooh*; he's also the host of *The Late Late Show* on CBS.

Answer: Craig **Ferguson**

[10] This former member of *Monty Python's Flying Circus* and portrayal of Basil Fawlty narrated 2011's *Winnie-the-Pooh*.

Answer: John **Cleese**

2. This location is held sacred by the Aboriginal Anangu tribe, who request that certain sections of it are not photographed. For 10 points each,

[10] Name this rock formation, whose sandstone glows red at sunup and sundown.

Answer: **Uluru** (accept **Ayers Rock**)

[10] Uluru is located in the Northern Territory province of this country, which has the Great Barrier Reef off its eastern coast.

Answer: **Australia**

[10] Sparser and less populated than "the bush," this term refers to the arid Australian terrain that includes Uluru and makes up roughly 70% of the continent.

Answer: Australian **outback**

3. His work resembles deconstructivist form although he disagrees with this distinction. For 10 points each.

[10] Name this Canadian-American architect whose works include MIT's Stata Center, the curved Fred and Ginger building, and the Walt Disney Concert Hall.

Answer: Frank **Gehry**

[10] This museum in Bilbao, Spain was designed by Gehry. It features titanium panels with random curvature.

Answer: **Guggenheim** Museum

[10] Another Guggenheim Museum is found in this city, the home of the MoMA and Metropolitan Museum of Art.

Answer: **New York**, New York

4. This poet wrote odes to things like socks and a lemon in his *Elemental Odes*. For 10 points each,

[10] Name this poet, who lamented “Tonight I can write the saddest lines” in *Twenty Love Poems and a Song of Despair*.

Answer: Pablo **Neruda**

[10] Neruda published a collection of one hundred love poems in this 14-line form. Gabriel Mistral published a collection of these works *of Death*.

Answer: **sonnet**

[10] Neruda and Mistral were from this South American country with capital at Santiago; it is also the home of Isabel Allende.

Answer: **Chile**

5. AGNs are present in the center of some of these objects, releasing radiation from accretion by a supermassive black hole. For 10 points each,

[10] Name these massive collections of stars, gas, dust, and dark matter, examples of which are Andromeda and the Milky Way.

Answer: **galaxy**/ies

[10] Along with the Large and Small Magellanic Clouds, the Andromeda and Milky Way galaxies are found in this collection of galaxies.

Answer: **Local Group**

[10] This kind of galaxy consists mainly of older stars, and is named for its oval-like shape. They are thought to be the evolutionary product of merging galaxies.

Answer: **elliptical** galaxies

6. Norse cosmology says nine worlds were created from the primordial giant Ymir’s [EE-meer’s] flesh, each of which is home to a different race of creatures. For 10 points each:

[10] This world was created from Ymir’s eyebrows and is home to the race of men. It literally means “middle enclosure.”

Answer: **Midgard**

[10] This world is home to the gods. The bridge Bifröst [BY-frost] connects it to Midgard and the forces of evil will fight the forces of good on the field of Vigrid [VEE-grid] near Valhalla here.

Answer: **Asgard**

[10] This world is home to the giants. The river Ifing [ILL-fling] separates it from Asgard, and Thor comes here to kill Thrym. The giant stronghold of Utgard [OOT-gard] is also here.

Answer: **Jotunheim** [YOH-tund-hym]

7. Answer the following about an author and his works, for 10 points each.

[10] This novel concerns a merchant sailor who is shipwrecked on an island inhabited by cannibals, from whom he rescues a servant named Friday.

Answer: The Life and Strange Surprising Adventures of **Robinson Crusoe** of York, Mariner

[10] *Robinson Crusoe* is by this English author of *Moll Flanders*.

Answer: Daniel **Defoe**

[10] This Defoe novel is narrated by H.F., who witnesses the devastation caused by a disease in London in 1665.

Answer: A **Journal of the Plague Year**

8. As President, this man authorized naval action that led to Panamanian independence and, eventually, the Panama Canal. For 10 points each,

[10] Name this US President, whose foreign policy is often referred to as "Big Stick" diplomacy and who went on an African safari shortly after leaving office.

Answer: Theodore Roosevelt (prompt on Roosevelt)

[10] Roosevelt oversaw the withdrawal of US troops from this Caribbean island nation in 1902, four years after fighting there with the Rough Riders.

Answer: Cuba

[10] Roosevelt won a Nobel Peace Prize for negotiating the 1905 Treaty of Portsmouth, ending a war between these *two* nations over, among other things, Port Arthur.

Answer: Russia and Japan (accept Russo-Japanese War; in either case, accept the nations in either order)

9. This piece's fourth movement ends by combining the five voices in a fugue. For 10 points each,

[10] Name this final Mozart symphony, nicknamed for a Roman god.

Answer: Symphony No. 41 in C Major, K. 551; the Jupiter Symphony (accept any of the underlined parts, in any combination)

[10] This seven movement suite by Gustav Holst depicts Jupiter as "The Bringer of Jollity." Holst famously refused to write a new movement when Pluto was discovered.

Answer: *The* Planets

[10] Jupiter is disguised as a shepherd in this composer's failed opera *Giove [JOVE] in Argo*. More successful works include the oratorios *Esther*, *Israel in Egypt*, and *Messiah*.

Answer: George Frederic Handel

10. This substance is responsible for removing carbon dioxide from the body. For 10 points each,

[10] Name this fluid that utilizes the iron-enriched protein hemoglobin to carry oxygen throughout the body.

Answer: blood

[10] In vertebrates, blood cells are created by hematopoiesis [hee-maa-toh-poh-EE-sis] which takes place in this type of tissue.

Answer: (red) bone marrow (prompt on "bone")

[10] Also called thrombocytes, this type of cell fragment found in the blood is responsible for clotting.

Answer: platelets

11. Name some American poets, for 10 points each,

[10] Identify this "Belle of Amherst," the American poet of "I heard a fly buzz when I died" and "Because I could not stop for death."

Answer: Emily Dickinson

[10] This poet wrote about "The Village Blacksmith" and "Paul Revere's Ride," and composed the epic poem *The Song of Hiawatha*.

Answer: Henry Wadsworth Longfellow

[10] This poet wrote about one who "lies down to pleasant dreams" in a "meditation on death," *Thanatopsis*.

Answer: William Cullen Bryant

12. In Cartesian coordinates, this figure's equation has the form $x^2 + y^2 = \text{constant}$. For 10 points each,

[10] Name this shape that in polar coordinates is plotted by the equation $r = \text{constant}$.

Answer: **circle** (centered at the origin with radius equal to that constant)

[10] Circles that are graphed with polar equations $r = 1$ and $r = 2$ are said to have this quality because they share the same center.

Answer: **concentric** circles

[10] This shape is generated by the polar equation $r = \cos(k\theta)$. It has k petals if k is odd and $2k$ petals if k is even.

Answer: **rose** (accept **rhodonea**)

13. He called the Übermensch, or Overman, a goal of humanity. For 10 points each,

[10] Name this German philosopher who wrote *Thus Spoke Zarathustra* and *The Gay Science*.

Answer: Friedrich Wilhelm **Nietzsche**

[10] In *Thus Spoke Zarathustra* and *The Gay Science*, Nietzsche claimed that this entity "is dead." This word refers to the revered being in monotheistic religions.

Answer: **God** or **Gott** (accept "**God is dead**" or "**Gott ist tot**")

[10] This concept, which titles a posthumous Nietzsche work, is the driving ambition to reach the highest position in life.

Answer: the **will to power** (accept der **Wille zur Macht**)

14. Answer the following about some of Rome's best emperors. For 10 points each,

[10] This second of the group known as "the Five Good Emperors" expanded the Empire to its largest extent and is famous for his namesake column.

Answer: **Trajan**

[10] This successor of Trajan built a famous wall as part of his consolidation of the empire's far-flung provinces.

Answer: **Hadrian**

[10] Hadrian's Wall was built on this island, Europe's largest island and the northernmost province of the Roman Empire.

Answer: Great **Britain** (accept **Brittania**; do not accept country names such as England, Scotland, or The United Kingdom)

15. For 10 points each, give the following literary devices.

[10] This type of comparison between two things does not use the words "like" or "as." An example is "If hair be wires, black wires grow on her head."

Answer: **metaphor**

[10] Another type of comparison, this literary device uses a part of something to represent the entire object. An example is "Friends, Romans, countrymen; lend me your ears."

Answer: **synecdoche**

[10] This is the name given to the literary device in which a previously unseen person or event conveniently shows up in time to resolve an issue in the plot.

Answer: **deus ex machina**

16. The neodymium types of these objects are among the strongest known. For 10 points each,
[10] Name these objects that are formed when electron configurations align in the same direction, causing opposite poles to attract.

Answer: **magnets** (accept **ferromagnets** or rare earth **magnets**)

[10] The regions in which electrons are aligned are known by this name.

Answer: Weiss **domains**

[10] The SI unit for magnetic flux is named in honor of this Serbian-Croatian physicist, who advocated alternating current and developed a namesake coil.

Answer: Nikola **Tesla**

17. He dreamed that his brothers were bales of wheat bowing down to him and was sold into slavery in Egypt. For 10 points each,

[10] Name this son of Jacob, who was given a beautiful coat. This man worked for Potiphar and interpreted the Pharaoh's dreams to gain power in Egypt.

Answer: **Joseph**

[10] This woman was Joseph's mother, and the most beloved of Jacob's wives. She married Jacob after her father, Laban, tricked him into marrying Leah, this woman's sister.

Answer: **Rachel**

[10] This second son of Rachel was originally named "son of my sorrow." Before revealing his true identity to his brothers in Egypt, Joseph hid a silver cup in this man's bag.

Answer: **Benjamin**

18. Territory gained through it was explored by Lewis and Clark. For 10 points each,

[10] Name this 1803 transaction in which the United States gained the namesake territory from France.

Answer: **Louisiana Purchase**

[10] The Louisiana Purchase was made during the Presidency of this man. He had been Secretary of State under Washington and Vice President under John Adams.

Answer: Thomas **Jefferson**

[10] Jefferson's presidency saw the first war against these states in North Africa. The war against them saw U.S. Marines fight on the "shores of Tripoli."

Answer: **Barbary** States (accept **Barbary** Coast; or **Barbary** Pirates; or **Barbary** Corsairs)

19. These entities can be defined by a wavefunction with three components and can come in s, p, d and f varieties. For 10 points each:

[10] Name these objects that house electrons in subshells and are governed by Hund's rule and Aufbau's principle.

Answer: **orbitals**

[10] Different types of orbitals are mixed in this process which allow for more effective bonding to occur.

Answer: **hybridization**

[10] This type of intermolecular bond is exhibited when the namesake atom is attracted to an atom with high electronegativity such as oxygen or nitrogen. It is named for the element with atomic number 1.

Answer: **Hydrogen** Bond (accept **H**-Bond)

20. This nation was ruled by Erich Honecker from 1971 to 1989. For 10 points each,
[10] Name this European communist country that consolidated with its western neighbor in 1989.

Answer: East Germany (accept Ost Deutschland, German Democratic Republic, GDR, DDR, or Deutsche Demokratische Republik)

[10] In 1961, the East and West halves of the East German capital were separated by this structure, which could be crossed at Checkpoint Charlie.

Answer: Berlin Wall

[10] In the 1970s, this chancellor of West Germany and former mayor of West Berlin created mutual recognition between East and West with his policy of Ostpolitik.

Answer: Willy Brandt (accept Herbert Ernst Karl Frahm)