

Round 13

1996 ACF Regionals

Questions by the University of Delaware

1. Dissatisfied with the formlessness and subjectivity of impressionism, this artist together with Paul Signac created a technique based on color theory and optic science, which they called divisionism. His technique, which inspired the neo-impressionist movement, became better known as pointillism. FTP, name this painter of "Sunday Afternoon on the Isle of La Grande Jatte."

Answer: Georges Seurat

2. His writings on foreign policy include 1939's War, Peace, and Change and 1950's War and Peace. He was an early delegate to the United Nations, and in 1949 was appointed to fill a Senate vacancy. However, he did not gain national renown until he took a post previously held by his grandfather and by his uncle. FTP, name Eisenhower's secretary of state.

Answer: John Foster Dulles

3. Near the turn of the century, this Cambridge professor made great breakthroughs in the then-infant science of anthropology. Comparing a wide range of religious and magical practices, he theorized the intellectual evolution from the magical to the religious to the scientific. FTP, name this author of The Golden Bough.

Answer: Sir James Frazer

4. This toxic, pale yellow oil was first made by Ascario Sobrero in 1846. Its instability precluded its usefulness until 1864 when Alfred Nobel devised a solid preparation for it. FTP, identify this explosive now commonly used to treat heart disease.

Answer: nitroglycerin or glyceryl trinitrate

5. Its purpose was to reopen a supply route to the crippled Russian Empire. A fleet of sixteen of Britain's largest warships were crippled by an undetected minefield en route to Constantinople and forced to retreat, allowing Turkish forces to meet British and Australian invasionary troops head on, and after several months of some of the bloodiest warfare in history the British withdrew. FTP, name this failed World War I campaign which nearly ruined the career of a young Winston Churchill.

Answer: Gallipoli campaign

6. Inspired by a series of 72 psychoanalytic sessions with Dr. J.B. Land, he wrote a novel telling the story of young Emil Sinclair and his self-assured alter ego who exists partly in dreams. For 10 points, identify this German author of Demian whose other works include Steppenwolf and Siddharta.

Answer: Herman Hesse

7. In 1992, The Sporting News called Phil Knight "The Most Powerful Man in Sports" which is curious since he isn't a league official, team owner, coach, or even a player. Instead, he heads a company that hires the likes of Michael Jordan and Andre Agassi to endorse his company's products. FTP, name the company headed by Knight that derives its name from the Greek goddess of victory.

Answer: Nike

8. This term is a shorter, Sino-Japanese pronunciation of the Japanese term "kami no michi", which means ■way of the gods.■ Although important elements of its mythology and cosmology are found in ancient chronicles, it has no sacred scripture and no distinct founder. FTP, name this native religion of Japan.

Answer: Shinto

9. This phenomenon can be observed by comparing the position of the moon as viewed from Bosnia with its position as viewed from Serbia. Its diurnal variety could be observed by comparing the position of Cygnus from one spot in Kansas at 8:00 AM to its position from the same spot at 8:00 PM. FTP, name this phenomenon, the seeming displacement in the celestial sphere of an object viewed from

different points of the earth's surface.

Answer: parallax or parallactic shift

10. In 1886, as a cellist for an opera company touring in Brazil, he took over after the conductor walked out and led Verdi's Aida without a score. This Parma-born musician eventually became chief conductor at La Scala. Famous for his faithful interpretations of a composer's intentions, he continued his career in the United States, leading both the Metropolitan Opera and the New York Philharmonic. FTP, name this conductor for whom the NBC Symphony was created.

Answer: Arturo Toscanini

11. This contemporary of William of Malmesbury was appointed the Bishop of St. Asaph in 1152. He has been denounced as a fabricator, though many scholars are now recognizing the value of his works. FTP, name this historian whose History of the Kings of Britain first brought King Arthur to the realm of literature.

Answer: Geoffrey of Monmouth

12. His 1931 critically acclaimed trilogy of plays, a New England version of the Greek Oresteia set during the Civil War, was instrumental in his winning the Nobel Prize. FTP, name this author of Homecoming, The Hunted, and The Haunted, the three plays which comprise the trilogy Mourning Becomes Electra.

Answer: Eugene O'Neill

13. In May 1975, members of this movement seized the American ship Mayaguez, shortly after they had seized control of the government formerly headed by U.S.-backed Lon Nol. Four years later they were themselves deposed by Vietnamese forces, leading them to forge a coalition government-in-exile with former enemy Norodom Sihanouk. FTP, name this Communist movement led by Pol Pot.

Answer: Khmer Rouge

14. He was Archbishop of Canterbury and helped settle the English Investiture Controversy at the end of the 11th century. A central figure in medieval scholasticism, he characterized theology as "faith seeking understanding." FTP, name this saint whose writings included a proof of God's existence.

Answer: Saint Anselm

15. After a thirty-year civil war, it became in 1993 the first nation to split off successfully from an independent African country. For 10 points, identify this African nation bordering the Red Sea, Djibouti, and Sudan and that has its capital at Asmara.

Answer: Eritrea

16. In 1873, he showed that gases would obey the simple laws of gases only if the volume of the molecules themselves were zero and if there were no attraction between them. As this is not the case, he devised a modified equation that gases follow much more closely than they do the ideal gas law. For 10 points, identify this Dutch physicist and winner of the 1910 Nobel Prize.

Answer: Johannes Diderik van der Waals

17. Published in England under the title Fiesta, this novel set in France and Spain traces the relationship between Lady Brett Ashley and Jake Barnes, and features a brutally realistic bullfight scene. FTP, name this 1926 Hemingway work.

Answer: The Sun Also Rises

18. In 1676, Virginians were still fuming over the hard-headed mercantilism of the Navigation Acts when Indian raiders decided to attack their frontier. To avoid damaging trade relations, Governor William Berkeley made only a weak show of force. The Virginians were so outraged that they formed an army of their own, suppressed the Indians, and occupied the colonial capital of Jamestown. FTP, name this rebellion, whose leader forced the governor to give him a commission.

Answer: Bacon's Rebellion

19. She starred as the scantily clad playmate of 1976's King Kong before racking up several Academy

Award nominations for such films as Music Box, Sweet Dreams, Country, and Frances. For 10 points, identify this actress who won the Best Supporting Actress Oscar for her role in Tootsie.

Answer: Jessica Lange

20. Under anaerobic conditions, this is the end product produced by the breakdown of glucose and then pyruvic acid. Thus cells are able to synthesize ATP in an anaerobic environment, although after this substance is secreted into the bloodstream, its acidity prevents further metabolism and the cells begin to die. FTP, name this substance responsible for the burning sensation in exercising muscles.

Answer: lactic acid or 2-hydroxypropionic acid

21. In reality, he had actively assisted Richard II in suppressing the lords appellant, who had wished to enlarge the power of the parliament, although Shakespeare depicts the old man regretting that his obedience to the crown prevents him from avenging the death of one of the uprisers, Thomas of Gloucester. FTP, name this son of King Edward III, and father Henry IV, and effective ruler of England during his nephew Richard II's minority.

Answer: John of Gaunt #21

22. They include The Last Battle, The Magician's Nephew, The Horse and His Boy, The Silver Chair, The Voyage of the Dawn Treader, Prince Caspian, and The Lion, the Witch, and the Wardrobe. FTP, give the title of this children's series by C.S. Lewis.

Answer: The Chronicles of Narnia #22

23. The island of Borneo contains portions of both Malaysia and Indonesia. This country, however, exists exclusively on Borneo. FTP, name this sultanate.

Answer: Negara Brunei Darussalem #23

24. Pencil and paper ready! If a pea plant exhibiting the recessive trait of wrinkled seeds is cross-pollinated with a plant which is heterozygous for the dominant trait of round seeds, what is the probability that the resulting plant would have wrinkled seeds?

Answer: one half #24

25. This common chemical compound is a natural insect repellent in plants, and has been used to treat migraine headaches and asthma attacks. It performs its most well-known function by inhibiting the enzyme phosphodiesterase which regulates glycolysis. FTP, identify this compound which helps keep you wide awake.

Answer: caffeine #25

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1. Identify the following Fundamental Theorems of mathematics, for 10 points each:
 1. The definite integral of a continuous function is equal to the difference between the antiderivatives of that function evaluated at the endpoints.
Answer: The Fundamental Theorem of Calculus
 2. Every whole number can be uniquely expressed as the product of prime numbers.
Answer: The Fundamental Theorem of Arithmetic
 3. A polynomial whose coefficients are all complex numbers can be completely factored into polynomials of degree one, all of which have complex roots.
Answer: The Fundamental Theorem of Algebra
2. Identify these diarists for 10 points each:
 1. This naval administrator's frank 1660-1669 diary details upper-class life in Restoration London.
Answer: Samuel Pepys
 2. His Journal to Stella consisted of a series of letters, written between 1710 and 1713 to a former student in Ireland, about current political and social events and his reactions to them.
Answer: Jonathan Swift
 3. Her diaries, the first volume of which was published during her lifetime in 1966, poetically describe her awakening sexuality and her relationship with writer Henry Miller.
Answer: Anais Nin
3. Identify the school of art from a list of artists associated with it, for 10 points each:
 1. Jackson Pollock, Wassily Kandinsky, Willem de Kooning
Answer: Abstract Expressionism
 2. Max Ernst, Rene Magritte, Yves Tanguy
Answer: Surrealism
 3. Benvenuto Cellini, Francesco Primaticcio, Rosso Fiorentino
Answer: Fontainebleau
4. When you're pregnant, everything you do or feel gets attributed to hormones. Can you identify these hormones associated with pregnancy for 10 points each?
 1. This hormone, produced by the hypothalamus, stimulates contraction of the uterus to aid in childbirth and also stimulates the milk-ejection reflex in the mammary gland.
Answer: oxytocin
 2. This hormone, produced by the pituitary gland, stimulates the production of milk.
Answer: prolactin
 3. This hormone, produced by the ovaries, conditions the birth canal during pregnancy.
Answer: relaxin
5. Identify these mythological daughters for 10 points each:
 1. She was the daughter of Oedipus who disobeyed the king's directive not to bury her traitorous brother, and who was condemned to death for her crime.
Answer: Antigone
 2. She was the eldest daughter of Agamemnon whom her father chose to sacrifice to the goddess Artemis before sailing to fight in the Trojan War.
Answer: Iphigenia
 3. She was Agamemnon's other daughter who helped her brother Orestes avenge their father's death by killing their mother and her lover.
Answer: Electra

6. Identify these Canterbury Tales from their descriptions, for 15 points each:

1. The wife of a carpenter takes their boarder as her lover. The boarder angers his lover's admirer, who scorches his backside with a branding iron. When the boarder cries out for water, the carpenter misunderstands that a flood is coming and releases the rope on his lifeboat bed, which crashes through the attic.

Answer: The Miller's Tale

2. A knight accused of rape can save his life if he can discover what women most desire. An ugly, old witch promises him the answer if he will do the first thing she asks of him. She tells him that women want sovereignty over men, then demands that he marry her. She tests him after their wedding, and when he concedes her sovereignty, her youth and beauty is restored.

Answer: The Wife Of Bath's Tale

7. Everyone knows that William the Conqueror defeated Harold the Saxon at the battle of Hastings in 1066. But what do you know about the period before and after the battle; 10 points per question:

1. Whose invading army did Harold defeat just before the battle of Hastings, leaving him ill-equipped to fend off the Norman invasion?

Answer: Harold of Norway or Harold III of Norway or Harold Hardrada

2. What was the site at which Harold the Saxon stopped Harold of Norway's army, and at which Harold of Norway was slain?

Answer: Stamford Bridge or Yorkshire

3. And finally, what was the name of the fortification William the Conqueror began building in 1078, which still stands today?

Answer: Tower of London or White Tower

8. For the stated number of points, fill in the blanks for these paraphrases of Kepler's three laws of planetary motion. The blanks may include one word or a hundred words, you tell me.

1. 5 pts: First, for 5 points: The orbit of a planet is -BLANK-.

Answer: an ellipse

2. 10 pts: Now, for 10 points: A straight line from the planet to the center of the sun sweeps out -BLANK- as it goes around the orbit.

Answer: equal areas in equal time intervals

3. Finally, for 15 pts: The square of the -BLANK-, in years, for one revolution about the sun is proportional to the cube of the mean distance of the planet from the sun's center.

Answer: period

9. Ready for a snack? Identify the authors of these novels with tasty titles, for 10 points each.

1. Lorna Doone

Answer: Richard Doddridge Blackmore

2. James and the Giant Peach

Answer: Roald Dahl

3. Like Water for Chocolate

Answer: Laura Esquivel

10. Answer these questions about Frederick Douglass for the stated number of points:

1. 10 pts: Name the newspaper started and edited by Douglass, which was later renamed Frederick Douglass' Paper. Its original name comes from a guide to freedom that many escaped slaves followed in the days of the Underground Railroad.

Answer: The North Star

2. 5 pts. per part: Give the full name of the protagonist of Douglass' story ■The Heroic Slave■, who fights justly for his liberty as did his two namesakes. You'll get 5 points each for first name and last name. Hint: the names are two early presidents last names.

Answer: Madison Washington

3. 10 pts: Identify the country to which Douglass served as U.S. Minister from 1889-1891.

Answer: Haiti

11. Answer these books about Indian holy writings for 15 points apiece.

1. These sacred books of Hinduism comprise some of the oldest literature of India. The term, taken from the Sanskrit word for ■knowledge■, may refer either to four collections of hymns, or the hymns together with the literature built around them. For 15 points, what are they?

Answer: Vedas

2. These commentaries on the Vedas, whose name translates from the Sanskrit as ■to sit down near■, are distinguished from earlier commentaries by their increased philosophical and mystical questioning and by their diminished concern with Vedic deities and sacrificial rites. They exhibit a development toward the concept of a single supreme being, and of the union of the atman, or self, with the Brahman, or ultimate reality. For 15 points name them.

Answer: Upanishads

12. Amino acids share a common structure: a carbon atom is bonded to an amino group, a carboxyl group, a hydrogen atom, and a distinctive side group. I'll give you a side group, and you tell me which amino acid it belongs to, for 10 points each:

1. -CH₂-SH

Answer: cysteine

2. -CH₃

Answer: alanine

3. -CH₂-C₆H₅

Answer: phenylalanine

13. Place these events of religious history in chronological order, from earliest to latest, for 5 points each: Henry VIII becomes head of the Anglican Church, First Vatican Council begins, Muhammed is born, Kant's Critique of Pure Reason is published, Martin Luther posts 95 Theses, St. Augustine is born.

Answer: 1. St. Augustine is born (354) 2. Muhammed is born (c. 570) 3. Martin Luther posts 95 Theses (1517) 4. Henry VIII becomes head of the Anglican Church (1534) 5. Kant's Critique of Pure Reason is published (1781) 6. First Vatican Council begins (1869)

14. In 1947 the Trust Territory of the Pacific Islands was established which gave the United States trusteeship over about 2100 islands in Micronesia. Identify the three major island groups in which these islands are located, for 10 points each.

Answers: Caroline, Marshall, and Mariana

15. For 10 points each, name the authors of the following ancient Greek plays.

1. The Persians

Answer: Aeschylus

2. The Birds

Answer: Aristophanes

3. Hippolytus

Answer: Euripides

16. Name the 19th century composer from his works, 30-20-10.

1. Orpheus; Hamlet

2. Rondo di bravura; Soirees parisiennes

3. Mephisto Waltzes, Hungarian Rhapsodies

Answer: Franz Liszt

17. Answer the following questions about the 20th century American writer whose works include the novels Somebody in Boots and Never Come Morning, and the short story collection The Neon Wilderness, for 10 points each:

1. First, who is this writer?

Answer: Nelson Algren (born Nelson Ahlgren Abraham)

2. Two of Algren's works have been made into films. First, name his 1949 National Book Award winner about a poker dealer's drug addiction which was made into a 1956 film starring Frank Sinatra.

Answer: The Man With The Golden Arm

3. Finally, identify Algren's 1956 work about a man's search for his girlfriend which takes him to a New Orleans brothel. The 1962 film features a young Jane Fonda and a musical score by Elmer Bernstein.

Answer: A Walk On The Side

18. In Africa, there are two nations which share a border with only one other nation.

1. First, for 5 points apiece, name these two nations.

Answer: Gambia and Lesotho

2. Next, for 5 points apiece, what are the two nations which border Gambia and Lesotho?

Answer: Senegal and South Africa

3. Finally, for 5 points apiece, what are the capitals of Gambia and Lesotho?

Answer: Banjul and Maseru

19. Identify the following musicians for 15 points each.

1. Identify the Indian musician who scored the Pather Panchali trilogy, whose 1968 autobiography is entitled My Music, My Life.

Answer: Ravi Shankar

2. Name the American composer inspired by Shankar's work when he arranged some Shankar tunes to be played by Western instruments. In his own right, he has composed numerous film scores, as for the Francis Ford Coppola and George Lucas' productions Kyansgaatsi and Powaqaatsi

Answer: Philip Glass

20. Identify the political figure based on the post he held, 30-20-10.

1. Head of the Commission for Relief in Belgium, 1915-1919

2. Coordinator of the European Food Program, 1946-1947

3. Secretary of Commerce, 1921-1928

Answer: Herbert Hoover

21. I'll give you the name of a vitamin and you supply its letter name for 5 points each:

1. niacin

Answer: vitamin B3

2. pyridoxine

Answer: vitamin B6

3. thiamine

Answer: vitamin B1

4. alpha tocopherol

Answer: vitamin E

5. cyanocobalamin

Answer: vitamin B12

6. riboflavin

Answer: vitamin B2

22. Given the dates of a U.S. war, identify the war for 10 points each.

1. 1801-1805

Answer: Tripolitan War or Tripoli-U.S. War

2. 1846-1848

Answer: The Mexican-American War

3. 1817-1818, 1835-1842, 1856-1858

Answer: The Seminole Wars