

Round 15

Don't read

12/12/96

UNC QUESTIONS FOR THE 1995 EMORY JR. BIRD  
TOSSUPS edited ltm

1. Born in 1892, this American physicist directed a portion of the U.S. atomic bomb research during World War 2. He was a pioneer in research with x-rays and cosmic rays and won the 1927 Nobel Prize. FTP name this physicist whose work on x-ray scattering verified Einstein's photon theory.

ANSWER: Arthur COMPTON

2. This composer lived in Paris but was not French. Some of his works include REVOLUTIONARY ETUDE and RAINDROP PRELUDE, and he is also well-known for his affair with author George Sand. FTP name this Polish composer famous for his MILITARY POLONAISE.

ANSWER: Frederic CHOPIN

3. This mystery writer's books include THE GLASS KEY and THE THIN MAN, which became a film starring William Powell and Myrna Loy. His lover was Lillian Hellman, and his most famous character is Sam Spade. FTP name this author of THE MALTESE FALCON.

ANSWER: Dashiell HAMMETT

4. The Oath of Strasbourg, the first written French document, occurred during his reign in France. His father ruled before him and his grandsons fought over his domain. FTP name this Carolingian who was crowned on Christmas Day, 800.

ANSWER: CHARLEMAGNE

5. This scalar value is used to help determine the wavelength of emitted radiation when an electron jumps energy levels. Its value is  $1.097 \times 10^{-7}$  inverse meters, and is represented by a capital R. FTP name it.

ANSWER: RYDBERG CONSTANT

6. Valentine exhibits a head-over-heels approach to love, while Proteus exhibits inconstancy. Valentine is exiled but both men are united with their girlfriends, Silvia and Julia respectively. FTP name the Shakespearean play of these two men.

ANSWER: THE TWO GENTLEMEN OF VERONA

7. This president's term saw the Era of Hard Feelings as the chief social policy of our country. He instituted the Tariff of Abominations during his term, and the Erie Canal was finished. FTP name this man who won through the corrupt bargain of 1824.

ANSWER: John QUINCY ADAMS

8. Born in Ohio in 1865, this painter and influential teacher was a leader in the rebellion against academic art. He is best known for dramatic portraits such as WOMAN IN MANTEAU, HIMSELF, and HERSELF. FTP, name this Ashcan artist, a member of The Eight.

ANSWER: Robert HENRI

9. One lump sugar, one tablespoon water, 2 oz. bourbon, and a tall glass full of crushed ice. Add 4 sprigs of mint, and you have, FTP, what drink stereotypically associated with the American South?

ANSWER: MINT JULEP

10. He was twice imprisoned by the British, for being a German agent and again for terrorist acts. As President of Egypt, he dismissed the Soviet military mission to his country and recovered the Suez Canal Zone. After signing a peace treaty with Israel in 1979, he was assassinated by his own people. FTP, name Menachim Begin's Egyptian counterpart in the Camp David Accords.

Answer: Anwar SADAT

11. In 1972, some 700 people sat on death row across the US, after an informal moratorium on executions in 1967. This test case, which produced 9 separate opinions and a 5-4 split, was significant in determining their fates. The Supreme Court finally ruled that capital punishment was illegal AT THAT TIME in what landmark case, FTP?

ANSWER: FURMAN V. GEORGIA

12. He lived in a castle with a Baron until he was thrown out for liberties taken with the Baron's daughter. This launched a worldwide voyage during which he killed a Spanish Inquisitor, barely escaped being eaten by cannibals, and found Eldorado. FTP, name the hero and namesake of Voltaire's most famous satirical novel.

ANSWER: CANDIDE

13. This author was born in 1947 in India. His first book, GRIMUS, was published in 1975. His most recent is HAROUN AND THE SEA OF STORIES. He is better known, however, for his 1989 book whose publication sent him into hiding. FTP, name the author whose THE SATANIC VERSES earned him death threats from Islamic leaders.

ANSWER: Salman RUSHDIE

Another famous

14. The drug hydroxyurea, commonly used to battle leukemia, has been found recently to have some effect on this disease, caused when abnormal protein makeup distorts the passage of oxygen through the blood system. This disease is the leading genetic illness among African Americans, affecting one in 400.

FTP ANSWER: SICKLE CELL ANEMIA

15. The Northern Hebrew kingdoms intermarried with the pagan races extensively after Israel's fall and became known as a separate people from the Hebrew community. It was surprising that it is to them that Jesus often speaks, considering the low regard by which they were held by the southern Jews. His talking to a female one of these by the well and describing a "good" one of these helping out an injured Jew was thus quite controversial.

FTP Name this people  
ANSWER: SAMARITANS

16. These single circular pieces of DNA are capable of moving from one bacterium to another, often facilitating what passes for "bacterial sex." These objects make a pilus connecting bacteria and allowing for some gene exchange. A modern theory on the operation of these structures has been proposed by Lynn Margulis. FTP, name these cell connectors.

ANSWER: PLASMIDS or F-PLASMIDS

17. Accused of Communist sympathies during the height of the Cold War, this folk artist authored and sang many songs devoted to the downtrodden and advocating peace and brotherhood. Honored by President and Mrs. Clinton in Jan. 1995, this artist once again drew criticism, now from the New Republican right. Their primary concerns were questions of his loyalty to his country, considering this authorship of "If I Had a Hammer" an admittedly pro-Soviet song. FTP, name this artist with no ties to the Silver Bullet Band.

ANSWER: Pete SEEGER

18. This 18th century biologist, a predecessor of Darwin, proposed that some species of animals were created by God, while others evolved from similar species of their own genus, but he is better remembered for the system of nomenclature in taxonomy, a form of which is still used by modern scientists.

FTP  
ANSWER: Carolus LINNAEUS

19. The first grand slam hit during All-Star game play occurred in 1987 when this former California Angel delivered the bases-loaded blast in a 13-3 AL win. He is best known though for his rookie season, in 1975, when he hit .331, delivering the pennant to his Boston Red Sox and being named rookie of the year and MVP, the only player to win both such honors in the same year.

**ANSWER: Fred LYNN**

20. In Colonial politics, the Seneca, Oneida, Onondaga, Mohawk, and other tribes formed this body in order to deal with the Europeans collectively, thus increasing their bargaining position and assuring the uniformity of Indian action in certain areas.

**ANSWER: League of the IROQUOIS**

21. Mrs. Jennings, Edward Ferrars, Mrs. Ferrars, Mr. Willoughby, Lucy Steele, Colonel Brandon, Elinor Dashwood, and Marianne Dashwood interact in late 18th century Sussex and Devonshire in what tale of two sisters who act with the extremes of practicality penned by Jane Austen.

**ANSWER: SENSE AND SENSIBILITY**

22. FQTP, what economist coined the phrase "conspicuous consumption" and wrote THE THEORY OF THE LEISURE CLASS?

**ANSWER: Thorston VEBLEN**

23. Elected to the U.S. House in 1938, this Southern representative accumulated seniority and power, eventually gaining the chairmanship of the Ways and Means Committee before falling victim to alcoholism and a weakness for a stripper named Fannie Fox, with whom he was found in a compromising position in a tidal basin in 1974. FTP, name this Arkansasian who was reknowned for his financial prowess and retired after the scandal hit the fan in 1974.

**ANSWER: Wilbur MILLS**

24. This musical, a 1971 winner of 3 academy awards was choreographed by Jerome Robbins and its music was adapted and conducted by John Williams. Featuring stirring solos by Isaac Stern, this musical tells the story of a Russian Jew facing the anti-Semitism and change of Czarist Russia.

**ANSWER: FIDDLER ON THE ROOF**

25. The followers of this ancient religion passed many of their newborn infants through the fire by putting their babies on a plank and forcing them to crawl across a plank over an open fire pit. The baby normally would fall off and thus be sacrificed to the gods. FTP, name this religion.

**ANSWER: MOLECH**

26. A mathematical function that matches up two sets, or by definition and characteristic is a transformation that is both one to one and onto.

**ANSWER: BIJECTION or BIJECTIVE**

# Round 15

## BONUSES

1. FTP each name the scientist who founded the concept.

- A. exclusion principle for quantum numbers
- B. postulated the positron
- C. reported evidence for expansion of the universe

ANSWER: Wolfgang PAULI  
ANSWER: Paul DIRAC  
ANSWER: Edwin HUBBLE

2. 30-20-10 name the composer given a work

30. THE THIEVES OF MAGPIE

20. CINDERELLA *Thieving*

10. WILLIAM TELL

ANSWER: Giacchiano ROSSINI

3. 10-5 name the author given works.

10. A WONDER BOOK FOR BOYS AND GIRLS

5. THE SCARLET LETTER

ANSWER: Nathaniel HAWTHORNE

10. SEVENTEEN

5. ALICE ADAMS

ANSWER: Booth TARKINGTON

10. ADA

5. LOLITA

ANSWER: Vladimir NABOKOV

4. FTP each answer these questions regarding the Edict of Nantes.

- A. In what year was it issued?
- B. What state-centered monarch revoked it?
- C. Who declared it?

ANSWER: 1598  
ANSWER: Louis XIV  
ANSWER: Henry IV

5. FTP each name the physics concept given another description.

A. Planck's constant divided by momentum

ANSWER: DE BROGLIE WAVELENGTH

B. Planck's constant divided by electron mass divided by speed of light; quantity times one minus cosine of the angle

ANSWER: COMPTON SHIFT

C. change in energy times change in time equals h-bar

ANSWER: HEISENBERG UNCERTAINTY PRINCIPLE

6. 30-20-10 Name the author.

30. THE DEER PARK

20. AN AMERICAN DREAM

10. THE NAKED AND THE DEAD

*TOUGH GUYS DON'T DANCE*  
*EXECUTIONERS.*

ANSWER: Norman MAILER

7. FTP name the black American who achieved these firsts.

A. first black to win an Academy Award, for GONE WITH THE WIND

ANSWER: Hattie MCDANIEL

B. first black woman in Congress

ANSWER: Shirley CHISHOLM

C. first black governor

ANSWER: L. Douglas WILDER

8. Given the definition, give the musical term FTP each. Hint: each begins with the letter 's'.

A. a symbol placed on the staff at the beginning of a piece that shows the key and the meter

ANSWER: SIGNATURE

B. a rhythmic pattern which places emphasis on beats that are not usually accented

ANSWER: SYNCOPATION

C. sustaining the tone to or beyond the nominal value

ANSWER: SOSTENUTO

9. A is Alpha, B is Bravo. Given the letter of the alphabet, give its equivalent in the International Radio Alphabet FTP EACH, plus an additional 5 if all are correct.

A. E ANSWER: ECHO

B. N ANSWER: NOVEMBER

C. U ANSWER: UNIFORM

D. P ANSWER: PAPA

E. W ANSWER: WHISKEY

10. Given a brief summation of the O. Henry short story, give the title FTP each.

A. Bill and Sam kidnap 10-year-old Johnny Dorset, and end up paying his father to take him back.

ANSWER: THE RANSOM OF RED CHIEF

B. Jimmy Valentine, a fugitive safecracker, has determined to go straight and marry a banker's daughter. When her sister is accidentally locked in a safe, he opens it despite the fact that his identity will be revealed.

ANSWER: A RETRIEVED REFORMATION

C. A young couple sells their most prized possessions to buy each other Christmas gifts. Della's hair goes to buy Jim a watch chain, and Jim's watch is sold to buy Della a set of hair combs.

ANSWER: THE GIFT OF THE MAGI

11. 30-20-10 name this Biblical figure

30- Cupbearer to King Artaxerxes

20- helped lead rebuilding of Jerusalem's walls after Babylonian exile

10- wrote the book of the Bible after Ezra, before Esther

ANSWER: NEHEMIAH

12. FTP each, answer the following questions about Orwell's 1984.

A. ~~Who writes the illegal diary?~~ <sup>Paragonist</sup> ANSWER: Winston SMITH

B. Who is Winston Smith's torturer? ANSWER: O'BRIEN

C. Who is ~~Number One's~~ <sup>SMITH'S</sup> lover? ANSWER: JULIA

13. Name the conference, given the following. (30-20-10)

(30) This conference hoped to see an international financial system with stable exchange rates, with exchange controls and discriminatory tariffs being ended as soon as possible.

(20) This 1944 conference featured representatives from 44 nations.

(10) At this conference, plans were drawn up for both a World Bank and an International Monetary Fund.

ANSWER: BRETTON WOODS

14. Sigmund Freud identified a number of defense mechanisms which the ego forms, and his daughter Anna continued his work. FTP each, given a definition, identify the Freudian mechanism.

A. This reaction usually involves "making up for" an emotion or an earlier action by another action, typically ritualistic or extreme. For example, cleaning compulsively after a fight.

ANSWER: UNDOING

B. In this reaction, one not only denies having an emotion towards someone, but transfers it to the other party. A typical statement would be, "I don't resent him - he's the one who resents me!"

ANSWER: REVERSAL

C. This reaction, unlike reversal, involves attributing an emotion to a third party, such as "I'm not the one who's mad at him - she is."

ANSWER: ANSWER: PROJECTION

15. FTP each, answer these questions about the hit series Head of the Class

A. What IHP stood for ANSWER: INDIVIDUALIZED HONORS PROGRAM

B. the high school ANSWER: FILLMORE High

C. The teacher played by Howard Hesseman ANSWER: CHARLIE MOORE

16. Given the information, name the evolutionary biologist (15 each)

A. Successor to Lamarck, this Parisian hypothesized that a series of fauna-destroying floods would reconcile the differences between science and creationism.

ANSWER: Georges CUVIER

B. Penning, the Sacred Theory of the Earth in 1691, this man proposed scriptural geology as a key to explaining evolution.

ANSWER: Thomas BARNET

17. 30-20-10 Name the religious work

30- Comprised of 2 parts, the Gemara and the Mishnah

20- Written as a supplement to the Torah

10- The chief law expositions of the Jewish faith, composed between 300 and 1000 AD.

ANSWER: The TALMUD

18. Given the description name the type of algae.

A. Another name for Pyrrophyta or Red Algae, they are the principal components of red tides

ANSWER: DINOFLAGELLATES

B. The principal members of Chrysophyta or golden algae, these organisms are at the bottom of the food chain, consisting merely of a 2-piece box of opaline silia.

ANSWER: DIATOMS

C. Another name for Chlophyta, these include seaweeds and are considered ancestors of kingdom Plantae. They contain chloroplasts as well as tiny aragomite crystals

ANSWER: GREEN algae

19. Given works name the composer

A. Holberg Suite, Norwegian Dance and Songs, Lyric Pieces, Peer Gynt Suite

ANSWER: Edward GRIEG

B. Songs and Dances of Death, Night on Bald Mountain, Pictures from an Exhibition

ANSWER: Modest Petrovich MUSSORGSKY

C. Romanian Folk Dances, Duke Bluebeard's Castle, Hungarian Peasant Songs

ANSWER: Bela BARTOK

20. Trajan ruled Rome from 98-117AD, name in order the 4 previous emperors, 5 each + 10 if all correct.

ANSWER: NERVA, DOMITIAN, TITUS, VESPASIAN

21. For 15 each name the person

A. He set up a geometric system consisting of 5 axioms and 5 postulates

ANSWER: EUCLID

B. Now name the man who created the first non-Euclidean geometry while trying to prove the validity of Euclid's fifth postulate

ANSWER: Girolamo SACCHIERI

22. Given the date name the disaster for 15 points, if you need the state, you'll get 5.

A. 10) May 6, 1937

5) New Jersey

ANSWER: HINDENBURG accident

B. 10) April 19, 1906

5) California

ANSWER: SAN FRANCISCO EARTHQUAKE

23. Identify this monumental American novel, published in 1936, from the given characters. (30-20-10)

(30) Ragnar Danneskjold, Wesley Mouch

(20) Francisco d'Anconia, Henry Rearden

(10) Dagny Taggart, John Galt

ANSWER: Ayn Rand's ATLAS SHRUGGED

24. Given the discription of a Clinton advisor/associate, name him

A. Clinton first chief of staff and an old Arkansas crony who was nicknamed "the nice"

ANSWER: Mack McLARTY

B. Clinton's original Defense Secretary, a former US Representative from Wisconsin

ANSWER: Les ASPIN

C. A Clinton lawyer who was found dead after an apparent suicide

ANSWER: Vince FOSTER

25. You will be given a series of inventions and their inventors from ONE year. Name the year (30-20-10).

(30) Carbide Corp., Carbon Chemical Corp., and DuPont - PVC

(20) Hans Geiger - Geiger counter

(10) Alexander Fleming - penicillin

ANSWER: 1928