



NHS and NJHS Scholars' Bowl™ The Qualifying Examination

The first phase of the NHS and NJHS Scholars' Bowl competition involves taking the Qualifying Examination to determine the top-scoring teams (NHS – 32; NJHS – 8) that will go on to phase two, the quick response rounds.

Each member of the 5-person team takes an exam. The five categories are: English, Math, Science, Social Studies, and General Knowledge. Each team will have one member taking an exam in each category. When students finish or when the time limit for the testing period (60 minutes) has been reached, they submit their answer sheets along with the copy of the questions.

The exams are scored and the top teams (NHS – 32; NJHS – 8) are identified for the next round of participation.

At the conclusion of the competition, the top-scoring individuals in each of the five categories are recognized at the Awards Ceremony. In addition, the team with the highest total score on the exams will also be recognized.

Attention NJHS Scholars' Bowl Teams: While the format will be the same as the questions found below, the content will be appropriate to middle level studies. Sample questions for NJHS are currently under development.

SAMPLE QUESTIONS: Here are some sample questions from each category from past Qualifying Examinations:

English:

1. Quotes

Complete this quote.

It is a far far better thing that I do than I have ever done. It is a far far better rest that I go to than I ...

- A. have ever known
- B. could have expected
- C. should hope to deserve
- D. can possibly anticipate
- E. ever dreamed imaginable

2. James Michener

Which novel by James Michener is not paired with the region it concerned?

- A. "The Source" - Israel
- B. "Centennial" - Virginia
- C. "Chesapeake" - Maryland
- D. "Caravans" - Afghanistan
- E. "The Covenant" - South Africa

3. Literature

Spenser's "The Faerie Queene" and Bunyan's "Pilgrim's Progress" are ...

- A. novels
- B. sonnets
- C. allegories
- D. euphemisms
- E. morality plays

4. Play Time

Who wrote a play about ten guests invited to a luxurious retreat who discover their unknown host is among them, intent on murder?

- A. Arthur Miller
- B. William Gibson
- C. Agatha Christie
- D. Frances Goodrich
- E. Lorraine Hansberry

5. Utopian Literature

In "Brave New World," human embryos range from Alpha Plus Intellectuals to ...

- A. Epsilon Minus Morons
- B. Delta Deficient Dunces
- C. Lambda Limited Lunkheads
- D. Sigma Subnormal Simpletons
- E. Gamma Negative Nincompoops

Math:

1. Algebraic Factoring

Which is one of the factors of $15a^2 - 21ab - 18b^2$?

- A. $3a - 6b$
- B. $3a - 3b$
- C. $5a + 6b$
- D. $-5a + 3b$
- E. $-3a + 3b$

2. Second Chances

You draw an ace from a deck of cards. Then you draw a second card from the deck. The chances that it also will be an ace are 1 in ...

- A. 12
- B. 17
- C. 51
- D. 103
- E. 169

3. Simultaneous Equations

What is b in this pair of equations?

$$-3a - 4b = 8$$

$$5a + 3b = -6$$

- A. 0
- B. -1
- C. -2
- D. -3
- E. -4

4. Labor Problems

Jean worked 1 hour more than Jerri. Jerri worked 2 hours less than Jan. Jan worked 3 hours. Julie worked twice as long as Jean. How many hours did Julie work?

- A. 3
- B. 4
- C. 5
- D. 6
- E. 7

5. Trigonometry

Which statement is impossible?

- A. $\cos \theta = 0.01$
- B. $\sin \theta = 1.500$
- C. $\tan \theta = 10$ to the 6th power
- D. $\cot \theta = 2$ and $\tan \theta = 1/2$
- E. $\cos \theta$ is positive and $\tan \theta$ is negative

Science:

1. Shock

The symptoms of insulin shock can be best alleviated by having the patient consume ...

- A. fish or liver
- B. candy or fruit juice
- C. noodles or potatoes
- D. salt tablets or water
- E. lettuce or vegetable greens

2. The Periodic Table

The atomic number of which element differs most from the atomic number of aluminum?

- A. lithium
- B. titanium
- C. nobelium
- D. vanadium
- E. molybdenum

3. Organic Macromolecules

Proteins consist of many amino acids linked together by ---- bonds.

- A. ionic
- B. double
- C. peptide
- D. covalent
- E. hydrogen

4. Measurement

Which unit equals the work done by a force of 1 dyne acting through 1 centimeter?

- A. lux
- B. erg
- C. henry
- D. newton
- E. roentgen

5. Life

Endogenous motility refers to an organism's ability to . . .

- A. mutate
- B. reproduce
- C. move about
- D. shed its skin
- E. change coloration

Social Studies:

1. The United Nations

The capital of a nation that is a permanent member of the U.N. Security Council is ...

- A. Cairo
- B. Paris
- C. Ottawa
- D. Brussels
- E. New Delhi

2. Military Engagements

The Battle of Balaklava was fought in the ...

- A. World War I

- B. Crimean War
- C. Seven Years War
- D. War of the Roses
- E. Russo-Japanese War

3. Literacy

Which have the lowest literacy rates?

- A. Bahrain, Jordan
- B. Somalia, Eritrea
- C. Costa Rica, Jamaica
- D. Taiwan, South Korea
- E. Liechtenstein, Monaco

4. Trail Tunes

The lyrics, "ki yi yippie yippie yay" are from a ballad about the ---- Trail.

- A. Oregon
- B. Iroquois
- C. Chisholm
- D. Santa Fe
- E. Old Spanish

5. Nearly Neighbors

Which peninsulas are in closest proximity?

- A. Kola and Eyre
- B. Balkan and Malay
- C. Gaspe and Iberian
- D. Yucatan and Sinai
- E. Chukchi and Seward

General Knowledge:

1. Marine Biology

Which is not an aquatic homeotherm?

- A. seal
- B. shark
- C. whale
- D. walrus
- E. penguin

2. Authors

Who wrote a novel that begins with two Indian men falling out of a jetliner blown up by terrorists?

- A. Tom Wolfe
- B. Harper Lee
- C. Norman Mailer
- D. Salman Rushdie
- E. Stephen Sondheim

3. Household Chemistry

Which is a colloid?

- A. ice
- B. salsa
- C. vinegar
- D. mayonnaise
- E. Cabernet Sauvignon

4. Mammal Muscles

The pyloric sphincter is between the ...

- A. heart and aorta
- B. stomach and duodenum
- C. ear and Eustachian tube
- D. small and large intestine
- E. cerebrum and cerebellum

5. Life Forms

Abyssopeagic and benthonic fauna have been revealed by ...

- A. robot probes on Mars
- B. deep-water submersibles
- C. core samples of the Moho
- D. analyzing dust from comets
- E. climbing teams in the Himalayas

Answers:

English: 1.A, 2.B, 3.C, 4.C, 5.A

Math: 1.A, 2.B, 3.C, 4.B, 5.C

Science: 1.B, 2.C, 3.C, 4.B, 5.C

Social Studies: 1.B, 2.B, 3.B, 4.C, 5.E

General Knowledge: 1.B, 2.D, 3.D, 4.B, 5.B

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