

חידון המדע הירושלמי תשס"ח - 2008-2009 Jerusalem Science Contest
Electromagnetic and Ionizing radiation
Exam 13 - Judaica Lecture - Spiritual Light

Name: _____

Date: _____

Raw Score: _____

Percentage Score: _____ %

Proctor for this Examinaton: _____ Form: _____

Choose the best answer

All Questions are based upon the interpretation of Malbim, as discussed in the lecture.

- 1) Not involving total destruction of the original form
 - A) is denoted by the words ירהי כן
 - B) is a kabbalistic way of saying 'reflection'.
 - C) is the manner in which God created vegetation
 - D) is how light is distinguished from God's other acts of creation.

- 2) About what was Rabbi Shimon b. Yehotzadak amazed?
 - A) He showed no amazement
 - B) He was answered in a whisper
 - C) The content of the response was unexpected
 - D) He had to shout his question

- 3) Why was it necessary for אור מוגשם not to glow?
 - A) to be useful in time regulation
 - B) to imitate the Sun
 - C) To start planetary rotation
 - D) it was not important for אור מוגשם to stop glowing.

- 4) Why did God need to 'shut off' the glow immediately on the first day of creation?
 - A) To distinguish it from אור שכלי
 - B) God did not shut off the glow immediately
 - C) Earth could not withstand the power of the first glow.
 - D) To make a 12 hour night precede a 12 hour day

- 5) The existence of the verse 'עוטה אור כשלמה'
 - A) negates the need for a whisper
 - B) Poetically describes the Sun's radiance
 - C) Cloaks the world in mystery
 - D) All of the above are correct

- 6) What differentiates אור מוגשם from אור שכלי?
- A) The terms are synonymous
 - B) One lights the whole world, the other only lights up half.
 - C) One radiates from God, the other from stars
 - D) sensual perception
- 7) Which of the following was not associated with a physical light source.
- A) Sun light in the עולם השכל.
 - B) אור מוגשם in the physical world
 - C) Sun light on the fourth day of creation.
 - D) Sun light on the first day of creation
- 8) Creation of 'something from nothing' is indicated only by the term..
- A) בראשית
 - B) ויהי
 - C) ויאמר
 - D) None of the above
- 9) A world of higher spiritual level than the עולם השכל?
- A) עולם המלאכים
 - B) עולם העשיה
 - C) there is no higher world
 - D) All of the above
- 10) What is a symbol of the cloak?
- A) It symbolizes the closeness of the אור שכלי to the physical world
 - B) It symbolizes God's imparting power to the Sun
 - C) It symbolizes the closeness of the אור מוגשם to the spiritual world
 - D) It symbolizes the collors of the spectrum
- 11) What terminology indicates that God used an existing form to create something new?
- A) ויאמר
 - B) ויקרא
 - C) ויהי
 - D) ויבדל
- 12) אור ויהי refers to
- A) אור שכלי
 - B) Sun light
 - C) אור מוגשם
 - D) Moon light
- 13) Based upon known physics, the properties of אור מוגשם would logically negate
- A) visible and non-visible light
 - B) Good and Evil
 - C) Dusk and Dawn
 - D) Day and Night

- 14) When was it light all over the world?
- A) All 72 hours of the first three days of creation.
 - B) Each day from day four of creation and onward
 - C) for 12 hours during each of the first three days of creation
 - D) All 24 hours of the first day of creation.
- 15) Why was it necessary to filter spiritual light.
- A) to allow perception by the senses
 - B) to make it usable on Earth
 - C) to remove the light's danger in a lower world
 - D) All of the above are correct
- 16) Which of the following terms best indicates the existence of a non-visible light?
- A) ירא
 - B) ויהי כן
 - C) ויבדל
 - D) ויאמר
- 17) Who was wearing something as if it were a cloak?
- A) Malbim
 - B) Rabbi Shimon
 - C) God
 - D) Rabbi Shmuel
- 18) What source indicated that creation should not be taught publicly?
- A) Covering himself in a cloak
 - B) Calling the darkness night
 - C) Whispering the answer
 - D) Separating the darkness
- 19) Let's say that a clock assigns numbers 1 through 24 to each hour of a day such that the first hour of any day starts at 01:00 and the last hour of the day starts at 24:00. On day five of Creation 09:00 in Chicago is 17:00 in Jerusalem. What time would it be in Chicago if on the second day of Creation it was 03:00 in Jerusalem?
- A) 19:00, first day of Creation
 - B) 11:00, second day of Creation
 - C) 03:00, second day of Creation
 - D) there is not enough information to calculate the time
- 20) How do we know that light was created from nothing?
- A) Because it was made on the first day.
 - B) Light was not created from nothing
 - C) Because of the words "ויהי אור"
 - D) Because everything else was made from light.
- 21) Sunlight, אור שכלי, אור מוגשם
- A) bright, dark, intelligent
 - B) Most spiritual to most physical
 - C) Most physical to most spiritual
 - D) scriptural, scientific, kabbalistic