

Jerusalem Science Contest 2008-2009 - חידון המדע הירושלמי תשס"ח
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 how light is distinguished from God's other acts of creation.
 - B) is denoted by the words **ייהי כן**
 - C) is a kabbalistic way of saying 'reflection'.
 - D) is the manner in which God created vegetation

- 2) Why was it necessary to filter spiritual light.
 - A) to make it usable on Earth
 - B) to allow perception by the senses
 - C) to remove the light's danger in a lower world
 - D) All of the above are correct

- 3) Which of the following was not associated with a physical light source.
 - A) Sun light on the fourth day of creation.
 - B) **אור מוגשם** in the physical world
 - C) Sun light on the first day of creation
 - D) Sun light in the **עולם השכל**.

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

- 5) When was it light all over the world?
 - A) for 12 hours during each of the first three days of creation
 - B) All 24 hours of the first day of creation.
 - C) All 72 hours of the first three days of creation.
 - D) Each day from day four of creation and onward

- 6) About what was Rabbi Shimon b. Yehotzadak amazed?
- A) He had to shout his question
 - B) He was answered in a whisper
 - C) The content of the response was unexpected
 - D) He showed no amazement
- 7) 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) 03:00, second day of Creation
 - B) 11:00, second day of Creation
 - C) 19:00, first day of Creation
 - D) there is not enough information to calculate the time
- 8) Which of the following terms best indicates the existence of a non-visible light?
- A) וירא
 - B) ויבדל
 - C) ויאמר
 - D) ויהי כן
- 9) Why was it necessary for אור מוגשם not to glow?
- A) To start planetary rotation
 - B) to imitate the Sun
 - C) it was not important for אור מוגשם to stop glowing.
 - D) to be useful in time regulation
- 10) Creation of 'something from nothing' is indicated only by the term..
- A) ויאמר
 - B) בראשית
 - C) ויהי
 - D) None of the above
- 11) A world of higher spiritual level than the עולם השכל?
- A) there is no higher world
 - B) עולם המלאכים
 - C) עולם העשיה
 - D) All of the above
- 12) What terminology indicates that God used an existing form to create something new?
- A) ויהי
 - B) ויבדל
 - C) ויקרא
 - D) ויאמר
- 13) How do we know that light was created from nothing?
- A) Because of the words "ויהי אור"
 - B) Because it was made on the first day.
 - C) Light was not created from nothing
 - D) Because everything else was made from light.

- 14) What is a symbol of the cloak?
- A) It symbolizes God's imparting power to the Sun
 - B) It symbolizes the closeness of the אור מוגשם to the spiritual world
 - C) It symbolizes the closeness of the אור שכלי to the physical world
 - D) It symbolizes the collors of the spectrum
- 15) What differentiates אור מוגשם form אור שכלי?
- A) One radiates from God, the other from stars
 - B) The terms are synonymous
 - C) One lights the whole world, the other only lights up half.
 - D) sensual perception
- 16) Why did God need to 'shut off' the glow immediately on the first day of creation?
- A) God did not shut off the glow immediately
 - B) Earth could not withstand the power of the first glow.
 - C) To distinguish it from אור שכלי
 - D) To make a 12 hour night precede a 12 hour day
- 17) What source indicated that creation should not be taught publicly?
- A) Separating the darkness
 - B) Covering himself in a cloak
 - C) Calling the darkness night
 - D) Whispering the answer
- 18) אור ויהי אור refers to
- A) אור שכלי
 - B) Moon light
 - C) אור מוגשם
 - D) Sun light
- 19) Sunlight, אור שכלי, אור מוגשם
- A) Most physical to most spiritual
 - B) scriptural, scientific, kabbalistic
 - C) Most spiritual to most physical
 - D) bright, dark, intelligent
- 20) Who was wearing something as if it were a cloak?
- A) Rabbi Shmuel
 - B) God
 - C) Malbim
 - D) Rabbi Shimon
- 21) Based upon known physics, the properties of אור מוגשם would logically negate
- A) Day and Night
 - B) Dusk and Dawn
 - C) visible and non-visible light
 - D) Good and Evil