

Electromagnetic and Ionizing radiation
Exam 14 - Creation Time and Rainbows

Name: _____

Date: _____

Raw Score: _____

Percentage Score: _____ %

Proctor for this Examinaton: _____ Form: _____

Choose the best answer

- 1) Concerning viewing pre-flood rainbows, Malbim feels
 - A) were normal occurrences that were not significant
 - B) was impossible as God had not yet created the rainbow
 - C) this was impossible to due thick cloud cover
 - D) none of the above

- 2) Nachmanides (Rambam) derives his belief about the pre-flood existence of rainbows from the verse:
 - A) "I placed" - נחתי
 - B) " I shall see it" - וראיתיה
 - C) Both of the above
 - D) None of the above

- 3) According to Sforno to whom was the sign of the rainbow primarily directed?
 - A) to the evil reminding them that they will be punished
 - B) to the righteous so that they urge the evil to repent
 - C) to nobody in particular
 - D) to the children so that they tell their parents who will in turn repent.

- 4) According to Nachmanides (Ramban) biblical time starts....
 - A) with one photon the size of a mustard seed
 - B) with the creation of man
 - C) with the appearance of matter
 - D) with the creation of the Sun

- 5) Rav Kook's pre and post flood distinction is:
 - A) Pre-flood, one huge cloud. Post flood, frequent light showers.
 - B) Pre-flood, people were supposed to serve God through thought. Post flood, through action
 - C) Pre-flood, the refractive index of water equalled that of air. Post flood, the indices were as they are today.
 - D) Pre-flood, God had not yet created light refraction. Post flood, He did.

- 6) According to Malbim...
- A) The righteous represent thick opaque clouds filled with water ready to nourish the land
 - B) The righteous represent the light mist after a rain because they are very spiritual
 - C) The evil represent a light mist devoid of blessing for the land
 - D) None of the above
- 7) Ramban (Nachmanides) preferred
- A) The Greek explanation of how rainbows work
 - B) to believe that it was very cloudy before he flood
 - C) to believe that rainbows did not exist before the flood
 - D) all of the above
- 8) Which of the following is the strongest indicator that , according to the Torah, time perception was not Earth based during the days of creation is:
- A) There was no Sun until day four
 - B) Adam was not created until the end of the sixth day.
 - C) All of the above equally demonstrate the same thing.
 - D) According to the Torah, there was no Earth for the first two days.
- 9) The verse "These are the generations of the heavens and the earth when they were created; in the day that the Eternal God made earth and heavens" (Gen. 2:4) may demonstrate that our perception of billions of years is not exclusive of a 24 hour day perception. How does the verse do this?
- A) First it says "heavens and earth" then it says "earth and heavens" and finishes by saying 'day'.
 - B) Earth and heavens are compared to generations
 - C) The verse juxtaposes "generations" and "day".
 - D) All of the above
- 10) The unlikelihood of indiscriminate nature change prompted Kli Yakar to write that
- A) It never rained before the flood
 - B) the rainbows were ignored during the lifetimes of great sages.
 - C) one huge cloud covered the Earth before the flood.
 - D) all of the above
- 11) When studying the brief biblical age of the universe, what error is commonly made?
- A) No recorded errors are known ever to have been made in calculating the biblical age of the universe.
 - B) not choosing the proper event from which to calculate
 - C) not choosing the proper reference frame for calculation
 - D) not choosing the proper location of perception
- 12) What do Malbim and Sir Isaac Newton have in common?
- A) The number seven. Malbim talks about God's characteristics and Newton talks about the colors of a rainbow.
 - B) The same birthday
 - C) They both saw symbolism in Noah's rainbow
 - D) Nothing
- 13) What verse indicates that God has a perspective of time different from humanity?
- A) A thousand years in Your sight are as a day that passes - אלף ימים בענין כיום אתמול
 - B) How can man know the years of your creation - איך ידע אדם שנות בריותיך
 - C) Understand the years of the generations - בינות שנות דור ודור
 - D) None of the above

- 14) According to Malbim , God's post flood covenant provided that...
- A) During eras of evil activity, rainfall will be similar to pre-flood rainfall, but not as devastating
 - B) righteous activity will produce frequent light rain showers adequate to nourish crops
 - C) Evil activity will yield infrequent rainfall
 - D) all the above answers are correct
- 15) What Rabbinic tradition may indicate that creation followed a time scheme from a perspective different from what we are accustomed?
- A) The Talmudic statement - "Creation was different"
 - B) The Midrash that states that God added 4 hours to the sixth day in order to finish his work
 - C) Rosh Hashannah is the anniversary of Adam's creation
 - D) None of the above
- 16) Both the Talmud and Nachmanides (Ramban) say that 'Bohu' is:
- A) the building blocks of matter
 - B) the spirit of God
 - C) all biological life forms
 - D) The Milky way galaxy
- 17) According to Malbim, the rainbow may symbolize...
- A) That all are created equally in the eyes of God
 - B) God's light manifested in the righteous as their good deeds
 - C) that rainfall will always be heavy if you keep the commandments
 - D) None of the above
- 18) How does Sforno define the covenant of the rainbow?
- A) The inverse order of colors in the secondary of a double rainbow indicates God's displeasure
 - B) A rainbow indicates that it is God who controls rainfall.
 - C) A full arc rainbow indicates God's pleasure
 - D) None of the above
- 19) "A word well spoken is like apples of gold in bowls of silver" (Prov 25:11) indicate that:
- A) The Torah reveals secrets to those who scrutinize it closely
 - B) Torah wisdom is a mixture of gold and silver
 - C) discovery of unimportant information inevitably leads to the discovery of important information
 - D) A scientist must choose her words carefully when making a presentation
- 20) According to Malbim a major difference of pre vs. post flood rainfall was...
- A) the refractive index of pre-flood water was the same as air
 - B) its frequency
 - C) the density of water
 - D) There was no significant difference