

Time Allowed: 3 Hours Marks: 75

Note:- Three are THREE sections in this paper i.e. Section A, B and C.

Attempt Section-A on the same paper and return it to the superintendent within the given time.

No marks will be awarded for Cutting, Erasing or Overwriting. Marks of Identification will lead to UFM case. Mobile Phone etc are not allowed in the examination hall.

Time Allowed: 20 minutes Section – A Marks: 15

Q1:- Write the correct option i.e. A, B, C or D in the empty box provided opposite to each part.

- (i) Percentage of oxygen in human body is.....
 (a) 18% (b) 10% (c) 65% (d) 70%
- (ii) An essential constituent of teeth and bones is
 (a) Sodium (b) Iodine (c) Potassium (d) Calcium
- (iii) The shape of enzyme is.....
 (a) Rod shaped (b) Globular (c) Rectangular (d) V-shaped
- (iv) Hemoglobin is an containing compound.
 (a) Iodine (b) Sodium (c) Silver (d) Iron
- (v) is considered as father of Optics.
 (a) Bu-Ali-Sina (b) Ibn-ul (c) Jabber Bin Hayyan (d) Al-Razi
- (vi) Which one is a rare gas
 (a) Chlorine (b) Argon (c) Oxygen (d) Hydrogen
- (vii) To take much increase blood pressure.
 (a) Pulses (b) Fish (c) Sodium chloride (d) Butter
- (viii) The average life of red blood cell is about
 (a) 10 days (b) 30days (c) 60 days (d) 120days
- (ix) Vitamin that helps in clotting of blood is
 (a) Vitamin A (b) Vitamin K (c) Vitamin B (d) Vitamin C
- (x) Which one is a Universal donor?
 (a) Blood group B (b) Blood group AB
 (c) Blood group O (d) Blood group A
- (xi) Bacteria are classified into groups.
 (a) Three (b) Five (c) Four (d) Two
- (xii) The viral disease is
 (a) Polio (b) Typhoid (c) Tetanus (d) Cholera
- (xiii) "Al – Shifa" was written by
 (a) Al-Razi (b) Al-Baironi (c) Bu-Ali-Sina (d) Jabber Bin Hayyan
- (xiv) Which one is not a mineral salt?
 (a) Oxygen (b) Sodium (c) Chlorine (d) Iron
- (xv) Which enzyme acts on carbohydrates?
 (a) Maltase (b) Trypsin (c) Lipase (d) Pepsin

Note:- Time Allowed for Section – B and Section – C is 2 Hours and 40 minutes.

Section – B Marks: 36

QII: Answer any NINE parts. Each part carries FOUR Marks.

1. What was the work of Muhammad Bin Zakriya Al Razi?
2. Define vaccine. Name three diseases which can be prevented by Vaccines.
3. What are Antibiotics?
4. How can we prevent ourselves from Malaria?
5. What is Graphite? What are its uses?
6. Describe the causes of Nervous Breakdown?
7. What measures should be taken in case of snake Bite?
8. Write the beneficial aspect of regular exercise.
9. What is Respiration?
10. What is the industrial use of Chlorine?
11. What are the advantages of Science?
12. Define Astronomy.

Section – C Marks: 24

Note:- Attempt any Three questions. All questions carry equal marks.

QIII: What is the concept of science in Islam? Explain.

QIV: What is genetic Engineering? What is its significance in Agriculture?

QV: Define carbohydrates. What are the types of Carbohydrates?

QVI: What is typhoid? What are its symptoms, causes prevention and treatment?