



S.S.C (Part-I) A/2023
(For all Sessions)

Roll No _____ to be filled in by the candidate

Paper Code **5 0 9 1**

General Science (Objective)

Group - I

جزل سائنس (معروضی)

Time: 20 Minutes

RuP-1-23

Marks : 15

Note: Write answers to the questions on the objective answer sheet provided. Four possible answers are given. Which answer you consider correct fill the corresponding circle A,B,C or D in front of each question with marker or ink on the answer sheet provided.

نوت: ہر سوال کے چار گزج جوابات D,C,B,A دیے گئے ہیں۔ جو ای کاپل پر درست جواب کا انتخاب کرتے ہوئے مختلف دائے میں پین یا مار کر سے لٹک کریں۔

1.1 Who is founder of chemistry:
 (A) Ibn-ul-Haitham ابن الہیثم (B) Jabir-bin-Hayyan جابر بن حیان
 (C) Al-Bairuni الپرینی (D) Bu Ali Sina بو علی سینا

1.2 Ibn-ul-Haitham is related to which branch of science:
 (A) Sound اواز (B) Heat حرارت (C) Light روشنی (D) Chemistry کیمیا

1.3 Science of measurement is called:
 (A) Physics فزکس (B) Chemistry کیمی (C) Biology بیولوگی (D) Agriculture زراعت

1.4 The form of carbon which is not crystalline:
 (A) Charcoal چارکول (B) Graphite گرافیٹ (C) Bucky Balls بکی بولز (D) Diamond ڈیماؤن

1.5 The contents of sodium in leafy tissues vary from:
 (A) 0.01 - 10 % (B) 10 - 15 % (C) 12 - 16 % (D) 16 - 20 %

1.6 An essential element for protein is:
 (A) Oxygen اکسیجن (B) Nitrogen نیتروجن (C) Carbon کاربن (D) Neon نیون

1.7 The types of Nucleotides in DNA are:
 (A) 5 (B) 4 (C) 3 (D) 1

1.8 The function of platelets is:
 (A) Blood clotting خون کو جمود کرنا (B) Engulfing Bacteria آنٹی بائیوٹکٹری کو کھینچنا
 (C) To produce antibodies اپنی پروٹین پروٹینز کو کھینچنا (D) Transfer of oxygen اکسیجن کی ترسیل

1.9 Fats are formed by the combination of:
 (A) Glucose + Glucose گلوکوز + گلوکوز (B) Water + carbon dioxide پانی + کاربن ڈائی اکسائیڈ
 (C) Glycerol + fatty acids گلیسرول + فیٹ ایڈز (D) Amino acid + water آمینو ایڈز + پانی

1.10 The disease caused by deficiency of vitamin "D" in Children:
 (A) Scurvy سکرودی (B) T.B ٹی بی (C) Rickets ریکٹس (D) Anemia ریسیما

1.11 The disease cause by animal bites is:
 (A) T.B ٹی بی (B) Flu فل (C) Rabies ریبیز (D) Malaria ملیریا

1.12 The age of child in which he is given first injection of BCG is:
 (A) 9th Month نو ماہ (B) 3rd Month تین ماہ (C) At Birth پیدائش کے وقت (D) First Month ایک ماہ

1.13 The drinks which can be used more in Hepatitis are:
 (A) Water پانی (B) Juice جوس (C) Sugar cane juice گنے کا رس (D) All these یہ تمام

1.14 Ozone forms a protective layer in:
 (A) Troposphere ٹروپوسfer (B) Stratosphere سٹریٹوسfer
 (C) Mesosphere میزو سfer (D) Thermosphere ترموسfer

1.15 The thickness of atmosphere is:
 (A) 1000 Km (B) 1200 Km (C) 1600 Km (D) 200 Km

Roll No. to be filled in by the candidate

General Science (Subjective)

Time: 2:10 Hours

Rwp-1-23

Section - I

2. Attempt any six parts of the question.

(2x6=12)

- Define Era of Islamic chemistry.
- Write the scientific work of Al-Bairuni.
- When and where Pakistan performed nuclear test?
- Define Biology.
- Give two examples of ancient technology.
- Write two uses of Bucky balls.
- Describe Nitrogen cycle.
- Write two uses of sodium.
- Which things are required for burning process?

3. Attempt any six parts of the question.

(2x6=12)

- Define genetic Engineering.
- What is transgenic organism?
- Write four roles of genetic engineering in agriculture and livestock.
- Define vaccines.
- What is diet for old people?
- What are hormones?
- What is meant by aging?
- What is Beri Beri?
- Write two names of hormones secreted by pancreas.

4. Attempt any six parts of the question.

(2x6=12)

- How can we prevent dengue from spreading?
- How typhoid spreads from patient to others?
- What is sterilization?
- How can we get rid of malaria and bilharzia?
- Write two advantages of atmosphere.
- What is global warming?
- What are the hazards of land pollution?
- How petroleum was formed?
- What is an ore?

Section - II

Note: Attempt any three questions from the following:

(8x3=24)

- Write a note on contribution of Jabir Bin Hayyan for the development of science.
- Explain that water is a universal solvent.
- Discuss in detail on Blood groups.
- Write a note on vaccines.
- What is differences between fats and oils?
- Discuss in detail about diet for old and for young persons.
- Write a detailed note on narcotics?
- What is nerves break down? Explain in detail?
- Explain use and environmental effects of fossil fuels.
- Describe the measures to reduce the pollution.

حصہ دوم

نوت: درج ذیل میں سے کوئی سے تین سوالات کے جوابات تحریر کریں۔

- سائنس کی ترقی کے لیے جابر بن حیان کی خدمات پر نوٹ لکھیں۔
- وضاحت کریں کہ پانی ایک پوندری سل سالوئٹ ہے۔
- بلڈ گروپس پر وضاحت سے بیان کیجیے۔
- دیکیزیز پر نوٹ لکھیے۔
- فیش اور آنٹریٹس کیا فرقی ہے؟
- نوجوانوں اور عمر سیدہ افراد کی غذاء کے متعلق وضاحت کریں۔
- نار کو کس پر تفصیلی نوٹ لکھیے؟
- زدوس بریک اڈاون کیا ہے، اس پر تفصیلی نوٹ لکھیے؟
- فوسل فیبر کے استعمال اور اساحل پر اثرات کی وضاحت کریں۔
- آئوگی کے خاتمے کی تدابیر بیان کیجیے۔