GENERAL SCIENCE SSC-II

SECTION – A (Marks 15)

Time allowed: 20 Minutes

NOTE:- Section-A is compulsory. All parts of this section are to be answered on the question paper itself. It should be completed in the first 20 minutes and handed over to the Centre Superintendent. Deleting/overwriting is not allowed. Do not use lead pencil.

Q. 1 Circle the correct option i.e. A / B / C / D. Each part carries one mark.

(i) What is the number of chromosomes in monkey?
   A. 42  B. 40  C. 46  D. 48

(ii) The deficiency of vitamin_________ causes weakness of bones.
    A. A  B. D  C. C  D. E

(iii) Amino acids are formed by the breakdown of ____________.
     A. Lipids  B. Proteins  C. Fats  D. Carbohydrates

(iv) Average life of a red blood cell is ____________.
     A. 60 days  B. 80 days  C. 100 days  D. 120 days

(v) The shortage of insulin causes ____________.
    A. Beri Beri  B. Diabetes  C. Hepatitis  D. Typhoid

(vi) Chromite is used to make a special type of ____________.
     A. Steel  B. Copper  C. Brass  D. Bronze

(vii) Atmospheric air consists of 21 % ____________.
      A. Argon  B. Carbon Dioxide  C. Nitrogen  D. Oxygen

(viii) How many types of electric charges are there?
      A. 1  B. 2  C. 3  D. 4

(ix) The A.C we use in our homes has a frequency of ____________.
     A. 110 Hz  B. 220 Hz  C. 50 Hz  D. 60 Hz

(x) The quantity of energy supplied by the source to each unit of the electric charge is called the ________.
    A. Energy  B. Capacitance  C. Voltage  D. Current

(xi) Which year did the first man walk on the moon?

(xii) What is the number of Neutrons present in a hydrogen atom?
      A. 3  B. 2  C. 1  D. None

(xiii) Iron is converted into steel by adding ____________.
       A. Nickel  B. Carbon  C. Chromium  D. Zinc

(xiv) Ozone layer exists about ____________ km above the earth.
      A. 25  B. 30  C. 35  D. 40

(xv) A rocket which is used for space exploration has ____________ stages.
     A. 5  B. 2  C. 3  D. 4

For Examiner’s use only:

Total Marks: 15
Marks Obtained: 

—2SA 1112—
1. ایک سال میں چار بار لگائی جاتی ہے؟
   ج- 20
   ج- 40
   ج- 60
   ج- 80

2. بطور مادہ کی زیادہ تر استعمالیں ہوتی ہیں?
   ج- پیپل
   ج- جنگل
   ج- کٹا کٹا
   ج- ہوئیاں

3. کونے کی اوسط میں کتنے دن ہوتے ہیں؟
   ج- 21 دن
   ج- 22 دن
   ج- 23 دن
   ج- 24 دن

4. بطور آبادی کا عوام کی سطح ہوتی ہے?
   ج- زیادہ
   ج- بدل
   ج- کم
   ج- کافی

5. بطور سیاحات کا بالا سطح ہوتی ہے?
   ج- پہلا
   ج- دوماں
   ج- چوتا
   ج- چوہا

6. یہ کس سال کی تاسیس ہوئی؟
   ج- 1961
   ج- 1963
   ج- 1965
   ج- 1969
GENERAL SCIENCE SSC-II

Time allowed: 2:40 Hours
Total Marks Sections B and C: 60

NOTE:- Answer any twelve parts from Section 'B' and any three questions from Section 'C' on the separately provided answer book. Use supplementary answer sheet i.e. Sheet-B if required. Write your answers neatly and legibly.

SECTION – B (Marks 36)

Q. 2 Attempt any TWELVE parts. The answer to each part should not exceed 3 to 4 lines. (12 x 3 = 36)

(i) What is Metabolism?
(ii) What is Genetic Engineering?
(iii) What are Antibiotics?
(iv) What is Coordination is human body?
(v) What is the function of Ovaries and Testes in human body?
(vi) What treatment is immediately needed for the victim of snake-bite?
(vii) Write any three methods to reduce land pollution.
(viii) What is Global warming?
(ix) What is meant by Deforestation?
(x) What is a Circuit breaker and how does it work?
(xi) Name any six cities of Pakistan where Nuclear Medical centres have been established.
(xii) What are the Step-up and Step-down transformers?
(xiii) Write a short note on Capacitor.
(xiv) Define Isotopes and give two examples.
(xv) What are Optical fibers?
(xvi) What is electrocardiography (ECG)? Write down its importance.
(xvii) What does PINSTECH stand for?
(xviii) What is Thyroid gland?

SECTION – C (Marks 24)

Note: Attempt any THREE questions. All questions carry equal marks. (3 x 8 = 24)

Q. 3 Explain the composition of human blood.
Q. 4 Explain the production trends in four main crops of Pakistan.
Q. 5 What is Galvanometer? Explain its work. How can it be converted into Voltmeter and Ammeter?
Q. 6 Write a detailed note on Space-shuttle.