



Roll No. _____

S.S.C. (Part-II)-A-2019

(For all sessions)

Paper Code 7 0 9 2

RP-10-A-GII

گروپ-II-کروپ

General Science (Objective Type)

جنرل سائنس (معروضی)

Marks: 15

وقت: 20 منٹ Time: 20 Minutes

نمبر: 15

نوٹ: تمام سوالات کے جوابات دی گئی معروضی جوابی کاپی پر لکھیے ہر سوال کے چار ممکنہ جوابات A, B, C, D دیئے گئے ہیں، جس جواب کو آپ درست سمجھیں، جوابی کاپی پر اس سوال نمبر کے سامنے جزو A, B, C, D کے دائروں میں سے متعلقہ دائرے کو مار کر یا پین کی سیاہی سے بھر دیں۔

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

1.1. Unit of work is:

- (A) Joule جول (B) Watt واٹ (C) Second سیکنڈ (D) Meter میٹر

2. In which country most of the vehicles run with Alcohol?

- (A) China چین (B) America امریکہ (C) Brazil برازیل (D) Japan جاپان

3. Which Gas acts like Glass of greenhouse?

- (A) Oxygen آکسیجن (B) Methane میتھین (C) Sulphur dioxide سلفر ڈائی آکسائیڈ (D) Carbondioxide کاربن ڈائی آکسائیڈ

4. Electric current is flow of:

- (A) Atoms ایٹمز (B) Charges چارجز (C) Molecules مالیکیولز (D) Elements ایلیمنٹس

5. Electric supply provided to our homes is:

- (A) 200 volts D.C 200 ولٹ ڈی سی (B) 200 volts A.C 200 ولٹ اے سی (C) 100 volts A.C 100 ولٹ اے سی (D) 100 volt A.C D.C 100 ولٹ اے سی ڈی سی

6. How much Ampere Fuse is used for power plug?

- (A) 10 Ampere 10 امپیر (B) 6 Ampere 6 امپیر (C) 13 Ampere 13 امپیر (D) 20 Ampere 20 امپیر

7. Source of current in P-type semiconductor is:

- (A) Proton پروٹان (B) Neutron نیوٹران (C) Electron الیکٹرون (D) Holes ہولز

8. The process of changing AC into DC is called:

- (A) Rectification ریکٹیفیکیشن (B) Amplification امپلیفیکیشن (C) Multiplication ملٹیپلیکیشن (D) Modification موڈیفیکیشن

9. First time human voice was transmitted in:

- (A) 1905 AD 1905ء میں (B) 1906 AD 1906ء میں (C) 1907 AD 1907ء میں (D) 1908 AD 1908ء میں

10. The inventor of telecommunication is:

- (A) Edison ایڈیسن (B) Ohm اوہم (C) Marconi مارکونی (D) Faraday فیراڈے

11. Total internal reflection have angle of refraction:

- (A) 80° (B) 90° (C) 100° (D) 180°

12. Mass of Helium is:

- (A) 1 (B) 2 (C) 3 (D) 4

13. Used as standard equipment for airport security:

- (A) Alpha Ray Scanner الفا رے سکنر (B) Beta Ray Scanner بیٹا رے سکنر (C) X-ray Scanner ایکس رے سکنر (D) Gamm Ray scanner گیمما رے سکنر

14. Usually the Image we get from Ultrasound are _____ dimensional:

- (A) One یک (B) Two دو (C) Three تین (D) Four چار

15. Man landed on Moon in:

- (A) 1969 A.D 1969ء میں (B) 1979 A.D 1979ء میں (C) 1982 A.D 1982ء میں (D) 1983 A.D 1983ء میں

Roll No. _____ امیدوار خود پُر کریں

(For all sessions)

RP-10-19-19-II Group-II-گروپ-II

General Science (Essay Type)

جنرل سائنس (انشائیہ)

Marks: 60

وقت: 2:10 Hours

نمبر: 60

Section - I

2x18=36

حصہ اول

2- Write short answers of any six parts from the following. 2x6=12

- What is difference between work and energy?
- What are Nuclear fission and Nuclear fusion?
- Define the law of conservation of energy.
- Define the Biomass.
- What is meant by B.T.U?
- What is degradation of environment?
- Define Electric current and write its unit.
- What is Ohm's law? Write its mathematical form.
- Define resistance and write its unit.

3- Write short answers of any six parts from the following. 2x6=12

- Define Analogue meter.
- What is induction?
- Define voltmeter.
- Write the names of four input devices.
- What is hard disk?
- What is meant by word processing?
- What is the function of data management?
- What is internet?
- What is meant by Direct current?

4- Write short answers of any six parts from the following. 2x6=12

- Define isotopes.
- Differentiate between Alpha radiation and Beta radiation.
- Write two uses of C-T Scan.
- From where do the satellite get electrical power?
- How steel is made harder?
- What are synthetic fibres?
- What is meant by Hubble telescope?
- Differentiate between Meteorology and Climatology.
- Write two advantages of artificial satellites.

Section - II

Note: Answer any three questions from the following. 8x3=24

- Write four steps of conservation of energy.
- Write a note on thermal power and nuclear power.
- What is capacitor? Describe its construction and types.
- Write the uses of D.C and A.C current.
- Explain the central processing unit.
- Write a note on Email.
- Write a note on leather industry.
- Write a note on Pharmaceutical industry.
- Write the contribution of Pakistan Atomic Energy Commission in the field of agriculture and medicine.
- Write some advantages of Satellites.