Civil Services Preparatory School – CSPs
Final Mock
GENERAL SCIENCE & ABILITY

TIME ALLOWED:	**THREE HOURS**	**PART-I (MCQS)**	**MAXIMUM MARKS = 20**
PART-I(MCQS):	**MAXIMUM 30 MINUTES**	**PART-II**	**MAXIMUM MARKS = 80**

Part-I

You have uploaded question paper of csps academy

1. Deficiency of Vitamin D results in
    a. Night Blindness
    b. Rickets
    c. Scurvy
    d. Hair fall

2. The life span of Red Blood Cell is_____ days.
    a. 60
    b. 120
    c. 180
    d. 240

3. What is dry ice?
    a. Solid Oxygen
    b. Solid Carbon Dioxide
    c. Solid Hydrogen
    d. Solid Nitrogen

4. The densest planet of solar system is
    a. Sun
    b. Jupiter
    c. Mercury
    d. Earth

5. Which of the following devices is needed for converting alternating current into direct current
    a. Dynamo
    b. Rectifier
    c. Transformer
    d. Transducer

6. Kilowatt-hour is the unit of
    a. Energy
    b. Momentum
    c. Power
    d. Force

7. If father has blood group A and mother has blood group O, then which one of the following blood group may be found in
    a. B
    b. AB
    c. O
    d. B, AB or O

8. Which of the following is a non-conventional source of energy
    a. Coal
    b. Algae
    c. Biogas
    d. Petroleum

9. The best quality of coal with least ash content
    a. Lignite
    b. Anthracite
    c. Peat
    d. Bituminous Coal

10. Fathom is the unit of measurement of
   a. Sound
   b. Depth
   c. Energy
   d. Time

11. Which of the following Vitamin maintains normal clotting of blood.
   a. Vitamin A
   b. Vitamin C
   c. Vitamin D
   d. Vitamin K

12. One of the countries through which equator passes
   a. Kenya
   b. Malaysia
   c. Malta
   d. Pakistan

13. The entropy of the universe is
   a. Increasing
   b. Constant
   c. Decreasing
   d. None of these

14. A network that covers small geographic area or single buildings is called:
   a. WAN
   b. LAN
   c. MAN
   d. Gateway

15. The gland which maintains body temperature is the :
   a. Pituitary gland
   b. Thyroid gland
   c. Adrenals
   d. Hypothalamus

16. Sensitive layer of eye is:
   a. Choroids
   b. Sclerotic
   c. Retina
   d. Cornea

17. Man belongs to the family
   a. Felidae
   b. Hominidae
   c. Mammalia
   d. Primatacase

18. The structure of DNA was elaborated by Watson and Crick in:
   a. 1909
   b. 1923
   c. 1945
   d. 1953

19. German Silver is and alloy of
   a. Zn+Ni
   b. Cu+Zn
   c. Cu+Ni
   d. Cu+Sn

20. The root of a plant is
   a. Without cells
   b. Multi-cellular
   c. Unicellular
   d. None of these

PART-II
SECTION-I

Q. No. 2.

    (A). "If you continue deforestation, then you are putting your existence into suspicion."
Comment. (5)

    (B). Explain Earthquake and volcanoes. How volcanoes help in formation of Earth's
Crust. (5)

    (C). Extremely Severe Cyclonic Storm **Biparjoy** was a long lived, powerful tropical
cyclone that formed over the east-central Arabian Sea. How are cyclones produced and
also explain the most dangerous part of it. (5)

    (D). Comment, Green House Effect is a blessing. Also discuss Enhanced Green House
Effect and its relation with global warming. (5)

Q. No. 3.

    (A). The picture taken from Edwin Hubble telescope showed that objects were being red
shifted. Explain the statement in the context of Future of Universe. (5)

    (B). What is meant by the term double circulation? Briefly describe how the heart is
adapted to keep blood flowing in a double circulation. (5)

    (C). What is GPS? How does it work? (5)

    (D). What are Pesticides? Explain their different types; why persistent pesticides are
more lethal for mankind? (5)

Q. No. 4.

    (A). "Semiconductors are the Brains of Modern Electronics". Explain in detail what this
quotation means. (5)

    (B). Why Earth's atmosphere is divided in different layers. Enlist those layers and also
explain the activities allowed in respective layers. (5)

    (C). What are the advantages and limitations of renewable energy resources? Briefly
explain the prospects of non-conventional energy resources in Pakistan. (5)

    (D). Explain with examples the relationship between cells, tissues and organs. (5)

SECTION-II

Q. No. 5.

    (A). The Cost Price of an article is Rs. 6,000. The shopkeeper writes the market price of
the article 15% above the cost price. The sale price of that article is Rs. 4600. Find
percentage discount given to the customer. (5)

    (B). There is a rectangle whose breadth is thrice its length. If the length is 128 cm,
determine the cost of fencing the rectangle at a cost of 20 rupees per square meter. (5)

(C). Shehzad is standing $\sqrt{29}$ m away from a tree. The distance of his eyes from his feet is 2 m. given that the distance from his eyes to the top of the tree is 15m. find the height of the tree. (5)

(D). The variables x and y are connected by the equation $Y = 5 - X^2$. Some values of X and the corresponding Y are given in the table. (5)

X	−3	−2	−1	0	1	2	3
Y	−4	1	4	5	4	1	−4

a. Draw graph from the above information
b. Use your graph to find the value of Y when X = −2.5 and value of X when Y = 2.75

Q. No. 6.

(A). Asghar Ali died leaving assets worth Rs. 655275. Funeral expenses were Rs. 5275. He had to pay Rs. 50,000 as debt. Distribute the amount between his widow, one daughter and two sons according to the Islamic Law. (5)

(B). Find out the correct word from the given jumbled spellings. (5)

VSRLEO, AEHPSSR, MOAWEES, NESBIGNRE, DECOUNTAI

(C). What is polygon? Describe different types of regular polygon. (5)

(D). 100 crates of oranges imported from a country A are inspected. The number of rotten oranges in the crates is recorded. Draw Histogram of the recorded data given below.(5)

Rotten oranges	0	1	2	3	4	5	6	7	8	9
Number of crates	4	9	12	28	22	15	5	2	2	1

Q. No. 7.

(A). A, B, C, D, E and F are sitting around a round table. A is between E and F, E is opposite D, and C is not in either of the neighboring seats of E. Who is opposite to B?(5)

(B). What will come at the place of question mark "?" (5)

i. (1/9), (1/3), 1, ? , 9
ii. F2, ? , D8, C16, B32
iii. 7, 11, 19, 35, 67, ?
iv. 6, 13, 28, 59, ?, 249.
v. 9, 17, 33, 65, ?

(C). For his morning walk Aslam went 110m towards east from his house and then turned right to keep walking for 40m before turning right again. After continuing to walk for 50 more meters, he turned right again and kept walking for another 120m, before he sat down on a bench at the park. How far was the bench located from his house? (5)

(D). Ali's age is three times his son's age. Ten years ago, he was five times his son's age. Find their present ages. (5)