



## SAMPLE PAPER

Application ID: \_\_\_\_\_  
Session: \_\_\_\_\_

College/Dept: SCPS  
Date: \_\_\_\_\_

Paper Type: MCQs  
Total Marks: 100

Exam Type: Entry Test  
Time Allowed: 120 minutes

### **Instructions**

- Encircle the right choice in OMR sheet provided separately.
- Each question carries equal marks.
- DO NOT write on this sheet.

### **SECTION A: PHYSICS**

- 1 mile is equivalent to 1609 m so 55 mph is:
  - 15 m/s
  - 25 m/s
  - 66 m/s
  - 88 m/s
- The average speed of a moving object during a given interval of time is always:
  - The magnitude of its average velocity over the interval
  - The distance covered during the time interval divided by the time interval
  - One-half its speed at the end of the interval
  - Its acceleration multiplied by the time interval
- We say that the displacement of a particle is a vector quantity. Our best justification for this assertion is:
  - Displacement can be specified by a magnitude and a direction
  - Operating with displacements according to the rules for manipulating vectors leads to results in agreement with experiments
  - A displacement is obviously not a scalar
  - Displacement can be specified by three numbers

### **SECTION B: BIOLOGY**

- Viruses are recognized as particles with which one of the following components?
  - Lipid coat
  - Protein coat
  - Carbohydrate coat
  - Amino acid coat



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5. In which one of the following components of cell the new ribosomes are assembled?
- Nucleus
  - Endoplasmic reticulum
  - Cytoplasm
  - Nucleolus
6. In case of typical malarial attack, malarial patient presents which of the following symptoms:
- Very cold and chilly
  - Very warm
  - Sleepy
  - Normal

### SECTION C: CHEMISTRY

7. Substance that affects the rate of reaction but remains unaltered at the end of the reaction is called
- Catalyst
  - Acid
  - Base
  - None of the above
8. Reactions which proceed in the forward direction and go to completion are called
- Irreversible reaction
  - Equilibrium reaction
  - Reversible reaction
  - None of the above
9. Elements in the same vertical group of the periodic table have same
- Number of valence electrons
  - Atomic number
  - Atomic mass
  - Atomic volume



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### SECTION D: ENGLISH

Note: Choose the most appropriate antonym for the given words

#### 10. ENIGMA

- a. Mystery
- b. Postmortem
- c. Demise
- d. Understood

### ANALOGIES

Direction: Each question below consists of a related pair of words or phrases, followed by five lettered pairs of words or phrases, Select the lettered pair that best expresses a relationship similar to that expressed in the original pair.

#### 11. DEGREE: TEMPERATURE

- a. ounce: weight
- b. fathom: volume
- c. mass: energy
- d. time : length

### SECTION E: General Mathematics

12. A and B can do a job in 6 days. If A does the job alone he takes 10 days. What will be the time required by B to complete the job alone?

- a. 8
- b. 6
- c. 15
- d. 3

13. Which number will come next?

5, 7, 10, 12, 14, 24, 26, \_\_\_\_\_

- a. 52
- b. 28
- c. 30
- d. 48



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### SECTION F: CURRENT AFFAIRS/GENERAL KNOWLEDGE

14. Muneer Ahmed Qureshi (Munnu Bhai ) renowned columnist , poet and writer passed away in Lahore on :
- 19<sup>th</sup> Jan 2018
  - 5<sup>th</sup> Jan 2018
  - 15<sup>th</sup> Jan 2018
  - 10<sup>th</sup> Jan 2018
15. Pakistan Army launched Operation Zarb-e-Azb in which of the following area
- North Waziristan
  - Azad Kashmir
  - Sawat
  - Sindh

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