

Date of Examination



No of Questions	xx
No. of Pages	xx

GENERAL SIR JOHN KOTELAWALA DEFENCE UNIVERSITY
SELECTION TEST FOR THE ENROLLMENT OF DAY SCHOLARS – INTAKE 39
BSC IN MANAGEMENT AND TECHNICAL SCIENCES DEGREE
SUBJECT RELATED KNOWLEDGE
MODEL PAPER

Call up No:-.....

Marks:

General Instructions:

Select the most appropriate answer
Answer all questions

Duration:

1. What does STP stand for, with regards to Chemistry and Physics?
 - a) Standard Temperature and Placement
 - b) Standard Thermal Policy
 - c) Standard Tonnage and Placement
 - d) Standard Temperature and Pressure

2. A body of mass 0.25 kg moving with a velocity 12 m/s is stopped by applying a force of 0.6N. Calculate the time taken to stop the body.
 - a) 24S
 - b) 5S
 - c) 3S
 - d) 7S

3. A mole contains Avogadro's number of items. What is Avogadro's number?
 - a) 6.02×10^{23}
 - b) 6.02×10^{-23}
 - c) 3×10^8
 - d) 6023

4. Which of the following leads to the law of conservation of angular momentum?
 - a) Isotropy of Space
 - b) Homogeneity of Time
 - c) Nuclear Force
 - d) Gravity

5. Which of the following correctly state the main four functions of management?
 - a) Planning, Organizing, Leading, Controlling
 - b) Leading, Motivating, Directing, Managing
 - c) Finance, Marketing, Human Resources, Production
 - d) Recruitment, Selection, Training and Development, Promotion

6. Brass gets discolored in air because of the presence of which of the following gasses in air?
 - a) Oxygen
 - b) Nitrogen
 - c) Carbon dioxide
 - d) Hydrogen sulphide

7. In chemistry, “pH” is a scale used to specify the acidity or basicity of an aqueous solution. What does pH stand for?
 - a) Power of Hydrolysis
 - b) Powerful Hydraulics
 - c) Potential of Hydrogen
 - d) Purpose of Hydrogen

8. Albert Einstein was awarded Nobel Prize for his path-breaking research and formulation of the;
 - a) Theory of Relativity
 - b) Laws of Photoelectric Effect
 - c) Principle of Wave-Particle Duality
 - d) Theory of Critical Opalescence

9. What is known as the energy of mass in motion?
 - a) Mechanical energy
 - b) Gravitational energy
 - c) Kinetic energy
 - d) Potential energy

10. When an organization obtains a bank loan, it will be categorized as;
- a) Asset
 - b) Expense
 - c) Liability
 - d) None of the above

There will be 25 questions for the paper