

SCIENCE

- A number of forces acting on a body changes velocity of the body. The forces are :
(A) Parallel (B) Unbalanced
(C) Balanced (D) Inclined
- A boy of 50 kg mass will be attracted by earth with a force of :
(A) 50 N (B) 500 N (C) 5 N (D) 100 N
- Frictional force exists in which of the following cases____
(A) exists only for moving bodies
(B) exists only for bodies which are at rest
(C) exists for both moving and non-moving bodies
(D) none of these
- Rayon is prepared from chemical substances obtained from :
(A) Petroleum (B) Coal
(C) None (D) Cellulose Wood
- Ribosomes are made up of
(A) DNA & proteins (B) DNA alone
(C) RNA & DNA (D) RNA & proteins

MATHEMATICS

- What number should be added to $\frac{-5}{16}$ to get $\frac{7}{24}$?
(A) $\frac{-29}{48}$ (B) $\frac{25}{48}$ (C) $\frac{29}{48}$ (D) $\frac{35}{28}$
- $\sqrt{.0001}$ is :
(A) an integer (B) a rational
(C) an irrational (D) natural number
- Simplify $(2^{-1} \div 5^{-1})^2 \times (\frac{-5}{8})^{-1}$:
(A) -10 (B) 20 (C) $\frac{1}{20}$ (D) $\frac{-1}{20}$
- To make 432 a perfect square. It should be multiplied by :
(A) 2 (B) 3 (C) 4 (D) 5
- $\sqrt[3]{\frac{72.9}{0.4096}}$ is equal to
(A) 0.5625 (B) 5.625 (C) 182 (D) 13.6

MENTAL ABILITY

- Direction** : In each of these question, which character when placed at the sign of interrogation shall complete the matrix ?

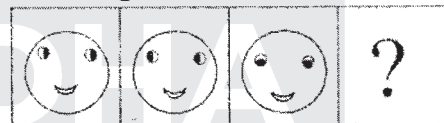
A	M	B	N
R	C	S	D
E	U	F	?

- (a) G (b) R (c) T (d) V

- Direction** : In each question, there is a series of letters which follow some definite order. Look at the letters and determine the order, then form the suggested responses find out one which gives the next two letters in the series in their correct order. Letter sequence ABCDEFGHIJKLMNOPQRSTUVWXYZ
Give the next number in this series:
220,200,100,80,40,20,?
(a) 20 (b) 10 (c) 30 (d) 40

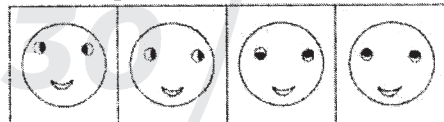
- Directions** : Figures A and B are related in a particular manner. Establish the same relationship between figures C and D by choosing a figure from amongst the five alternatives., which would replace the question mark in fig. (D)

Problem figure



- (A) (B) (C) (D)

Answer figure



- (a) (b) (c) (d)

- If A stands for +, B stands for - C stands for ×, then what is the value of (10 C 4) A (4 C 4) B 6?
(a) 60 (b) 56 (c) 50 (d) 46
- The average body weights of 4 men A, B, C and D is 50 kg.
Decide whether the data given in the statements I, II and III are sufficient to find the individual body weights of B and D
I. The weight of A is 65 kg and of C is 45 kg
II. The sum of the weights of B and D is 90 kg
III. D has the least weight compared to A, B and C
(1) Data in I and II are sufficient
(2) Data in II and III are sufficient
(3) Data in I, II and III are sufficient
(4) Data in I, II and III are not sufficient

ANSWER KEY

1	-	B
2	-	B
3	-	C
4	-	D
5	-	D

6	-	C
7	-	B
8	-	A
9	-	B
10	-	B

11	-	D
12	-	B
13	-	D
14	-	C
15	-	D

