



Instructions: Each question carries 4 marks and are only one correct answer type questions.

CLASS – IXth

SCIENCE

- Substances called lubricants which are used to
 - increase friction
 - decrease friction
 - increase or decrease friction
 - none of these
- Fluids are
 - gases
 - liquids
 - gases and liquids
 - none of these
- Cars and buses are able to move on the road because of _____ between the tyres and the road.
 - Walk
 - distance
 - acceleration
 - friction
- Ball rolling on the floor stops due to
 - Gravitational force
 - Magnetic force
 - Electrostatic force
 - Frictional force
- Distilled water is
 - Poor conductor
 - Good conductor
 - Both a and b
 - None
- Flow of electron is called
 - Electroplating
 - Electric current
 - Electrodes
 - Electrolyte
- Electroplating prevents
 - Current
 - Chemical effect
 - Rusting
 - All
- An electric lamp glows due to
 - Chemical effect
 - Magnetic effect
 - Heating effect
 - None
- The liquid material in the nucleus is
 - chromosomes
 - bacteria
 - nucleoplasm
 - nucleolus
- Intestine absorb the digested food materials. What type of epithelial cells are responsible for that?
 - Stratified squamous epithelium
 - Columnar epithelium
 - Spindle fibres
 - Cuboidal epithelium
- Antibiotics do not work against viral infection because
 - viruses live only inside host cells
 - viruses do not have metabolic pathways of their own
 - viruses are resistant to antibiotics
 - the protein coat of viruses act as a barrier to the antibiotics
- Which one is not a source of carbohydrate?
 - Rice
 - Millets
 - Sorghum
 - Gram

YOU ARE THE CREATOR OF YOUR OWN DESTINY. BEST OF LUCK! BE SAKSHAM!

MATHEMATICS

13. A 6-digit number is formed by repeating a 3-digit number for example 256256, 678678 etc. Any number of this form is divisible by.
(a) 7 only (b) 11 only
(c) 13 only (d) 1001
14. If 80% of x is 256, then value of x
(a) 350 (b) 300
(c) 320 (d) 400
15. The degree of polynomial $4x^2y^2 - 7xy^3 + 2x^4 - 3y^4 + x^3y$
(a) 2 (b) 5
(c) 4 (d) -8
16. The square of 1003 is
(a) 10,60,009 (b) 10,00,6009
(c) 10,06,009 (d) 10,00,0069

MENTAL ABILITY

17. If the day after tomorrow is Friday, what day was it three days before yesterday?
(a) Monday (b) Tuesday
(c) Wednesday (d) Thursday
18. Which number comes next in the sequence: 2, 6, 12, 20, _?
(a) 26 (b) 28
(c) 30 (d) 32
19. If a clock shows 3:15, what will be the angle between the hour and minute hands?
(a) 42.5 degrees (b) 47.5 degrees
(c) 52.5 degrees (d) 57.5 degrees
20. In a code language, APPLE is written as 82533. How will ORANGE be written in that language?
(a) 169573 (b) 156739
(c) 154693 (d) 167539

OUR PRIDE

JEE



MANAV
(296/300)
AIR 113
IIT-HYD



RAHUL
AIR 313
IIT-DELHI



PRANJAL
IIT-ROORKEE



VARDHA
IIT-PATNA



SAUMYA
IIT-BHU



OM
IIT-ROORKEE



SHREYANSH
IIT-JODHPUR



VIKAS GUPTA
ISM-DHANBAD

NEET



ARYA
(690/720)
AIR 345
IMS-BHU



ASTHA
(659/720)



ADITI
(647/720)



DHAIRYA
(606/720)



AVNI
(598/720)



BANSARI
(578/720)



SALONI
(562/720)



KHUSHI
(509/720)

12TH BOARD



ARYA
98.2%



OM
95%



DIVYA
94.78%



SHREYANSH
94.6%



RAHUL
94%



KHUSHI
93%



DHYEY
92%



TANISHKA
91.06%

10TH BOARD



NISHKA
97%



JYONEET
96.8%



NISHI
96%



VEDANT PATEL
95.33%



AMBER RAI
95%



VEDANT VYAS
94.8%



ARYAN PATEL
93.5%



YASH PATEL
90.33%