



Behind MVR Shopping Mall, Old Gajuwaka

DEFENCE BRIGADE

**NDA, NAVY SSR & AA, AIRFORCE GROUP X & Y, ARMY,
INDIAN COAST GUARD, PARAMILITARY FORCES**

BIOLOGY

SOME IMPORTANT FACTS OF HUMAN BODY PRACTICE SET

1. Total number of bones in Adult - 206
2. Total number of bones in newly born child - 300
3. Largest bone - Femur (Thigh Bone)
4. Smallest bone - Striff (Ear Bone)
5. Total number of muscles in Human body - 639
6. Largest organ of human body - Skin
7. Master Gland - Pituitary Gland
8. Normal Temperature of Man - 98.4°F / 36.9°C
9. BMR (Basic Metabolic Rate) - 1600 K.Cal / Day
10. Number of Cells in Human Body - 75 Trillion
11. Weight of Brain - 1350 / 1400 Grams
12. Voume of Blood - 5-6 Litres
13. Number of RBC - 4.5 - 5.0 million / Cubic mm
14. Life span of R.B.C - 120 days
15. Life span of W.B.C - 11 - 12 days
16. Number of chromosomes in human body (cell) - 46/23 pairs
17. Blood Clotting time - 2-5 minutes
18. Total Blood groups - 4 (A, B, AB, O)
19. Universal Donar Blood Group - "O Group"
20. Universal Recipient Blood Group - "AB"
21. Average body weight - 70 kgs
22. Breathing rate - 16-20 minutes
23. Blood Platelets count - 2,00,000 -4,00,000 cubic mm
24. Dental formula of adult - 2123/2123 = 32
25. Dental formula of child - 2120 / 2120 = 22 Milk Teeth
26. Permanent Teeth - 32

27. Primary baby Teeth	- 20
28. Number of Cranial Nerves	- 12 pairs
29. Number of Spinal Nerves	- 31 pairs
30. Largest Endocrine gland	- Thyroid
31. Largest White Blood Cells	- Monocyte
32. Smallest White Blood Cells	- Lymphocyte
33. Largest Cell	- Neuron (Nerve Cell)
34. Menstrual Cycle	- 28 days
35. Menopause Age	- 45 - 50 years
36. PH of Blood	- 7.35 to 7.45
37. PH of Bile	- 7.5
38. PH of Urine	- 6.0
39. PH of Gastric Juice	- 1.4
40. PH of Pancreatic Juice	- 8.5
41. Thinnest Skin	- Conjunctiva
42. Greatest regeneration power	- Liver
43. Minimum regeneration power	- in brain cells
44. Minimum distance for proven vision	- 25 cms
45. Pulse rate	- 72/minute
46. Normal sperm count	- 200- 300 / ejaculation
47. Blood Platelets	- 200000-400000 per cubic mm
48. ESR (erythrocyte sedimentation rate)	- 4- 10 min/h
49. Breathing Rate	- 16-20 minutes, 18 minutes
50. HB content in body	- 500 - 700 grams
51. Largest Muscle in the body	- Gluteus maximus

ANIMAL - HEART NUMBER OF CHAMBERS

1. Fishes	- 2 Chambers
2. Amphibians / Reptiles	- 3 Chambers
3. Crocodiles	- 4 Chambers
4. Birds / Mammals	- 4 Chambers
5. Earthworms	- 4 Chambers

ANIMAL - RESPIRATORY ORGANS

- | | | |
|----------------------------|---|--------------|
| 1. Fishes | - | Gills |
| 2. Frog | - | Skin |
| 3. Reptiles, aves, mammals | - | Lungs |
| 4. Earthworms | - | Skin |
| 5. Leech | - | Skin |
| 6. Insects | - | Trachea |
| 7. Unicellulars (Amoeba) | - | body surface |
| 8. Scorpion | - | Book Lungs |

RATE OF RESPIRATION IN DIFFERENT HUMAN BEINGS

- | | | |
|---------------------|---|---------------------|
| 1. New Born Child | - | 32 times per minute |
| 2. Child of 5 years | - | 26 times per minute |
| 3. Man of 25 years | - | 15 times per minute |
| 4. Man of 50 years | - | 18 times per minute |

LIST OF VACCINES

- | | | |
|----------|---|---|
| 1. B.C.G | - | Tuberculosis (TB) |
| 2. D.P.T | - | D - Diphtheria
P - Pertussis (whooping cough)
T - Tetanus |
| 3. M.M.R | - | M- Measles
M - Mumps
R - Rubella |

FATHER OF VARIOUS BRANCHES OF SCIENCE

- | <u>NAME</u> | | <u>BRANCH OF FATHER</u> |
|--------------------|---|--------------------------------|
| 1. M.S.Swaminadhan | - | Green Revolution |
| 2. V. Kurien | - | White Revolution |
| 3. Norman Borlaug | - | Green Revolution in the world |
| 4. Aristotle | - | Biology |
| 5. Theophrastus | - | Botony |
| 6. Edward Jenner | - | Immunology |
| 7. G.J.Mendel | - | Genetics |
| 8. Leeuwenhoek | - | Bacteriology |

- | | | |
|----------------------|---|-------------------|
| 9. T.H.Morgan | - | Modern Genetics |
| 10. William Harvey | - | Blood Circulation |
| 11. Karl landsteiner | - | Blood Groups |
| 12. Hippocrates | - | Medicine |
| 13. Carl Linnaeus | - | Modern Botany |

COLD BLOOD ANIMALS

Lizard, Snakes, Crocodiles, Frogs, Spiders, Scorpions, Dragonflies, Fishes

WARM BLOOD ANIMALS

Birds, Mammals

- | | | |
|---------------------------------|---|---------------------------------|
| 1. Largest Bird | - | Ostrich |
| 2. Smallest Bird | - | Humming Bird |
| 3. The only mammal that can fly | - | Bat |
| 4. Tallest Living Animal | - | Giraffe |
| 5. Fastest Land Animal | - | Cheetah |
| 6. Largest Land Animal | - | African Elephant |
| 7. Largest Sea Bird | - | Albatross |
| 8. Fastest Bird | - | Swift |
| 9. Largest Animal | - | Blue Whale |
| 10. Backward flying bird | - | Humming Bird |
| 11. Flightless Bird | - | Ostrich, Kiwi(new zealand), Emu |
| 12. Egg Laying Mammals | - | Echidna, Guinea |

Organ	Size	Function
1. Skin	10.8kg (21 Sqft)	Protect all inner body organs
2. Liver	1.4"	Store food
3. Brain	1.375kg	Control All body parts
4. Lungs	1.1 kg	Inhale "O ₂ " and Exhale "CO ₂ "
5. Heart	300 - 350 gms	Pump the Blood
6. Kidney	290 gms	Remove waste products & Filters Blood
7. Spleen	170 gms	Produce Red & White Blood Cells
8. Pancreas	98 gms	Produce Insulin and Glucagon
9. Thyroid Gland	35 gms	Produce Thyroxine