

A MODERN APPROACH TO
VERBAL & NON VERBAL

REASONING

This One



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A MODERN APPROACH TO VERBAL & NON VERBAL REASONING

(Fully Solved & Thoroughly Revised with explanatory notes
on LOGICAL DEDUCTION)

Common Admission Test (CAT); Management Aptitude Test (MAT); Xavier Admission Test (XAT); AIMS Test for Management Admission (ATMA); Joint Management Entrance Test (JMET); Graduate Management Aptitude Test (GMAT); FMS and other State Level Joint Entrance Tests.

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R.S. AGGARWAL

M.Sc., Ph.D.

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R.S. Aggarwal

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R.S. Aggarwal

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R.S. Aggarwal

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PREFACE TO THE THIRD EDITION

Hereby we proudly announce the presentation of this unique book fully revised in an extremely unique field of Reasoning. Now-a-days success in every single competitive examination (Bank Clerical, Bank P.O., LIC, GIC, M.B.A., Assistant Grade, Excise & Income Tax, IAS, IFS, A.A.O., Railways, Hotel Management and others) depends much on the candidate's performance in the Mental Ability and Reasoning Paper. So a much comprehensive and intelligent approach to it is the need of the day. This book serves the purpose.

It is unique in the following aspects:

- (i) Its coverage of all types of questions asked including those on LOGICAL DEDUCTION and all the study material available on these;
- (ii) Its huge collection of practisable questions (nearly 6000);
- (iii) Fully solved examples and explanatory answers.

Question Papers and references given on memory basis shall help to know the types of questions asked in a particular examination. The requirements of the candidates has been a major factor kept in mind during the compilation of this book and I am sure that it will make students the masters in this field.

I convey my gratitude to Shri Ravindra Kumar Gupta and Shri T.N. Goel for taking all pains and interest in the publication of the book. For hardworking with me I am thankful to Mr. Vikas Aggarwal.

For good type setting, I am thankful to Mr. Mukesh Maheshwari of Brilliant Computers, Merrut.

RS. AGGARWAL

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VERBAL REASONING

GENERAL MENTAL ABILITY

1. ANALOGY

'Analogy' means 'correspondence'.

In questions based on analogy, a particular relationship is given and another similar relationship has to be identified from the alternatives provided. Analogy tests are therefore meant to test a candidate's overall knowledge, power of reasoning and ability to think concisely and accurately. Below are given some common relationships which will help you detect most analogies better.

KINDS OF RELATIONSHIPS :

1. Instrument and Measurement :

Ex. Barometer : Pressure

Barometer is an instrument used to measure pressure.

Some more examples are given below :

- | | |
|--------------------------------------|-------------------------------|
| 1. Thermometer : Temperature | 7. Rain Gauge : Rain |
| 2. Anemometer : Wind vane | 8. Hygrometer : Humidity |
| 3. Odometer : Speed | 9. Ammeter : Current |
| 4. Scale : Length | 10. Screw Gauge : Thickness |
| 5. Balance : Mass | 11. Seismograph : Earthquakes |
| 6. Sphygmomanometer : Blood Pressure | 12. Taseometer : Strains |

2. Quantity and Unit :

Ex. Length : Metre

Metre is the unit of length.

Some more examples are given below :

- | | |
|---------------------|------------------------------|
| 1. Mass : Kilogram | 10. Time : Seconds |
| 2. Force : Newton | 11. Current : Ampere |
| 3. Energy : Joule | 12. Luminosity : Candela |
| 4. Resistance : Ohm | 13. Pressure : Pascal |
| 5. Volume : Litre | 14. Area : Hectare |
| 6. Angle : Radians | 15. Temperature : Degrees |
| 7. Power : Watt | 16. Conductivity : Mho |
| 8. Potential : Volt | 17. Magnetic field : Oersted |
| 9. Work : Joule | |

3. Individual and Group :

Ex. Sailors : Crew

A group of sailors is called a crew.

Some more examples are given below :

- | | |
|----------------------|-----------------------|
| 1. Cattle : Herd | 7. Sheep : Flock |
| 2. Flowers : Bouquet | 8. Riders : Cavalcade |
| 3. Grapes : Bunch | 9. Bees : Swarm |
| 4. Singer : Chorus | 10. Man : Crowd |

5. Artist : Troupe

6. Fish : Shoal

4. Animal and Young one :

Ex. Cow : Calf

Calf is the young one of cow.

Some more examples are given below :

1. Horse : Pony

2. Cat : Kitten

3. Sheep : Lamb

4. Butterfly : Caterpillar

5. Insect : Larva

5. Male and Female :

Ex. Horse : Mare

Mare is the female horse.

Some more examples are given below :

1. Dog : Bitch

2. Stag : Doe

3. Son : Daughter

4. Lion : Lioness

5. Sorcerer : Sorceress

6. Individual and Class :-

Ex. Lizard : Reptile

Lizard belongs to the class of reptiles.

Some more examples are given below :

1. Man : Mammal

2. Ostrich : Bird

3. Snake : Reptile

7. Individual and Dwelling Place :

Ex. Dog : Kennel

A dog lives in a kennel.

Some more examples are given below :

1. Bee : Apiary

2. Cattle : Shed

3. Lion : Den

4. Poultry : Farm

8. Study and Topic :

Ex. Ornithology : Birds

Ornithology is the study of birds.

Some more examples are given below :

1. Seismology : Earthquakes

2. Botany : Plants

3. Onomatology : Names

4. Ethnology : Human Races

5. Ontology : Reality

11. Soldiers : Army

12. Nomads : Horde

6. Dog : Puppy

7. Hen : Chicken

8. Lion : Cub

9. Duck : Duckling

10. Man : Child

6. Drone : Bee

7. Gentleman : Lady

8. Nephew : Niece

9. Tiger : Tigress

4. Butterfly : Insect

5. Whale : Mammal

6. Rat : Rodent

5. Monk : Monastery

6. Fish : Aquarium

7. Birds : Aviary

8. Horse : Stable

18. Entomology : Insects

19. Zoology : Animals

20. Occultism : Supernatural

21. Oology : Eggs

22. Virology : Viruses

6. Herpetology : Amphibians
7. Pathology : Diseases
8. Astrology : Future
9. Anthropology : Man
10. Palaeography : Writings
11. Ichthyology : Fishes
12. Semantics : Language
13. Nephrology : Kidney
14. Conchology : Shells
15. Haematology : Blood
16. Craniology : Skull
17. Mycology : Fungi

9. Worker and Tool :

Ex. Blacksmith : Anvil

Anvil is the tool used by a blacksmith.

Some more examples are given below :

1. Carpenter : Saw
2. Woodcutter : Axe
3. Tailor : Needle
4. Labourer : Spade
5. Soldier : Gun
6. Sculptor : Chisel
7. Mason : Plumbline

10. Tool and Action :

Ex. Needle : Sew

A needle is used for sewing.

Some more examples are given below :

1. Knife : Cut
2. Sword : Slaughter
3. Mattock : Dig
4. Filter : Purify
5. Steering : Drive
6. Pen : Write
7. Spanner : Grip
8. Spoon : Feed
9. Microscope : Magnify

11. Worker and Working Place :

Ex. Chef : Kitchen

A chef works in a kitchen.

Some more examples are given below :

1. Farmer : Field
2. Warrior : Battlefield
3. Engineer : Site
4. Sailor : Ship

23. Malacology : Molluscs
24. Palaeontology : Fossils
25. Pedology : Soil
26. Taxonomy : Classification
27. Orography : Mountains
28. Selenography : Moon
29. Eccrinology : Secretions
30. Histology : Tissues
31. Nidology : Nests
32. Cardiology : Heart
33. Phycology : Algae
34. Bryology : Bryophytes

8. Chef : Knife
9. Doctor : Stethoscope
10. Farmer : Plough
11. Author : Pen
12. Surgeon : Scalpel
13. Gardener : Harrow
14. Warrior : Sword

10. Gun : Shoot
11. Shovel : Scoop
12. Chisel : Carve
13. Oar : Row
14. Axe : Grind
15. Auger : Bore
16. Spade : Dig
17. Shield : Guard
18. Loudspeaker : Amplify

12. Teacher : School
13. Doctor : Hospital
14. Clerk : Office
15. Servant : House

- | | |
|----------------------------|-------------------------|
| 5. Pilot : Cockpit | 16. Driver : Cabin |
| 6. Beautician : Parlour | 17. Grocer : Shop |
| 7. Artist : Theatre | 18. Painter : Gallery |
| 8. Actor : Stage | 19. Waiter : Restaurant |
| 9. Mechanic : Garage | 20. Worker : Factory |
| 10. Lawyer : Court | 21. Umpire : Pitch |
| 11. Scientist : Laboratory | 22. Gambler : Casino |

12. Worker and Product :**Ex.** Mason : Wall

A mason builds a wall.

Some more examples are given below :

- | | |
|--------------------------|----------------------------|
| 1. Farmer : Crop | 10. Teacher : Education |
| 2. Hunter : Prey | 11. Chef : Food |
| 3. Carpenter : Furniture | 12. Judge : Justice |
| 4. Author : Book | 13. Choreographer : Ballet |
| 5. Goldsmith : Ornaments | 14. Producer : Film |
| 6. Butcher : Meat | 15. Architect : Design |
| 7. Cobbler : Shoes | 16. Tailor : Clothes |
| 8. Poet : Poem | 17. Dramatist : Play |
| 9. Editor : Newspaper | |

13. Product and Raw Material :**Ex.** Prism : Glass

Prism is made of glass.

Some more examples are given below :

- | | |
|------------------------|----------------------|
| 1. Butter : Milk | 11. Cloth : Fibre |
| 2. Wall : Brick | 12. Road : Asphalt |
| 3. Furniture : Wood | 13. Book : Paper |
| 4. Shoes : Leather | 14. Sack : Jute |
| 5. Pullover : Wool | 15. Omelette : Egg |
| 6. Metal : Ore | 16. Jewellery : Gold |
| 7. Rubber : Latex | 17. Linen : Flax |
| 8. Jaggery : Sugarcane | 18. Oil : Seed |
| 9. Wine : Grapes | 19. Paper : Pulp |
| 10. Fabric : Yarn | |

14. Part and Whole Relationship :**Ex.** Pen : Nib

Nib is a part of a pen.

Some more examples are given below :

- | | |
|--------------------|------------------------|
| 1. Pencil : Lead | 5. Room : Window |
| 2. House : Kitchen | 6. Aeroplane : Cockpit |
| 3. Fan : Blade | 7. Book : Chapter |
| 4. Class : Student | |