Railway Recruitment Board

RRB NTPC

Non Technical Popular Categories CBT Stage-I & II

REASONING

Sampoorna Chapter-Wise

Solved Papers

CONTENT

Trend Analysis of RRB NTPC Previous Year Exams Papers Through Pie Chart and Bar Graph

S.No.	Exam Paper	Exam Date/Year	Ques. No.
1.	NTPC Stage - II	2022	15×120 = 1800
2.	NTPC Stage - I (Graduate Level & Non-Graduate Level)	2019	133×100 = 13300
3.	NTPC Stage - II	2017	9×120 = 1080
4.	NTPC Stage - I (Graduate Level & Non-Graduate Level)	2016	64×100 = 6400
			Total = 22580

01.
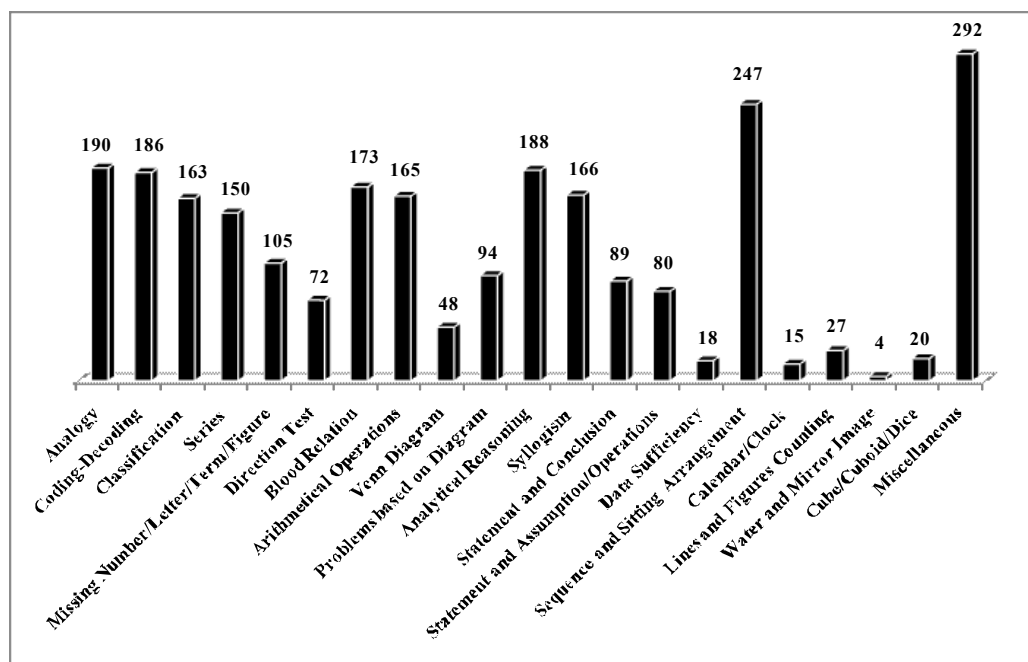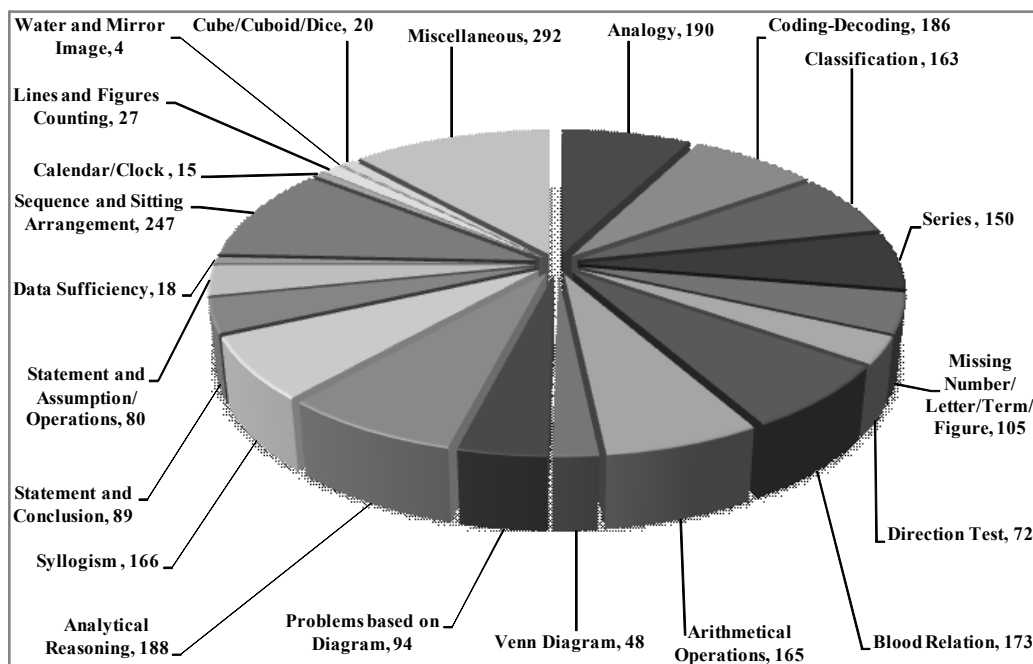
Analogy

Type – 1 : Analogy Based on Words

1. Select the option that is related to the third term in the same way as the second term is related to the first term.

Book : Reading :: Poetry : ?
(a) Rhyming   (b) Singing
(c) Recitation   (d) Teaching
RRB NTPC 19.01.2021 (Shift-I) Stage Ist

Ans. (c) : Just as, book is read. Same as, poetry is read as recitation.

2. Select the option that is related to the third term in the same way as the second term is related to the first term.

Pediatrics : Children : : Neurology : ?
(a) Veins   (b) Eyes
(c) Brain   (d) Heart
RRB NTPC 28.12.2020 (Shift-I) Stage Ist

Ans. (c) : Just as, pediatrics is the branch of medical science that deals with children. Similarly, neurology is the branch of medical science that deals with the human brain.

3. In the following question, select the related words from the given alternatives.

Writer : Pen :: Tailor : ?
(a) Axe   (b) Needle
(c) Saw   (d) Scalpel
RRB NTPC 28.12.2020 (Shift-I) Stage Ist

Ans. (b) : Just as, the writer writes with pen. Same as, tailor stitches clothes with the needle.

4. Select the option that is related to the third word in the same way as the second word is related to the first word.

Shirt : Apparel :: Necklace :?
(a) Chain   (b) Gold
(c) Jewellery   (d) Neck
RRB NTPC 05.01.2021 (Shift-I) Stage Ist

Ans. (c) : Just as, a Shirt is an Apparel. Similarly, a necklace is a 'Jewellery'.

5. Select the option that is related to the third word in the same way as the second word is related to the first word.

Bihar : Jharkhand :: Chhattisgarh :
(a) Maharashtra   (b) Ranchi
(c) Raipur   (d) Madhya Pradesh
RRB NTPC 05.01.2021 (Shift-I) Stage Ist

Ans. (d) : In the way the state of Jharkhand has been formed by dividing Bihar. Similarly, Chhattisgarh has been formed by dividing the state of Madhya Pradesh.

6. Select the option that is related to the third term in the same way as the second term is related to the first term?

Gravity : Discovery : : Telephone : ?
(a) Experiment   (b) Explore
(c) Construct   (d) Invention
RRB NTPC 07.01.2021 (Shift-I) Stage Ist

Ans. (d) : Just as, Newton discovered Gravity. Similarly, Telephone was invented by Graham Bell.

7. Select the option that is related to the third term in the same way as the second term is related to the first term?

Happiness : Sorrow : : Conflict : ?
(a) Competition   (b) Harmony
(c) War   (d) Anger
RRB NTPC 07.01.2021 (Shift-I) Stage Ist

Ans. (b) : Just as, opposite of Happiness is Sorrow, Similarly, opposite of Conflict is Harmony.

8. Select the option that is related to the third term in the same way as the second term is related to the first term.

Paper : Stapler :: Clothes : ?
(a) Detergent   (b) Dryer
(c) Hanger   (d) Washing machine
RRB NTPC 08.01.2021 (Shift-II) Stage Ist

Ans. (c) : The way of stapler is used to hang or punch the paper. Similarly, hanger are used to hang clothes.

9. Select the option that is related to the third term in the same way as the second term is related to the first term.

Hand : Thumb :: Pen : ?
(a) Finger   (b) Holder
(c) Paper   (d) Nib
RRB NTPC 08.01.2021 (Shift-II) Stage Ist

Ans. (d) : Just as, thumb is a part of hand. Similarly, nib is a part of pen.

10. Select the option that is related to the third term in the same way as the second term is related to the first term.

India : Tiger :: Nepal :?
(a) Lion   (b) Cow
(c) Rhinoceros   (d) Leopard
RRB NTPC 11.01.2021 (Shift-I) Stage Ist

Ans. (b) : Just as, Tiger is the National animal of India. Similarly, Cow is the National animal of Nepal.

11. Select the option that is related to the third term in the same way as the second term is related to the first term.

Patient : Doctor :: Student: ?

(a) Monitor   (b) School

(c) Teacher   (d) Lecture

Ans. (c) : Just as, patient goes to the doctor for diagnosis. Similarly a student goes to the teacher to acquire knowledge.

12. Select the option that is related to the third term in the same way as the second term is related to the first term.

Serene : Calm :: Fierce : ?

(a) Proud   (b) Cooler

(c) Silent   (d) Aggressive

Ans. (d) : Just as, the synonym of Serene is Calm. Similarly, the synonym of Fierce is Aggressive.

13. Select the option that is related to the third term in the same way as the second term is related to the first term.

Nature : Inherent : Nurture : ?

(a) Innate   (b) Foster

(c) Character   (d) Trait

Ans. (b) :

Adjective of Nature = Inherent and Adjective of Nurture = Foster

Hence in place of (?) will be Foster.

14. Select the option in which the words share the same relationship as that shared by the given pair of words. Writer : Pen

(a) Swimmer : Float   (b) Chef : Pan

(c) Dancer : Program   (d) Tailor : Dress

Ans. (b) : Just as, Writer uses pen to write, Similarly, Chef uses a pan to cook food.

15. Select the option that is related to the third term in the same way as the second term is related to the first term?

RK Narayan : Novel : : RK Laxman : ?

(a) Art   (b) Comics

(c) Advertising   (d) Cartoon

Ans. (d) : Just as, RK Narayan is related to the novel, in the same way RK Laxman is related to the cartoon.

16. Select the option in which the words share the same relationship as that shared by the given pair of words

Labrador : Dog ::

(a) Individual : Mankind   (b) Jazz : Music

(c) Leaf : Tree   (d) Mouse : Cat

Ans. (b) : Just as, Labrador is a type of hunting dog which is found in abundance in Canada. Similarly, 'Jazz' is a genre of music in the United States.

17. Select the option that is related to the third term in the same way as the second term is related to the first term

Virus : Disease :: Exercise: ?

(a) Cycling   (b) Walking

(c) Health   (d) Jogging

Ans. (c) : Just as, virus is cause of disease. Same as, exercise is cause of health.

18. Select the option that is related to the third term in the same way as the second term is related to the first term.

Himalayas : Ganga : : Satpura : ?

(a) Kaveri   (b) Narmada

(c) Godavari   (d) Yamuna

Ans. (b) : Just as, the Ganga originates from the Himalayas. Similarly, the Narmada originates from the Satpura hills.

19. Select the option that is related to the third term in the same way as the second term is related to the first term.

Assam : Tezpur :: Kerala: ?

(a) Jaipur   (b) Midnapore

(c) Thenzawl   (d) Kochi

Ans. (d) : Just as, Tezpur is a district in Assam. Same as, Kochi is also a district in Kerala.

20. Select the option that is related to the third term in the same way as the second term is related to the first term.

Daman and Diu : Daman :: Andaman and Nicobar : ?

(a) Nicobar   (b) Indira Point

(c) Garacharma   (d) Port Blair

Ans. (d) : Just as, Daman is the Capital of Daman and Diu. Similarly, the Capital of Andaman and Nicobar is Port Blair.

21. Select the option that is related to the third term in the same way as the second term is related to the first term.

Soldier: Battle Tank :: Farmer: ?

(a) Water   (b) Crop

(c) Land   (d) Tractor

Ans. (d) : Just as, Battle tank is used for the help of Soldiers in Battle. Same as, Tractor is used for the help of Farmer in Agriculture.

22. Select the option in which the words share the same relationship as that shared by the given pair of words

Rhino : Horn

(a) Elephant : Tusk   (b) Cow : Calf

(c) Dog : Bark   (d) Donkey : Bray

RRB NTPC 05.03.2021 (Shift-II) Stage Ist

Ans. (a) : Just as, the rhinoceros has horns. Similarly, the elephant has tusk.

23. Select the option that is related to the third term in the same way as the second term is related to the first term.

Music : Concert :: Acting :

(a) Song   (b) Gymnastics

(c) Dance   (d) Theater

RRB NTPC 15.03.2021 (Shift-I) Stage Ist

Ans. (d) : Just as, music is presented in the concert in the same way acting is presented in the theater.

24. Select the option that is related to the third term in the same way as the second term is related to the first term.

Bed : Pillow :: Sofa : ?

(a) Covers   (b) Sheets

(c) Upholstery   (d) Cushions

RRB NTPC 15.03.2021 (Shift-I) Stage Ist

Ans. (d) : Just as, pillow is typically placed on a bed in the same way cushions are lypically placed on a sofa.

25. Select the option that is related to the third term in the same way as the second term is related to the first term.

Sri Lanka : Island : : India.

(a) Asia   (b) Ocean

(c) Peninsula   (d) Plateau

RRB NTPC 01.04.2021 (Shift-I) Stage Ist

Ans. (c) : Just as, Sri Lanka is an Island country, in the same way India is a peninsula country.

26. Select the option that is related to the third term in the same way as the second term is related to the first term.

Fracture : Bone :: Sprain : ?

(a) Ankle   (b) Skin

(c) Ligament   (d) Tissue

RRB NTPC 08.04.2021 (Shift-I) Stage Ist

Ans. (c) : Just as, fracture occurs in bone. Same as, sprain occurs in ligament.

27. Select the option in which the words share the same relationship as that shared by the given pair of words.

Chef : Restaurant

(a) Physician : Patient

(b) Librarian : Catalogue

(c) Carpenter : Wood

(d) Druggist : Pharmacy

RRB NTPC 08.04.2021 (Shift-I) Stage Ist

Ans. (d) : Just as, a chef works in a restaurant. Similarly, a druggist works in a pharmacy.

28. Select the option that is related to the third term in the same way as the second term is related to the first term.

Mason : Builds :: Mechanic : ?

(a) Cars   (b) Tools

(c) Factory   (d) Repairs

RRB NTPC 23.07.2021 (Shift-II) Stage Ist

Ans. (d) : Just as, Mason builds home. Similarly, Mechanic repairs mechanical equipments.

29. Select the option that is related to the third term in the same way as the second term is related to the first term.

Dog : Guard : : Horse : ?

(a) Cart   (b) Saddle

(c) Stable   (d) Ride

RRB NTPC 28.12.2020 (Shift-II) Stage Ist

Ans. (d) : Just as, a dog is related to Guard (protect) in the same way a horse is related to ride.

30. Select the option that is related to the third term in the same way as the second term is related to the first term.

Almirah : Storage :: Chair : ?

(a) Keeping itmes   (b) Lying down

(c) Sitting   (d) Standing

RRB NTPC 09.01.2021 (Shift-II) Stage Ist

Ans. (c) : Just as, Almirah is used for storage of item. Similarly, chair is used for sitting.

31. Select the option that is related to the third term in the same way as the second term is related to the first term.

Import : Export :: Expenditure :?

(a) Credit   (b) Revenue

(c) Budget   (d) Economy

RRB NTPC 13.01.2021 (Shift-II) Stage Ist

Ans. (b) : Just as, imports is the exports. Similarly, expenditure is antonym of revenue.

32. Select the option that is related to the third term in the same way as the second term is related to the first term.

Ranthambore : Rajasthan :: Kaziranga :?

(a) Assam   (b) Nagaland

(c) Meghalaya   (d) Manipur

RRB NTPC 19.01.2021 (Shift-II) Stage Ist

Ans. (a) : Just as, Ranthambore is a national park of Rajasthan. Similarly, Kaziranga is a national park of Assam.

33. Select the option that is related to the third term in the same way as the second term is related to the first term.

Country : Coalition :: Worker : ?

(a) Labour   (b) Skill

(c) Union   (d) Global

RRB NTPC 01.03.2021 (Shift-I) Stage Ist

Ans. (c) : Just as, there is a coalition in the country. Similarly, there is a union among the workers.

34. Select the option that is related to the third term in the same way as the second term is related to the first term.

Author : Pen :: Surgeon : ?

(a) Cut   (b) Scalpel

(c) Stitch   (d) Operation

RRB NTPC 14.03.2021 (Shift-II) Stage Ist

Ans. (b) : Just as, a Author write with a pen. Similarly surgeons use a scalpel for operation.

35. Select the option in which the words share the same relationship as that shared by the given pair of words.

Cube : Square

(a) Rectangle : Rhombus (b) Cone : Hat

(c) Sphere : Circle   (d) Area : Perimeter

RRB NTPC 09.03.2021 (Shift-II) Stage Ist

Ans. (c) : Just as, Cube is three dimensional and Square is two-dimensional.

Same as, Sphere is three dimensional and Circle is two-dimensional .

36. Select the option that is related to the third term in the same way as the second term is related to the first term.

Bricks : Kiln :: Coins :

(a) Laboratory   (b) Mine

(c) Mint   (d) Factory

RRB NTPC 03.04.2021 (Shift-I) Stage Ist

Ans. (c) : Just as, bricks are made in a kiln. Similarly, coins are minted in the mint.

37. Select the option that is related to the third term in the same way as the second term is related to the first term.

Microscope : Telescope :: Magnifying Glass : ?

(a) Binoculars   (b) Kaleidoscope

(c) Camera   (d) Projector

RRB NTPC 31.07.2021 (Shift-II) Stage Ist

Ans. (a) : Just as, 'Microscope' is used to see a near object and 'Telescope' is used to see a distant object. Similarly, 'Magnifying glass' are used to see a near object and 'Binoculars' are used to see a distant object.

38. Select the option that is related to the third term in the same way as the second term is related to the first term.

Aircraft : Cabin :: Train : ?

(a) Platform   (b) Track

(c) Engine   (d) Coach

RRB NTPC 31.07.2021 (Shift-II) Stage Ist

Ans. (d) : Just as, 'aircraft' has a cabin to sit in. Similarly, a 'train' has a coach to sit on.

39. Select the option that is related to the third term in the same way as the second term is related to the first term.

Day : Week :: Month : ?

(a) Calendar   (b) Annual

(c) Weeks   (d) Year

RRB NTPC 22.01.2021 (Shift-I) Stage Ist

Ans. (d) : Just as, there are 7 days in a week. Similarly, there are 12 month in a year.

Hence, option (d) will be correct answer.

40. Select the option that is related to the third term in the same way as the second term is related to the first term.

Navy : Ship :: Army : ?

(a) Guns   (b) Tanks

(c) Soldier   (d) War

RRB NTPC 22.01.2021 (Shift-I) Stage Ist

Ans. (b) : Just as, a ship (water ship) is used in the Navy similarly a tank is used in the Army.

41. Select the word pair that shares a similar relationship as the word pair shown below.

Word : Book

(a) Song : Music   (b) Leaf : Tree

(c) Sweet : Sugar   (d) Sleep : Bed

RRB NTPC 22.01.2021 (Shift-II) Stage Ist

Ans. (b) : Just as, Book has many number of Words. Similarly, Tree has many number of leaves.

Hence, option (b) is right.

42. Select the option that is related to the third term in the same way as the second term is related to the first term.

Boxing : Round :: Badminton :?

(a) Point   (b) Tournament

(c) Match   (d) Game

RRB NTPC 29.01.2021 (Shift-II) Stage Ist

Ans. (d) : Just as, boxing is related to the round, in the same way badminton will be related to game.

43. Select the option that is related to the third term in the same way as the second term is related to the first term.

Law : Order :: Crime : ?

(a) War   (b) Punishment

(c) Peace   (d) Criminal

RRB NTPC 01.02.2021 (Shift-II) Stage Ist

Ans. (b) : Just as, order is related to law. Similarly, punishment is related to crime.

44. Select the option that is related to the third term in the same way as the second term is related to the first term.

Clock : Time :: Thermometer :?
(a) Temperature   (b) Fever
(c) Illness   (d) Weather

Ans. (a) : Just as, the time is displayed by clock in the same way temperature is displayed by thermometer.

45. Select the option that is related to the third term in the same way as the second term is related to the first term.

Tongue : Taste :: Lungs :?
(a) Respiration   (b) Perspiration
(c) Cognition   (d) Circulation

Ans. (a) : Just as, taste is taken by the tongue. In the same way the respiration takes place through the lungs.

46. Select the option in which the words share the same relationship as that shared by the given pair of words.

Photosynthesis = Sun Light
(a) Writing = Pen   (b) Book = Magazine
(c) Printer = Deskjet (d) Fan = Light

Ans. (a) : Just as, 'Sunlight' is needed for 'Photosynthesis'. Similarly, 'Pen' is needed for 'Writing'. Hence, the option (a) is correct.

47. Select the option in which the words do NOT share the same relationship as that shared by the rest.
(a) Parrot : Bird   (b) Carrot : Vegetable
(c) Car : Vehicle   (d) Fruit : Tree

Ans. (d) : Just as, parrot comes under Birds category, carrot comes under Vegetables category, car comes under vehicle category. Whereas, fruits does not comes under the tree category. So, it is different from other.

48. Select the option that is related to the third term in the same way as the second term is related to the first term.

Beauty : See :: Melody :?
(a) Touch   (b) Hear
(c) Sense   (d) Feel

Ans. (b) : Just as, 'Beauty' is related to 'See'. Similarly, 'Melody' is related to 'Hear'.

49. Select the option that is related to the third term in the same way as the second term is related to the first term.

Giraffe : Height :: Tiger :?
(a) Claws   (b) Whisker
(c) Stripe   (d) Hunter

Ans. (c) : Just as, Giraffes are known for their distinctive physical characteristic, which is their 'Height' similarly Tigers are known for their distinctive physical characteristic, which is their Stripes.

50. Select the option that is related to the third term in the same way as the second term is related to the first term.

Wallet : Money :: Pen drive : ?
(a) Storage   (b) Pocket
(c) Data   (d) Computer

Ans. (c) : Just as money is kept in a wallet, Similarly data is storage in Pen drive.

51. Select the option that is related to the third term in the same way as the second term is related to the first term.

Laboratory : Manual :: Library : ?
(a) Book - shelf   (b) Catalogue
(c) Librarian   (d) Books

Ans. (b) : A laboratory manual is a guide is a guide or reference book used in a laboratory, Similarly a library catalogue is a guide or reference book that lists and organizers the books in a library.

52. Select the pair from given alternative that are related like the words of the first pair.

Uncouth : Civilized : ………. : ………..
(a) Ruthless : Brave (b) Wild : Animal
(c) Dark : Light   (d) Illiterate : Book

Ans. (c) : Just as, the word uncouth is the opposite of civilized. Same as, the word dark is opposite of light.

53. Select the pair from given alternative that are related like the words of the first pair

Mountain : Height : ………. : ………..
(a) River : Water   (b) Cave : Depth
(c) Valley : Beauty   (d) Moon : Shadow

Ans. (b) : Just as, mountain is known for its height. Same as, cave is known for its depth.

54. Based on the analogy given, find the missing word from the given options?

Mother : Child : : Cloud : ?
(a) Rain   (b) Thunder
(c) Water   (d) Weather

Ans. (a) : Just as, the child is born from mother. Same as, rain originates from cloud.

55. Complete the analogy by choosing most appropriate option.

Bird : Wings :: Fish : ?
(a) Gills (b) Head
(c) Fins (d) Legs

Ans. (c) : The way a bird flies in the sky with wings. Similarly, a fish swims in the water with fins.

56. Complete the analogy by choosing most appropriate option.

Hard : Stone :: Soft : ?
(a) Feathers (b) Shine
(c) Moon (d) Sand

Ans. (a) : Just as, hard is related with stone. Same as, soft is related with feathers.

57. Complete the analogy by choosing most appropriate option.

Book : Author :: Furniture ?
(a) Machine (b) Woodcutter
(c) Wood (d) Carpenter

Ans. (d) : Just as, an author writes book. Same as, carpenter makes furniture.

58. Complete the analogy by choosing most appropriate option.

Tide ebb : Sea :: ?: River
(a) Dam (b) Hydroelectric
(c) Bank (d) Inflow

Ans. (d) : Just as 'Tide ebb' is a movement of water (out word) in the 'Sea'. Similarly 'Inflow' is a movement of water (in word) in a 'River'.

59. Complete the analogy by choosing most appropriate option.

Rice : Carbohydrate :: Sprouted grains : ?
(a) Water (b) Protein
(c) Heat (d) Fat

Ans. (b) : The way carbohydrate is found in rice, in the same way protein is found in sprouted grains.

60. Select the alternative that shows a similar relationship as the given pair.

Minimum : Maximum
(a) Worst : Best (b) Happy : Gay
(c) First : Second (d) Sad : Angry

Ans. (a) : Just as, minimum is the opposite of maximum. Same as, worst is the opposite of best.

61. Choose the pair which is related in the same way as the word in the first pair from the given choice.

India : Tiger :: America : ....
(a) Unicorn (b) Bald Eagle
(c) Turul (d) Druk

Ans. (b) : Just as, Tiger is the national animal of India. Same as, Bald Eagle is the national animal of America.

62. Choose the pair which is related in the same way as the word in the first pair from the given choice

India : Rupee :: South Africa :
(a) Dollar (b) Rand
(c) Pound (d) Franc

Ans. (b) : Just as, India's currency is Rupee. Same as, South Africa's currency is Rand.

63. Choose the pair which is related in the same way as the word in the first pair from the given choice.

Water : Sea :: Ice : ?
(a) Mountain (b) Glacier
(c) Hail (d) Peak

Ans. (b) : Just as, the sea is filled with water. Similarly, the glacier is covered with ice.

64. Choose the pair which is related in the same way as the word in the first pair from the given choice

Sparrow : Grain :: Silk worm : ?
(a) Maple (b) Pine
(c) Mulberry (d) Silk

Ans. (c) : Just as, Sparrow's diet is grain. Similarly, diet of silk worm is mulberry.

65. Select the right pair from available option:

Eye : Tears :: ……….. : ………….
(a) Sea : Water (b) Volcano : Lava
(c) Heart : Arteries (d) Hungry : Bread

Ans. (b) : The way tears come out of the eye. Same as, lava comes out of the volcano.

66. Select the right pair from available option:

Heat : Cold :: ………… : ……….
(a) Vast : Big (b) Thin : Thick
(c) Long : High (d) Male : Baby

Ans. (b) : Just as, heat is the opposite of cold. Same as, thin is the opposite of thick.

67. Complete the analogy

Grief : Happiness : Diffidence
(a) Ignorance (b) Sorrow
(c) Confidence (d) Funky

Ans. (c) : Just as, Grief is the opposite of happiness. Same as, diffidence is the opposite of confidence.

68. Select the option that is related to the third term in the same way as the second term is related to the first term.

Entomology : Insects :: Etymology : ?
(a) Plants (b) Words
(c) Books (d) Satellites

Ans. (b) : Just as, Insects are studied in Entomology, Similarly Words are studied in Etymology.
Hence, option (b) is the right option.

69. Based on the relationship between the first two words, find out the missing word.

FISHES : AQUARIUM : : BIRDS : ………..
(a) AVIARY (b) APIARY
(c) BYRE (d) DREY

Ans. (a) : The way fishes are kept in the aquarium just like, birds are kept in the aviary.

70. Based on the relationship between the first two words, find out the missing word.

The Colosseum : Italy :: Petra :……
(a) Mexico (b) Jordan
(c) Germany (d) Brazil

Ans. (b) : Just as, the Colosseum is situated in Italy. Similarly, Petra is situated in Jordan. Petra and the Colosseum, both are a historical place.

71. Based on the relationship between the first two words, find out the missing word.

Bharatanatyam : Tamil Nadu :: Kuchipudi : ………
(a) Arunachal Pradesh (b) Odisha
(c) Andhra Pradesh (d) Kerala

Ans. (c) : Just as, classical dance of Tamilnadu is Bharatanatyam similarly, classical dance of Andhra Pradesh is Kuchipudi.

72. Choose the pair which is related in the same way as the words in the first pair from the given choices.

Error : Blunder :: ………. : Excellent
(a) Acceptable (b) Excel
(c) Unsatisfactory (d) Splendid

Ans. (d) : The way error is synonyms of blunder. Same as, splendid is synonyms of excellent.

73. Choose the pair which is related in the same way as the words in the first pair from the given choices.

NEST : BIRDS :: ……... : LION
(a) DWELLING (b) BUSH
(c) FOREST (d) DEN

Ans. (d) : Just as, birds live in the nest just like, lion lives in the den.

74. Select the pair from given alternative that are related like the words of the first pair.

WHISKY : DISTILLERY : : BREAD : …….
(a) DAIRY (b) BREWERY
(c) BAKERY (d) BARISTA

Ans. (c) Just as, whisky is produced in distillery. Same as, bread is manufactured in bakery.

75. Find the correct option which has a similar relationship.

Produce : Waste : : Contrast : ?
(a) Correct (b) Match
(c) Contradict (d) Oppose

Ans. (b) : Just as, waste is opposite of produce. Similarly, contrast is the opposite of match.

76. Select the pair from given alternative that are related like the words of the first pair.

Gram: Grain: Pound:………
(a) Cereals (b) Weight
(c) Height (d) Commodities

Ans. (b) : Just as, gram is a type of grain. Same as, pound is a type of weight.

77. Based on the analogy given, find the missing word from the given options.

Foot : Toes : : Hand : ?
(a) Thumb (b) Palm
(c) Fingers (d) Nails

Ans. (c) : Just as, toe is related to foot, same as fingers is related to hand.

78. Select the pair from given alternative that are related like the words of the first pair.

Everest : Peak : : .... : ....
(a) Yamuna : River (b) Chilka : Lack
(c) Sparrow : Bird (d) Jupiter : Planet

Ans. (d) : Just as, Everest is the highest peak among the peaks. Same as, Jupiter is the largest planet in the planets.

79. Select the pair from given alternative that are related like the words of the first pair.

Moth : Insect : : Mouse : ………
(a) Rodent (b) Cat
(c) Mole (d) Rat

Ans. (a) : Just as, moth is a type of insect. Same as, mouse is type of rodent.

80. Select the pair from given alternative that are related like the words of the first pair

Night blindness : Sight : : ………. : Speech

(a) Talk   (b) Stutter

(c) Speak   (d) Lecture

RRB NTPC 19.04.2016 Shift : II

Ans. (b) : Just as, night blindness is related to sight disease. Same as, stutter is related to speech disease.

81. Select the pair from given alternative that are related like the words of the first pair.

Circumvent : Bypass : Comprehensible : ……

(a) Understandable   (b) Unclear

(c) Grasping   (d) Apprehended

RPF SI 16.01.2019 Shift : I

Ans. (a) : Just as, circumvent is synonym word of Bypass. Similarly, comprehensible is synonym word of understandable.

82. Select the pair from given alternative that are related like the words of the first pair

Avalanche : Ice : : Volcano : ……….

(a) Lava   (b) Sand

(c) Heat   (d) Earth

RRB NTPC 19.04.2016 Shift : II

Ans. (a) : Just as, ice is produced from avalanche. Same as, lava is produced from volcano.

83. Find the missing word of the second word pair based on the relationship established between the first two words.

Terrestrials : Ants :: Amphibians : ...

(a) Fish   (b) Dogs

(c) Frogs   (d) Snails

RRB NTPC 18.01.2017 Shift : III

Ans. (c) : Just as, ants is a terrestrial same as frogs is a amphibians.

84. Find the missing word of the second word pair based on the relationship established between the first two words.

USA: Dollar :: Turkey : ....

(a) Taka   (b) Kyat

(c) Lira   (d) Baht

RRB NTPC 18.01.2017 Shift : III

Ans. (c) : Just as, DOLLAR is the currency of USA. Same as, Lira is the currency of Turkey.

85. Choose the related pair from the given alternatives similar to the words given in the first pair.

Tennis : Court : : Boxing : ……...

(a) Stadium   (b) Ring

(c) Pitch   (d) Ground

RRB NTPC 02.04.2016 Shift : II

Ans. (b) : The way Tennis is played in court. Similarly, boxing is played in the ring.

86. Choose the related pair from the given alternatives similar to the words given in the first pair.

Cock : Hen : : Stag : ……….

(a) Vixen   (b) Hind

(c) Goose   (d) Heifer

RRB NTPC 03.04.2016 Shift : III

Ans. (b) : Just as, Hen is the feminine gender of "Cock". Same as, Hind is the feminine gender of "Stag".

87. Choose the related pair from the given alternatives similar to the words given in the first pair.

West Bengal : Kolkata : : Meghalaya : ...

(a) Shillong   (b) Dispur

(c) Kohima   (d) Trivendrum

RRB NTPC 03.04.2016 Shift : III

Ans. (a) : Just as, Kolkata is the capital of West Bengal. Same as, Shillong is the capital of Meghalaya.

88. If Artifacts : Museum then Books : …….

(a) School   (b) Book Shop

(c) Library   (d) Shelf

RRB NTPC 04.04.2016 Shift : II

Ans. (c) : Just as, artifacts are kept in the Museum. Same as, books are kept in the library.

89. Choose the related pair from the given alternatives similar to the words given in the first pair.

Contemporary : Historic : : .... : Ancient

(a) Past   (b) Classic

(c) Modern   (d) Future

RRB NTPC 05.04.2016 Shift : III

Ans. (c) : Just as, contemporary is the opposite word of historic. Same as, modern will be the opposite word of ancient.

90. If Voltmeter : Voltage, then Ammeter :……

(a) Power   (b) Current

(c) Energy   (d) Pressure

RRB NTPC 05.04.2016 Shift : II

Ans. (b) : Just as, Voltmeter measured Voltage. Same as, Ammeter measured current.

91. Choose the related pair from the given alternatives similar to the words given in the first pair.

Car : Petrol : : Locomotive : ………

(a) Engine   (b) Fire

(c) Coal   (d) Smoke

RRB NTPC 05.04.2016 Shift-I

Ans. (c) : Just as, petrol is used into the car. Similarly, coal is used in locomotive.

92. The first pair of the word has a definite relation. Get the word of the same relation to complete the other pair.
River : Bank : : Sea : ?
(a) Shore   (b) Creek
(c) Bay   (d) Sand

RRB NTPC 17.01.2017 Shift-II

Ans. (a) : Just as, coast of river is called 'bank'. Same as, coast of sea is called 'shore'

Type – 2 : Analogy Based on Words Given in the Sentences

93. Rafting is related to water as Skiing is related to
(a) Ice   (b) Surface
(c) Sceeze   (d) Sky

RRB NTPC 05.04.2021 (Shift-II) Stage Ist

Ans. (a) : Just as rafting is related to water, in the same way Skiing is related to Ice/Snow.

94. Heart is related to 'Cardiology' in the same way as kidney is related to_____
(a) Nuclear Medicine   (b) Nephrology
(c) Neurology   (d) Rheumatology

RRB NTPC 10.01.2021 (Shift-I) Stage Ist

Ans. (b) : Just as, the heart is studied under cardiology, same as the kidney is studied under Nephrology.

95. 'Gloves' is related to 'Hand' in the same way as 'Cap' is related to '........'.
(a) Neck   (b) Back
(c) Head   (d) Foot

RRB NTPC 12.01.2021 (Shift-I) Stage Ist

Ans. (c) : Just as, Gloves wears in Hands same as Cap wears on Head.

96. Neigh is related to 'Horse' in the same way as Bleat is related to.
(a) Dog   (b) Bear
(c) Ass   (d) Goat

RRB NTPC 29.12.2020 (Shift-II) Stage Ist

Ans. (d) : Just as, the sound of the horse is neigh in the same way the sound of the goat is bleat.

97. As India is related to 'New Delhi', China is related to ————.
(a) Pyongpyang   (b) Seoul
(c) Beijing   (d) Tokyo

RRB NTPC 29.12.2020 (Shift-II) Stage Ist

Ans. (c) : Just as, the capital of India is 'New Delhi', in the same way the capital of China is 'Beijing'.

98. 'Garden' is related to 'Gardener' in the same way as 'Museum' is related to '_____'.
(a) Museology   (b) Curator
(c) Artist   (d) Guide

RRB NTPC 30.12.2020 (Shift-I) Stage Ist

Ans. (b) : Just as, Garden is related to Gardener in same way Museum is related to Curator.

99. 'Manipur' is related to 'Imphal' in the same way as 'Nagaland' is related to '_____'
(a) Gangtok   (b) Aizawl
(c) Shilong   (d) Kohima

RRB NTPC 09.01.2021 (Shift-I) Stage Ist

Ans. (d) : Just as, 'Imphal' is the capital of Manipur. Same as, 'Kohima' is the capital of Nagaland.

100. 'Church' is related to 'Christians' in the same way 'Synagogue' is related to '_____'.
(a) Muslims   (b) Jews
(c) Parsis   (d) Jains

RRB NTPC 09.01.2021 (Shift-I) Stage Ist

Ans. (b) : Just as, Church is the place of worship of Christians. Similarly, "Synagogue" is the worship place of Jews.

101. 'Light' is related to 'Darkness' in the same way as 'Transparent' is related to'_____'.
(a) Glass   (b) Translucent
(c) Paper   (d) Opaque

RRB NTPC 17.01.2021 (Shift-II) Stage Ist

Ans. (d) : Just as, antonyms of 'light' is 'dark' similarly antonyms of 'transparent' is 'opaque'.

102. 'Cricket' is related to 'Bat', in the same way as 'Tennis' is related to '____'
(a) Glove   (b) Stick
(c) Wicket   (d) Racquet

RRB NTPC 04.02.2021 (Shift-II) Stage Ist

Ans. (d) : Just as, Bat is used to play cricket. Similarly, Racquet is used to play tennis.

103. Select a word from the following four options that is related to the word 'South Africa' in the same way as the word 'Persian' is related to the word 'Iran'.
(a) Country   (b) Portuguese
(c) Africa   (d) English

RRB NTPC 10.02.2021 (Shift-II) Stage Ist

Ans. (d) : Just as, Persian language is spoken in Iran. Similarly, English is spoken in South Africa.

104. 'Income' is related to which of the following options in the same way as 'Expenditure' is related to 'EMI' ?
(a) Salary   (b) Revenue
(c) Profit   (d) Tax

RRB NTPC 03.03.2021 (Shift-II) Stage Ist

Ans. (a) : Just as, Income is related with salary. Similarly, Expenditure is related with EMI.

105. Omelete is related to Egg in the same way as metal is related to:
(a) Ore   (b) Iron
(c) Gold   (d) Aluminium

RRB NTPC 03.03.2021 (Shift-II) Stage Ist

Ans. (a) : Just as, Omelete is obtained from eggs. Same as, Metal is obtained from Ore.

106. A saw is related to wood in the same way as a knife is related to -
 (a) Vegetables   (b) Steel
 (c) Clother   (d) Cutter
 RRB NTPC 05.04.2021 (Shift-II) Stage Ist

Ans. (a) : Just as, wood is cut with a saw, in the same way vegetables are cut with a knife.

107. 'Supply' is related to 'Demand' in the same way as 'Production' is related to '_____'.
 (a) Factory   (b) Inventory
 (c) Income   (d) Consumption
 RRB NTPC 18.01.2021 (Shift-II) Stage Ist

Ans. (d) : Just as, supply is related to demand. Same as, Production is related to consumption.

108. 'Cold' is related to 'Refrigerator' in the same way as 'Hot' is related to '____'.
 (a) Air conditioner   (b) Fire
 (c) Grinder   (d) Oven
 RRB NTPC 14.03.2021 (Shift-II) Stage Ist

Ans. (d) : Just as, a refrigerator is used to cool a thing, in the same way oven is used to heat something.

109. 'Minute' is related to 'Hour' in the same way as 'Inch' is related to '————'.
 (a) Measure   (b) Foot
 (c) Centigrade   (d) Metre
 RRB NTPC 20.01.12021 (Shift-II) Stage Ist

Ans. (b) : Just as, 'Minute' is related to 'Hour'. Similarly 'Inch' is related to 'Foot'.

110. Select the option that is related to the 'Paisa' in the same way as the 'centimetre' is related to the metre.
 (a) Capital   (b) Wealth
 (c) Rupee   (d) Coin
 RRB NTPC 22.01.2021 (Shift-I) Stage Ist

Ans. (c) : Just as, 100 cm makes 1 meter, in the same way 100 paise makes 1 rupee.
Hence, option (c) will be correct answer.

111. 'Painting' is related to 'Brush' in the same way as 'Letter' is related to '_____'.
 (a) Post-Office   (b) Writer
 (c) Ink   (d) Pen
 RRB NTPC 30.01.2021 (Shift-II) Stage Ist

Ans. (d) : Just as, by 'brush' we do 'painting' work. Similarly, by 'pen' we do letter 'writing' work.

112. 'Day' is related to 'Night' in the same way as 'Cold' is related to '_____'.
 (a) Fire   (b) Winter
 (c) Wet   (d) Hot
 RRB NTPC 09.02.2021 (Shift-II) Stage Ist

Ans. (d) : Just as, the antonym of 'Day' is 'Night'. Similarly, antonym of 'Cold' is 'Hot'.

113. 'Story' is related to 'Reader' in the same way as '_____' is related to 'Listener'.
 (a) Song   (b) Singer
 (c) Dance   (d) Lyrics
 RRB NTPC 17.02.2021 (Shift-II) Stage Ist

Ans. (a) : A 'Reader' is someone who consumes or experiences a 'Story' Similarly A 'Listener' is someone who consumes or experiences a 'Song'.

114. 'Waiter' is related to 'Restaurant' in the same way as 'Worker' is related to '_____'.
 (a) School   (b) Factory
 (c) House   (d) Shop
 RRB NTPC 17.02.2021 (Shift-II) Stage Ist

Ans. (b) : Just as, 'Waiter' is an employee who works in a restaurant. Similarly, 'Worker' is an employee who works in a 'Factory'.

115. Animal is related to Zoology in the same way as Disease is related to:
 (a) Cardiology   (b) Botany
 (c) Pathology   (d) Astrology
 RRB NTPC 27.02.2021 (Shift-II) Stage Ist

Ans. (c) : Just as, Animal is related to Zoology. Similarly, Disease is related to Pathology.

116. What is related to 'Furniture' in the same way as 'Building' is related to 'Mason'?
 (a) Carpenter   (b) Wood
 (c) Designer   (d) Contractor
 RRB NTPC 27.02.2021 (Shift-II) Stage Ist

Ans. (a) . Just as, Mason builds a Building. Similarly, Carpenter makes a Furniture.

117. Fish-herd is related to fish that colony belongs to.
 (a) Ants   (b) Cow
 (c) Home   (d) Life
 RRB NTPC 28.03.2016 Shift : III

Ans. (a) : Just as, herd is a group of Fish. Similarly, Colony is a group of to Ants.

118. Solar is related to sun in the same way lunar is related to.
 (a) Lunatic   (b) Planet
 (c) Moon   (d) Star
 RRB NTPC 30.03.2016 Shift : II

Ans. (c) : The way Solar is related to Sun in the same way Lunar is related to Moon.

119. If Quarantine : Isolation, then Freedom: _____
 (a) Separation   (b) Detention
 (c) Liberation   (d) Constitution
 RRB NTPC 30.03.2016 Shift : I

Ans. (c) : If quarantine means isolation, then freedom means liberation.

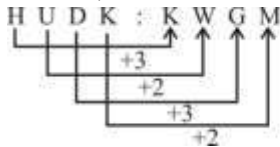# Type – 3 : Analogy Based on the English Alphabet

120. Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.
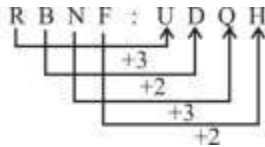
HUDK : KWGM :: RBNF : UDQH :: LPQV: ?

(a) OSTY   (b) NRSX

(c) NSSY   (d) ORTX

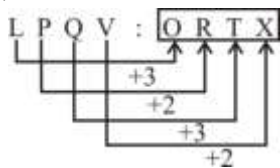RRB NTPC (Stage-II) –14/06/2022 (Shift-II)
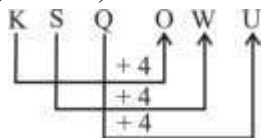
Ans. (d) : Just as,

And,

Same as,

121. Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.
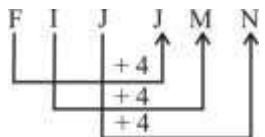
KSQ : OWU :: FIJ : JMN :: TPV : ?

(a) ZSY   (b) XRX

(c) XYZ   (d) XTZ
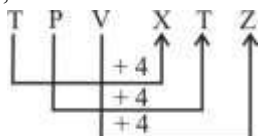
RRB NTPC (Stage-II) –16/06/2022 (Shift-II)

Ans. (d) : Just as,

And,

Same as,

Hence, ? = XTZ

122. Select the option that is related to the sixth letter-cluster in the same way as the first letter-cluster is related to the second letter-cluster and the third letter-cluster is related to the fourth letter-cluster.

OSU : LQT :: IKL : FIK :: ? : JTB

(a) MVC   (b) MWC

(c) NVD   (d) NUD

RRB NTPC (Stage-II) –16/06/2022 (Shift-II)

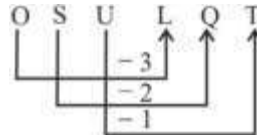**Ans. (a) :** Just as,

And,
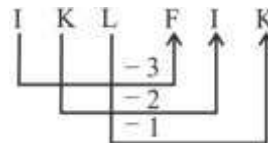
Same as,

Hence, ? = MVC

123. Select the option that is related to the sixth letter-cluster in the same way as the first letter-cluster is related to the second letter-cluster and the third letter-cluster is related to the fourth letter-cluster.

GCN : LHS :: OQU : TVZ :: ? : KRY

(a) GNT   (b) ENS

(c) DMQ   (d) FMT

RRB NTPC (Stage-II) –16/06/2022 (Shift-III)

Ans. (d) : Just as,

$$G \xrightarrow{+5} L$$
$$C \xrightarrow{+5} H$$
$$N \xrightarrow{+5} S$$

And,

$$O \xrightarrow{+5} T$$
$$Q \xrightarrow{+5} V$$
$$U \xrightarrow{+5} Z$$

Same as,

$$F \xrightarrow{+5} K$$
$$M \xrightarrow{+5} R$$
$$T \xrightarrow{+5} Y$$

Analogy   **15**   **YCT**
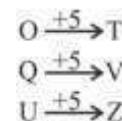
124. Select the option that is related to the fifth letter-cluster in the same way as the fourth letter-cluster is related to the third letter-cluster and second letter-cluster is related to the first letter-cluster.

FTPY : JVTA :: NVZG: RXDI :: MPRE: ?

(a) QSVH   (b) QRVG

(c) PSUH   (d) PRUG

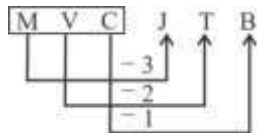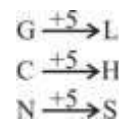**Ans. (b) :** Just as, And,

Same as,

125. Select the option that is related to the fifth letter- cluster in the same way as the fourth letter-cluster is related to the third letter-cluster and second letter-cluster is related to the first letter-cluster.

IGRS: NJWV :: BMYF : GPDI :: XQSB: ?

(a) CUXF   (b) BTWE

(c) BUWF   (d) CTXE

Ans. (d) : Just as,

$I \xrightarrow{+5} N$

$G \xrightarrow{+3} J$

$R \xrightarrow{+5} W$

$S \xrightarrow{+3} V$

And,

$B \xrightarrow{+5} G$

$M \xrightarrow{+3} P$

$Y \xrightarrow{+5} D$

$F \xrightarrow{+3} I$

Same as,

126. Select the option that is related to fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.

PJEB : SQHI :: MCQX : PJTE :: LRCT : ?

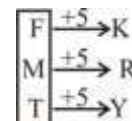(a) OWFY   (b) OYFA

(c) QWHY   (d) QYHA

Ans. (b) : Just as, And,

Same as,

127. Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.

WJOF : ZORK :: CPNY : FUQD :: XRLD : ?

(a) CWQI   (b) AWOI

(c) AUOG   (d) CUQG

Ans. (b) : Just as, and,

Same as,

128. Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.

EYXJ : IGBR :: CRFQ : GZJY :: ZIQM : ?

(a) DNUR   (b) ENVR

(c) DQUU   (d) EQVU

Ans. (c) : Just as, And,

$$E \xrightarrow{+4} I \qquad C \xrightarrow{+4} G$$
$$Y \xrightarrow{+8} G \qquad R \xrightarrow{+8} Z$$
$$X \xrightarrow{+4} B \qquad F \xrightarrow{+4} J$$
$$J \xrightarrow{+8} R \qquad Q \xrightarrow{+8} Y$$

Same as,

$$Z \xrightarrow{+4} D$$
$$I \xrightarrow{+8} Q$$
$$Q \xrightarrow{+4} U$$
$$M \xrightarrow{+8} U$$

129. Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.

SEVERAL:MZSDWDT::TRACKED:
EDLBBQU:: HEADING:?

(a) HMICBDJ (b) IDBCJMH
(c) JDBCIMH (d) HMJCBDI

Ans. (d) : Just as,

and,

Same as,

130. Select the option that is related to the third term in the same way as the second term is related to the first term.

BOWL : DMYJ :: PLATE : ?
(a) JRCGV (b) RJCRG
(c) NNYVC (d) RNCVG

Ans. (b) : Just as, Same as,

$$B \xrightarrow{+2} D \qquad P \xrightarrow{+2} R$$
$$O \xrightarrow{-2} M \qquad L \xrightarrow{-2} J$$
$$W \xrightarrow{+2} Y \qquad A \xrightarrow{+2} C$$
$$L \xrightarrow{-2} J \qquad T \xrightarrow{-2} R$$
$$\qquad\qquad E \xrightarrow{+2} G$$

Hence, ? = RJCRG

131. Select the option that is related to the third term in the same way as the second term is related to the first term :

DFHJ : EHKN :: OQSU : ?
(a) PSVY (b) PQUY
(c) PRVY (d) PRVX

Ans. (a) : Just as,

$$\begin{array}{cccc} D & F & H & J \\ +1\downarrow & +2\downarrow & +3\downarrow & +4\downarrow \\ E & H & K & N \end{array}$$

Same as,

$$\begin{array}{cccc} O & Q & S & U \\ +1\downarrow & +2\downarrow & +3\downarrow & +4\downarrow \\ P & S & V & Y \end{array}$$

132. Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.

RAM : PBO :: SPQ : ?
(a) QQR (b) QQT
(c) QPS (d) QQS

Ans. (d) : Just as, Same as,

$$\begin{array}{ccc} R & A & M \\ -2\downarrow & +1\downarrow & +2\downarrow \\ P & B & O \end{array} \qquad \begin{array}{ccc} S & P & Q \\ -2\downarrow & +1\downarrow & +2\downarrow \\ Q & Q & S \end{array}$$
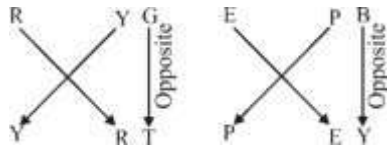
Therefore option (d) is correct.

133. RYG is related YRT by a certain logic. Following the same logic, EPB is related to PEY. Which of the given options follows the same logic?

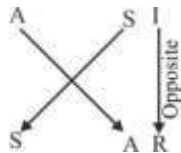(a) ASI-SAR (b) ASJ-SAP
(c) ASI-SAP (d) ASJ-SAR

Ans. (a) : Just as, and
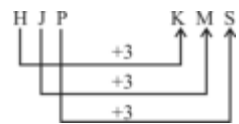

Similarly,

From option (a) -

∴ Option (a) follows the given logic.

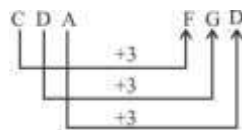**134.** HJP is related to 'KMS' in the same way as 'CDA' is related to _____
(a) EFC
(b) FHE
(c) GHE
(d) FGD

Ans. (d) : Just as,

Similarly,

Hence, option (d) is correct.

135. In a certain code language, ALIGATOR is written as LAROGITA. How will COMPUTER be written as in that language?
(a) PMOCRETU
(b) OCREPMTU
(c) OCPMTURE
(d) RETUPMOC

Ans. (b) : Just as,

```
A  L  I  G  A  T  O  R ──────▶ L  A  R  O  G  I  T  A
1  2  3  4  5  6  7  8         2  1  8  7  4  3  6  5
```
Same As,
```
C  O  M  P  U  T  E  R ──────▶ O  C  R  E  P  M  T  U
1  2  3  4  5  6  7  8         2  1  8  7  4  3  6  5
```

136. Select the option that is related to the third letter cluster in the same way as the second letter cluster is related to the first letter cluster.
RAMO : SCPS : : VXMJ : ?
(a) WQZN
(b) WQPN
(c) WPZN
(d) WZPN

Ans. (d) :

Just as, Same as,

R ──+1──▶ S   V ──+1──▶ W
A ──+2──▶ C   X ──+2──▶ Z
M ──+3──▶ P   M ──+3──▶ P
O ──+4──▶ S   J ──+4──▶ N

Hence, ? = WZPN

137. Select the option that is related to the third term in the same way as the second term is related to the first term.
BLCM : FHGI : : KHWS : ?
(a) ODAO
(b) OLAW
(c) ODSO
(d) OLSO

Ans. (a) : Just as,
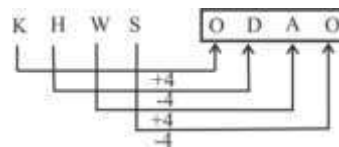
Same as,

138. Select the letter that can replace the question mark (?) in the following series.
C : X :: D : ?
(a) X
(b) W
(c) U
(d) V

Ans. (b) : Just as,

C ──Opposite letter──▶ X

Same as,

D ──Opposite letter──▶ W

⇒ ? = W

139. Select the option that is related to the third letter cluster in the same way as the second letter cluster is related to the first term.
KOPT : AEFJ :: QUVZ : ?
(a) NRSW
(b) PTUY
(c) GKLP
(d) OSTX

Ans. (c) : Just as,,
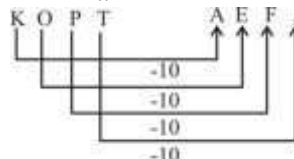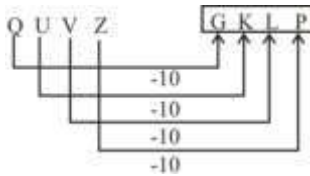
Similarly,

Hence ? = GKLP

140. Identify the letter-pair from among the given options that expresses a relationship most similar to that expressed in the following letter - pairs.

yb, ve, tg, ?

(a) jl   (b) pk

(c) ms   (d) ot

Ans. (b) : Just as,

y $\xrightarrow{\text{Opposite letter}}$ b

v $\xrightarrow{\text{Opposite letter}}$ e

t $\xrightarrow{\text{Opposite letter}}$ g
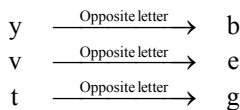
Same as from option (b).

p $\xrightarrow{\text{Oppostie letter}}$ k
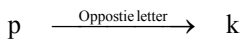
141. Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.

ACEG : PRTV :: SUWY : ?

(a) HFDB   (b) GIKM

(c) HJLN   (d) HKLM

Ans. (c) : Just as,
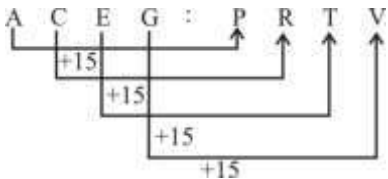
Similarly,
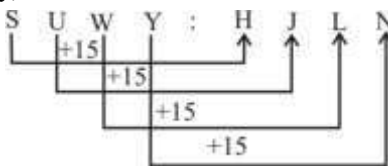
Hence, ? = HJLN

142. Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.

MNTK : HIOF :: RUNA : ?

(a) MPJV   (b) VZSF

(c) MPIV   (d) NPIU

Ans. (c) : Just as,   Same as,
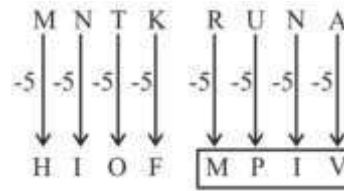
Hence,   ? = MPIV

143. Select the option in which the terms share the same relationship as that shared by the given pair of terms.

DMO: WNL

(a) CFH : XUT   (b) ZAT : EGD

(c) DQG : ELP   (d) GHI : TSR

Ans. (d) : Just as,,

D $\xrightarrow{\text{Opposite letter}}$ W

M $\xrightarrow{\text{Opposite letter}}$ N

O $\xrightarrow{\text{Opposite letter}}$ L

Similarly, from option (d)

G $\xrightarrow{\text{Opposite letter}}$ T

H $\xrightarrow{\text{Opposite letter}}$ S
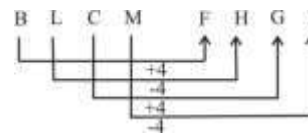
I $\xrightarrow{\text{Opposite letter}}$ R
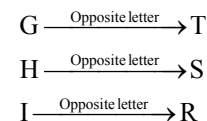
144. Select the option that is related to the third term in the same way as the second term is related to the first term.

FEAL : LEAF :: EAKT : ?

(a) ETAK   (b) KETA

(c) KATE   (d) TAKE

Ans. (d) :

Just as,,   Similarly
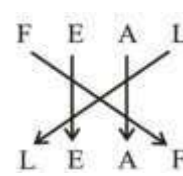
Hence **? = TAKE**
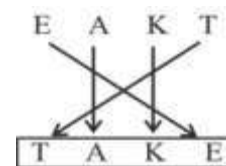
145. Select the letter that can replace the question mark (?) in given series.

B : H :: P : V :: N : ?

(a) T   (b) P

(c) M   (d) K

Ans. (a) : Given series is as follows−
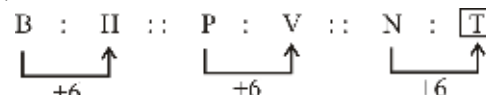
Hence, ? = T

146. Choose the pair from the given option that are related like the words of the first pair.

PALE : LEAP : : POSH : ………
(a) HSPO
(b) HSOP
(c) POHS
(d) SHOP

Ans. (d) : Just as,

$$\underset{1\ 2\ 3\ 4}{PALE} \to \underset{3\ 4\ 2\ 1}{LEAP}$$

Same as,

$$\underset{1\ 2\ 3\ 4}{POSH} \to \underset{3\ 4\ 2\ 1}{SHOP}$$

147. Choose the pair from the given option that are related like the words of the first pair.

ACE : FHJ : : OQS : ………
(a) TVX
(b) PRS
(c) TXV
(d) RPS

Ans. (a) : Just as, .Same as,

148. Complete the code.

CD : GA : : PQ : ?
(a) SM
(b) SN
(c) US
(d) TN

Ans. (d) : Just as, Similarly,

$$C \xrightarrow{+4} G \qquad P \xrightarrow{+4} \boxed{T}$$
$$D \xrightarrow{-3} A \qquad Q \xrightarrow{-3} \boxed{N}$$

Type -4 : Analogy Based on Numbers

149. Select the option in which the numbers share the same relationship as that shared by the given pair of numbers.

11 : 132
(a) 6 : 48
(b) 9 : 93
(c) 8 : 72
(d) 7 : 61

Ans. (c) :
Just as, Similarly, from option (c)

11 : 132   8 : 72

$11^2 + 11$ $8^2 + 8$

Hence, option (c) is correct.

150. Select the number from the given options that can replace the question mark (?) below:

If 243 (222) 317, then 548 (?) 621
(a) 210
(b) 219
(c) 211
(d) 209

Ans. (b) : Just as, 3 (317 – 243) = 222
Same as, 3 (621 – 548) = 219

151. Select the option that is related to the third number in the same way as the second number is related to the first number :

343 : 1331 : 729 : ?
(a) 2187
(b) 2197
(c) 2184
(d) 2211

Ans. (b) : Just as, Similarly,

152. Select the option that is related to the third number in the same way as the second number is related to the first number.

9 : 729 = 11 : ?
(a) 1024
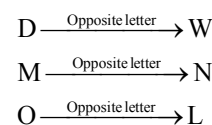(b) 112
(c) 1331
(d) 991

Ans. (c) : Just as,

$$(9)^3 \to 729$$

Same as,

$$(11)^3 \to 1331$$

153. Select the option that is related to the third number in the same way as the second number is related to the first number.

14 : 210 :: 16 : ?
(a) 272
(b) 240
(c) 212
(d) 256

Ans. (b) : As,

Same as,

154. Select the number from among the given options that is related to the third number in the same way as the second number is related to the first number.

3 : 28 :: 9 : ?
(a) 81
(b) 80
(c) 729
(d) 730

Ans. (d) : Just as,,

$$3 \ : \ 28$$
$$\downarrow$$
$$(3)^3 + 1 = 28$$

Similarly,

$$9 \ : \ ?$$
$$\downarrow$$
$$(9)^3 + 1 = 729 + 1$$
$$= 730$$

Therefore, $\boxed{? = 730}$

155. Select the number from among the options given that is related to the fifth number in the same way as the second and fourth numbers are related to the first and third numbers respectively

11 : 143 :: 13 : 221 :: 7 : ?
(a) 35　　　　　　　　(b) 56
(c) 57　　　　　　　　(d) 77

Ans. (d) : On multiplying into 11 to its next prime number –

$11 \times 13 = 143$

Similarly, on multiplying into 13 to its next prime number $= 13 \times 17 = 221$

Same as, on multiplying into 7 to its next prime number $= 7 \times 11 = 77$

11 : 143 :: 13 : 221 :: 7 : 77

Hence, ? = 77

156. Which of the given number triads has some relationship between them as does 6, 42, 336?
(a) 7 , 21, 106　　　　(b) 9, 6, 224
(c) 4, 28, 224　　　　(d) 2, 4, 642

Ans. (c) : Just as,
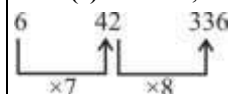
Similarly from option (c),
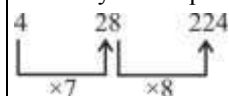
Hence, option (c) is correct.

157. Select the option in which the numbers are related in the same way as are the numbers in the given sets

(343, 36, 13), (64, 16, 8), (27, 25, 8)
(a) (28, 25, 8)　　　　(b) (81, 27, 12)
(c) (216, 64, 14)　　　(d) (63, 37 14)

Ans. (c) : In the given number sets-
Just as,
$(343, 36, 13) \rightarrow [(7)^3, (6)^2, 13] \rightarrow 7 + 6 = 13$
$(64, 16, 8) \rightarrow [(4)^3, (4)^2, 8] \rightarrow 4 + 4 = 8$
$(27, 25, 8) \rightarrow [(3)^3, (5)^2, 8] \rightarrow 3 + 5 = 8$
Similarly, in the set of numbers given in option (c)
$(216, 64, 14) \rightarrow [(6)^3, (8)^2, 14] \rightarrow 6 + 8 = 14$
Hence, option (c) is the corresponding set of numbers given in the question.

158. Select the option that is related to the third number in the same way as the second number is related to the first number.

2 : 32 :: 4 : ?
(a) 728　　　　　　　(b) 128
(c) 1536　　　　　　　(d) 1024

Ans. (d) :
Just as,　　　　　Same as,
　2 : 32　　　　　　　　4 : ?
$(2)^5 = 32$　　　$(4)^5 = \boxed{1024}$

159. Select the option that is related to the fifth number in the same way as the fourth number is related to the third number and in the same as the second number is related to the first number.

6 : 34 :: 8 : 62 :: 9 : ?
(a) 79　　　　　　　　(b) 64
(c) 81　　　　　　　　(d) 18

Ans. (a) : From question,

160. Select the option that is related to the third number in the same way as the second number is related to the first number.

4704 : 336 :: 2590 : ?
(a) 188　　　　　　　(b) 185
(c) 158　　　　　　　(d) 180

Ans. (b) : Just as, $\dfrac{4704}{336} = 14$

Similarly, $\dfrac{2590}{?} = 14$

$\dfrac{2590}{14} = ?$

Hence, ? = 185

161. Select the option in which the numbers are related in the same way as the numbers are in the given set.

4, 20, 28
(a) 6, 24, 48　　　　　(b) 8, 32, 64
(c) 2, 18, 24　　　　　(d) 12, 60, 84

Ans. (d) : Just as,

Similarly, from option (d)

162. Select the option that is related to the third number in the same way as the second number is related to the first number.

15 : 8 :: 25 : ?

(a) 10   (b) 16
(c) 12   (d) 14

RRB NTPC 14.03.2021 (Shift-II) Stage Ist

Ans. (a) : Just as,

$$15 : 8$$
$$15 \Rightarrow 15 \div 5 + 5 = 8$$

Similarly, $25 : ?$
$$25 \Rightarrow 25 \div 5 + 5 = 10$$

Therefore option (a) is correct.

163. Find the missing number to complete the given analogy.

2 : 7 :: 11 : ? :: 23 : 37

(a) 19   (b) 15
(c) 21   (d) 17

RRB NTPC 23.01.2021 (Shift-I) Stage Ist

Ans. (a) : Just as,

$2 : 7 = 2, \boxed{3, 5,} 7$

And, $23 : 37 = 23, \boxed{29, 31}, 37$

Similarly,

$11 : 19 = 11, \boxed{13, 17}, 19$

Hence, $\boxed{? = 19}$

Note-Here is two prime numbers is skipped between both prime numbers.

164. Select the number from among the given options that can replace the question mark (?) in the following analogy.

56 : 15 :: 76 : 21 :: 81 : ?

(a) 36   (b) 21
(c) 10   (d) 4

RRB NTPC 29.01.2021 (Shift-II) Stage Ist

Ans. (d) : Such as,

$$56 : 15 \Rightarrow \frac{5 \times 6}{2} = 15$$

And $76 : 21 \Rightarrow \frac{7 \times 6}{2} = 21$
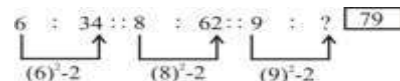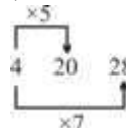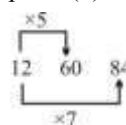
Same as, $81 : ? \Rightarrow \frac{8 \times 1}{2} = \boxed{4}$

165. Select the option that is related to the fifth number in the same way as the fourth number is related to the third number and the second number is related to the first number.

7 : 42 :: 9 : 72 :: 11 : ?

(a) 108   (b) 102
(c) 110   (d) 121

RRB NTPC 29.01.2021 (Shift-II) Stage Ist

Ans. (c) : Just as,,

$$7 : 42 \Rightarrow 7 \times (7-1) \Rightarrow 42$$

And $9 : 72 \Rightarrow 9 \times (9-1) \Rightarrow 72$

Same as,

$$11 : ? \Rightarrow 11 \times (11-1) = 110$$

Hence, in place of the question mark the number will be 110.

166. Select the number that can replace the question mark (?) in the following series.

18 : 324 : 5832 :: 36 : 1296 : ?

(a) 23328   (b) 2592
(c) 46656   (d) 5833

RRB NTPC 29.01.2021 (Shift-II) Stage Ist

Ans. (c) : Just as,

$18 \rightarrow 9 \times 2 \rightarrow (9)^2 \times (2)^2 = 324$
$\rightarrow (9)^3 \times (2)^3 = 5832$

Same as,

$36 \rightarrow 18 \times 2 \rightarrow (18)^2 \times (2)^2 = 1296$
$\rightarrow (18)^3 \times (2)^3 = 46656$

167. Select the number from among the given options that is related to the fifth number in the same way as the second and fourth numbers are related to the first and third numbers respectively.

15 : 90 :: 203 : 1015 :: 16 : x

(a) 96   (b) 112
(c) 120   (d) 128

RRB NTPC 14.03.2021 (Shift-I) Stage Ist

Ans. (b) : Just as,

$$15 = 1 + 5 = 6 \times 15 = 90$$

And, $203 = 2 + 0 + 3 = 5 \times 203 = 1015$

Similarly,

$$16 = 1 + 6 = 7 \times 16 = 112$$

Hence, 112 will on the place of x.

168. Select the option in which the numbers share the same relationship as that shared by the given group of numbers.

(15, 7, 110)

(a) (18, 5, 95)   (b) (44, 2, 95)
(c) (21, 4, 90)   (d) (17, 2, 44)

RRB NTPC 14.03.2021 (Shift-I) Stage Ist

Ans. (a) : Just as,

$$15 \times 7 = 105 + 5 = 110$$

Similarly, From option (a)-

$$18 \times 5 = 90 + 5 = 95$$

Hence, (18, 5, 95) will be required answer.

169. Select the option that is related to the third number in the same way as the second number is related to the first number.

36 : 216 :: 81 : ?

(a) 486   (b) 729

(c) 512   (d) 900

Ans. (b) : Just as,   Same as,

$$36 \quad : \quad 216 \qquad 81 \quad : \quad \boxed{729}$$
$$\downarrow \qquad \downarrow \qquad \downarrow \qquad \downarrow$$
$$6^2 \qquad 6^3 \qquad 9^2 \qquad 9^3$$

170. Select the option that is related to the third number in the same way as the second number is related to the first number.

18 : 45 :: 34 : ?

(a) 85   (b) 75

(c) 95   (d) 65

Ans. (a) : Just as,

$9 \times 2 = 18$

$9 \times 5 = 45$

Similarly,

$17 \times 2 = 34$

$17 \times 5 = 85$

Hence, ? = 85.

171. Find the missing value denoted by '?'

3 : 243 : : 5 : ?

(a) 625   (b) 465

(c) 3125   (d) 425

Ans. (c) : Just as,

$(3)^5 = 243$

Same as,

$(5)^5 = 3125$

172. Select the pair in which the numbers are similarly related as in the given pair:

9 : 27 : : …….. : ……..

(a) 5 : 125   (b) 8 : 64

(c) 15 : 135   (d) 81 : 729

Ans. (d) : Just as,

$$9 : 27$$
$$\downarrow \quad \downarrow$$
$$(3)^2 \ (3)^3$$

Same as,

(On taking option d)

$$81 : 729$$
$$\downarrow \quad \downarrow$$
$$(9)^2 \ (9)^3$$

So, $\boxed{? = 81 : 729}$

173. Choose the pair whose numbers are similarly related like the given pair :

19 : 361: : .... : ....

(a) 13 : 169   (b) 15 : 235

(c) 9 : 27   (d) 12: 154

Ans. (a) : Just as,

$(19)^2 = 361$

Same as,

$(13)^2 = 169$

174. Based on the analogy given, find the missing pair from the given options.

5 : 35 : : .... : ....

(a) 11 : 55   (b) 7 : 77

(c) 3 : 24   (d) 9 : 45

Ans. (b) : Just as,

5×7 (Prime number after 5) = 35

Same as,

7×11 (Prime number after 7) = $\boxed{77}$

175. Based on the given analogy, find the missing pair from the given options.

11 : 1210 :: ..... : ......

(a) 9 : 729   (b) 8 : 448

(c) 6 : 216   (d) 7 : 1029

Ans. (b) : Just as,

$11 : 1210 \Rightarrow 11 : 11 \times 11 \ (11 - 1)$

Same as, in option (b)-

$8 : 448 \Rightarrow 8 : 8 \times 8 \ (8 - 1)$

176. Based on the analogy given, find the missing pair from the given option.

8 : 96 : 7 : ?

(a) 56   (b) 63

(c) 72   (d) 84

Ans. (d) : Just as,

Similarly,

177. Based on the analogy given, find the missing number from the given option.

1 : 1 :: 25 : ....

(a) 225   (b) 125

(c) 625   (d) 26

Ans. (c) : Just as,

$1 : 1 = 1 : 1^2$

Similarly,

$25 : 25^2 = 25 : 625$

---

178. Based on the analogy given, find the missing pair from the given option.

32 : 13 :: ...... : ....

(a) 51 : 36   (b) 83 : 121

(c) 71 : 81   (d) 47 : 65

RRB NTPC 18.04.2016 Shift : I

Ans. (d) : Just as,

$32 : 13$

$3^2 + 2^2 = 13$

Similarly, from option (d)-

$47 : 65$

$4^2 + 7^2 = 16 + 49 = 65$

Type -5 : Miscellaneous

179. Select the option that is related to the fifth alphanumeric-cluster in the same way as the second alphanumeric-cluster is related to the first alphanumeric-cluster and the fourth alphanumeric-cluster is related to the third alphanumeric-cluster.

NT14 : QW7 :: CR24 : FU12 :: PV36 : ?

(a) TY8   (b) TZ17

(c) ST13   (d) SY18

RRB NTPC (Stage-II) –15/06/2022 (Shift-II)

Ans. (d) : Just as,   and,

$N \xrightarrow{+3} Q$ $C \xrightarrow{+3} F$

$T \xrightarrow{+3} W$ $R \xrightarrow{+3} U$

$14 \xrightarrow{\div 2} 7$ $24 \xrightarrow{\div 2} 12$

Same as,

$P \xrightarrow{+3} S$

$V \xrightarrow{+3} Y$

$36 \xrightarrow{\div 2} 18$

Hence, option (d) is correct.

180. Select the option that is related to the fifth alphanumeric-cluster in the same way as the second alphanumeric-cluster is related to the first alphanumeric-cluster and the fourth alphanumeric-cluster is related to the third alphanumeric-cluster.

HR12: MY36 :: EJ14 : JQ42 :: PB17 : ?

(a) UI51   (b) VE36

(c) VF34   (d) UF32

RRB NTPC (Stage-II) –16/06/2022 (Shift-III)

Ans. (a) : Just as,

$H \xrightarrow{+5} M$

$R \xrightarrow{+7} Y$

$12 \xrightarrow{\times 3} 36$

And,

$E \xrightarrow{+5} J$

$J \xrightarrow{+7} Q$

$14 \xrightarrow{\times 3} 42$

Same as,

$P \xrightarrow{+5} \boxed{U}$

$B \xrightarrow{+7} \boxed{I}$

$17 \xrightarrow{\times 3} \boxed{51}$

181. Select the option that is related to the fifth term in the same way as the second term is related to the first term and fourth term related to the third term.

SUGAR : 11 :: PILOT : 12 :: HOTEL : ?

(a) 15   (b) 12

(c) 10   (d) 19

RRB NTPC (Stage-II) –14/06/2022 (Shift-I)

Ans. (c) : Just as,

Note:- $\dfrac{\text{(Alphabetical order of letters)}}{6}$

$\begin{matrix} S & U & G & A & R : 11 \\ \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\ 19 & 21 & 7 & 1 & 18 \end{matrix}$ $= \dfrac{19+21+7+1+18}{6} = 11$

and,

$\begin{matrix} P & I & L & O & T : 12 \\ \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\ 16 & 9 & 12 & 15 & 20 \end{matrix}$ $= \dfrac{16+9+12+15+20}{6} = 12$

Same as,

$\begin{matrix} H & O & T & E & L : \boxed{10} \\ \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\ \end{matrix}$

$\dfrac{(8+15+20+5+12)}{6}$

Hence, ? = 10

182. Which of the following is same as foot, inch and yard?

(a) Gram   (b) Mile

(c) Quart   (d) Pound

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Ans. (b) : Mile is same as foot, inch and yard because these are units of length.

183. Select the option that is related to the third expression in the same way as the second expression is related to the first expression.
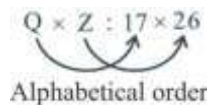
L × V : 12 × 22 :: Q × Z : ?

(a) 18 × 10   (b) 12 × 14

(c) 17 × 26   (d) 11 × 15

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Analogy   **24**   **YCT**

Ans. (c) : Just as,

$$L \times V : 12 \times 22$$

Alphabetical order

Same as,

$$Q \times Z : 17 \times 26$$

Alphabetical order

So, $? = 17 \times 26$

184. Select the option that is related to the third term in the same way as the second term is related to the first term.

WAITER : 242923 :: JUMPER : ?

(a) 312923   (b) 302923

(c) 252923   (d) 312623

Ans. (a) : Just as,

W A I T E R
↓ ↓ ↓ ↓ ↓ ↓
23+1 9+20 5+18

= 242923

Same as,

J U M P E R
↓ ↓ ↓ ↓ ↓ ↓
10+21 13+16 5+18
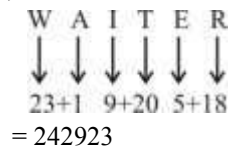
Therefore, ? = 312923

185. Find the missing term from options.

CAB : 312 :: ? : 1324

(a) BAD   (b) SAD

(c) MBD   (d) ADD

Ans. (c) Just as,

C A B
↓ ↓ ↓
3 1 2

Same as,   M B D
               ↓ ↓ ↓
               13 2 4

Hence, ? = MBD

So, option (c) is correct.

186. Complete the code?

B : 8 :: C : ?

(a) 27   (b) 100

(c) 24   (d) 11

Ans. (a) :

Just as,   B —Alphabetical Order→ $2^3 = 8$

Same as,   C —Alphabetical Order→ $3^3 = 27$

187. Select the missing word based on the given related pair-

 : Kennel :: : ?

(a) Nest   (b) Bird House

(c) Den   (d) Hut

Ans : **(c)** Where dog lives is called "Kennel", in the same way where lion lives is called 'Den'.

188. Following a certain logic, 5 is related to 28 in the same way as 7 is related to 52 and 9 is related to 84. Using the same logic, to which of the following is 11 related?

(a) 126   (b) 121

(c) 128   (d) 124

Ans. (d) : Just as,,

$$5^2 + 3 = 28$$
$$7^2 + 3 = 52$$

And $9^2 + 3 = 84$

Same as,

$11^2 + 3 = \boxed{124}$

189. Select the word from the options that is similar to the given set of words in a certain way.

Bokaro, Bhilai, Rourkela?

(a) Baroda   (b) Kanpur

(c) Lucknow   (d) Durgapur

Ans. (d) : Just as, Bokaro, Bhilai, Rourkela are steel plants. Similarly, Durgapur is a steel plant.

190. Select the option that is related to the third pattern in the same way as the second pattern is related to the first pattern.

Ans. (b) : From question,

02.
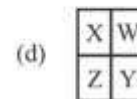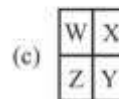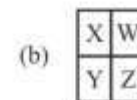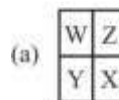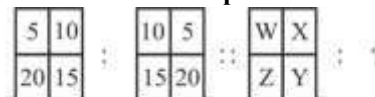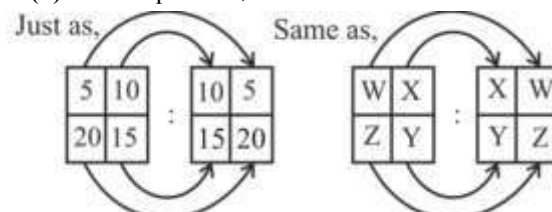
Coding-Decoding

Type -1 : Problems Based on Coding of Letters of the English Alphabet into Numbers/ Symbols

1. In a certain code language, if 'CELL' is coded as '32' and 'PHONE' is coded as '58', how will 'BOLD' be coded in that language?
  (a) 43　　　　　　　(b) 54
  (c) 32　　　　　　　(d) 33
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Ans. (d) : Just as,

C　E　L　L
↓　↓　↓　↓
3　5　12　12 ⟹ 3 + 5 + 12 + 12 = 32

And,

P　H　O　N　E
↓　↓　↓　↓　↓
16　8　15　14　5 ⟹ 16 + 8 + 15 + 14 + 5 = 58

Same as,

B　O　L　D
↓　↓　↓　↓
2　15　12　4 ⟹ 2 + 15 + 12 + 4 = 33

2. In a certain code language, TOTAL is written as 68 and PEN is written as 35. In the same language, what will OIL be written as?
  (a) 36　　　　　　　(b) 46
  (c) 56　　　　　　　(d) 66
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Ans. (a) : Just as,　　　　And,

T　O　T　A　L = 68　　P　E　N = 35
↓　↓　↓　↓　↓　　　　↓　↓　↓
20+15+20+1+12 = 68　　16+05+14 = 35

Same as,

O　I　L = 36
↓　↓　↓
15+09+12 = 36

Hence, OIL = 36

3. In a certain code language, CABLE is coded as 65@7# and PARKLET is coded as 85917#2. How will ELRAP be coded in that language?
  (a) #9587　　　　　　(b) 9#785
  (c) #7958　　　　　　(d) 7#958
  RRB NTPC (Stage-II) –17/06/2022 (Shift-III)

Ans. (c) : Just as,　　　　　　And,

C	A	B	L	E		P	A	R	K	L	E	T
↓	↓	↓	↓	↓		↓	↓	↓	↓	↓	↓	↓
6	5	@	7	#		8	5	9	1	7	#	2

Hence, ELRAP is coded as #7958.

4. In a certain code language, BUTTER is written as 2212020518. MINED is written as 1391454. How will OIL be written in that language?
  (a) 17456　　　　　　(b) 12345
 (c) 15912　　　　　　(d) 18632
  RRB NTPC (Stage-II) –17/06/2022 (Shift-III)

Ans. (c) : Just as,　　　　　And,

2	21	20	20	5	18		13	9	14	5	4
↑	↑	↑	↑	↑	↑		↑	↑	↑	↑	↑
B	U	T	T	E	R		M	I	N	E	D

Same as,

15	9	12
↑	↑	↑
O	I	L

5. In a certain code language, 'CHERRY' is coded as '6-16-10-36-36-50', and 'GRAPES' is coded as '14-36-2-32-10-38'. How will 'LITCHI' be coded in that language
  (a) 26-18-38-6-16-18　　(b) 26-18-40-6-16-18
  (c) 24-18-40-6-16-18　　(d) 24-16-40-6-18-16
  RRB NTPC (Stage-II) –15/06/2022 (Shift-II)

Ans. (c) : Just as,

3	8	5	18	18	25
C	H	E	R	R	Y
↓×2	↓×2	↓×2	↓×2	↓×2	↓×2
6	16	10	36	36	50

And,

7	18	1	16	5	19
G	R	A	P	E	S
↓×2	↓×2	↓×2	↓×2	↓×2	↓×2
14	36	2	32	10	38

Same as,

12	9	20	3	8	9
L	I	T	C	H	I
↓×2	↓×2	↓×2	↓×2	↓×2	↓×2
24	18	40	6	16	18

Hence, option (c) is correct.

6. 'TABLE' is related to '726251522' and 'FORMS' is related to '21129148', in the same way as 'CHAIR' is related to '_____'.
  (a) 241926189　　　　(b) 241926198
  (c) 241296189　　　　(d) 214926189
  RRB NTPC (Stage-II) –16/06/2022 (Shift-I)

Ans. (a) : Just as,

(Opposite alphabetical order)

```
T   A   B   L   E
↓   ↓   ↓   ↓   ↓
G   Z   Y   O   V
7  26  25  15  22
```

And,

(Opposite alphabetical order)

```
F   O   R   M   S
↓   ↓   ↓   ↓   ↓
U   L   I   N   H
21  12   9  14   8
```

Same as,

(Opposite alphabetical order)

```
C   H   A   I   R
↓   ↓   ↓   ↓   ↓
X   S   Z   R   I
24  19  26  18   9
```

7. In a certain code language. 'FRAK' is coded as '35' and 'MALT' is coded as '45'. How will 'TRIM' be coded in that language?
(a) 58   (b) 61
(c) 59   (d) 60

Ans. (c) : Just as,

F R A K = 35
6 + 18 + 1 + 11 = 36 – 1 = 35

And

M A L T = 45
13 + 1 + 12 + 20 = 46 – 1 = 45

Same as,

T R I M = ?
20 + 18 + 9 + 13 = 60 – 1 = 59

Note:- 1 has been subtracted by adding the place value of the given letters.

8. In a certain code language, PAINT is coded as 83527 and SCORE is coded as 49061. How would you code RECENT in the same language?
(a) 921235   (b) 190985
(c) 648497   (d) 619127

Ans. (d) : According to the question,

P → 8   S → 4
A → 3   C → 9
I → 5   O → 0
N → 2   ,   R → 6
T → 7   E → 1

On using the given code

R → 6
E → 1
C → 9
E → 1
N → 2
T → 7

Hence, RECENT = 619127

9. In a code language, if KARAN is written as 45, then how will ARUN be written as in that language?
(a) 54   (b) 56
(c) 41   (d) 42

Ans. (a) : Just as,   Same as,

K A R A N   A R U N
11+1+18+1+14 = 45   1+18+21+14 = 54

10. If A is equal to 1, M is equal to 13 and R is equal 18, how would you spell MISSION?
(a) 129191991314   (b) 149191991314
(c) 139191991514   (d) 139191991314

Ans. (c) : Given, A = 1, M = 13 and R = 18 then,

```
M    I    S    S    I    O    N
↓    ↓    ↓    ↓    ↓    ↓    ↓
13   9   19   19    9   15   14
```

11. In a code language, if LAST is written as 1234 and BOOK is written as 5667, how will TOAST be written as in that language?
(a) 45234   (b) 46234
(c) 46324   (d) 47234

Ans. (b) : From question,

```
L   A   S   T          B   O   O   K
↓   ↓   ↓   ↓   And    ↓   ↓   ↓   ↓
1   2   3   4          5   6   6   7
```

According to above code,

```
T   O   A   S   T
↓   ↓   ↓   ↓   ↓
4   6   2   3   4
```

12. In a code language, if FORWARD is written as 1234536 and WATER is written as 45783, how will RETARD be written as in that language?
(a) 387546   (b) 386536
(c) 387536   (d) 386546

Ans. (c) : According to the question,

```
F   O   R   W   A   R   D                W   A   T   E   R
↓   ↓   ↓   ↓   ↓   ↓   ↓       And      ↓   ↓   ↓   ↓   ↓
1   2   3   4   5   3   6                4   5   7   8   3
```

According to above code,

```
R   E   T   A   R   D
↓   ↓   ↓   ↓   ↓   ↓
3   8   7   5   3   6
```

Hence, RETARD = 387536

13. If LOVE is coded as 54, then what will be the code for TEAR?
(a) 43   (b) 45
(c) 46   (d) 44

Ans. (d) : Just as,

LOVE = 12 + 15 +22 +5 =54
(Sum of alphabetical order)
Similarly,
TEAR = 20+5+1+18 = $\boxed{44}$

14. If A = 26 and H = 19, then FASHION = ?
    (a) 2126819181217   (b) 2126819181215
    (c) 2126819181213   (d) 2126819181214

Ans. (c) : Just as, A $\xrightarrow{\text{Opposite}}$ Z = 26

    And H $\xrightarrow{\text{Opposite}}$ S = 19

    Same as,

    F $\xrightarrow{\text{Opposite}}$ U = 21
    A $\xrightarrow{\text{Opposite}}$ Z = 26
    S $\xrightarrow{\text{Opposite}}$ H = 8
    H $\xrightarrow{\text{Opposite}}$ S = 19
    I $\xrightarrow{\text{Opposite}}$ R = 18
    O $\xrightarrow{\text{Opposite}}$ L = 12
    N $\xrightarrow{\text{Opposite}}$ M = 13

Hence, FASHION will be written as 2126819181213.

15. In a certain code language, PENINSULA is written as 111. How will DICHOTOMY be written as in that language?
    (a) 222   (b) 121
    (c) 212   (d) 112

Ans. (d) : Just as,

P		E		N		I		N		S		U		L		A		
16	+	5	+	14	+	9	+	14	+	19	+	21	+	12	+	1	=	111

Similarly,

D		I		C		H		O		T		O		M		Y		
4	+	9	+	3	+	8	+	15	+	20	+	15	+	13	+	25	=	112

16. If Charger = 60 , then Topper = ?
    (a) 40   (b) 90
    (c) 26   (d) 52

Ans. (b) : Just as,
Charger $\rightarrow$ 3 + 8 + 1 + 18 + 7 + 5 + 18 = 60
Similarly,
Topper $\rightarrow$ 20 + 15 + 16 + 16 + 5 + 18 = 90

17. If J= 17 and N = 13, then JUNIOR = ?
    (a) 1751318129   (b) 1771318129
    (c) 1741318129   (d) 1761318129

Ans. (d) : Just as,

$\underset{10}{J} \Longleftrightarrow \underset{17}{Q}$ (opposite letter)

and,

$\underset{14}{N} \Longleftrightarrow \underset{13}{M}$ (opposite letter)

Similarly,

J $\rightleftharpoons$ Q (17)
U $\rightleftharpoons$ F (6)
N $\rightleftharpoons$ M (13)
I $\rightleftharpoons$ R (18)
O $\rightleftharpoons$ L (12)
R $\rightleftharpoons$ I (9)

Hence, JUNIOR = 1761318129

18. If ACE = 35, AGED = 91 then CARE = ?
    (a) 359   (b) 323
    (c) 288   (d) 358

Ans. (a) : Just as,

    A   C   E
    ↓   ↓   ↓
    $(1)^2$ + $(3)^2$ + $(5)^2$ = 35

And, A   G   E   D
        ↓   ↓   ↓   ↓
        $(1)^2$ + $(7)^2$ + $(5)^2$ + $(4)^2$ = 91

Same as,

    C   A   R   E
    ↓   ↓   ↓   ↓
    $(3)^2$ + $(1)^2$ + $(18)^2$ + $(5)^2$ = $\boxed{359}$

Hence, CARE = 359

19. In a certain code language, RAIN is written as 4678 and WET is written as 135, How will ENTER be written as in that languages?
    (a) 35384   (b) 38534
    (c) 38543   (d) 35834

Ans. (b) : From question,
    R $\rightarrow$ 4   And   W $\rightarrow$ 1
    A $\rightarrow$ 6   E $\rightarrow$ 3
    I $\rightarrow$ 7   T $\rightarrow$ 5
    N $\rightarrow$ 8
Using the code of above letters,
    E $\rightarrow$ 3
    N $\rightarrow$ 8
    T $\rightarrow$ 5
    E $\rightarrow$ 3
    R $\rightarrow$ 4
$\Rightarrow$ ENTER = 38534

20. In a certain code language, SCHOOL is coded as the number 72. What number will FLOWER be coded as in that language?
    (a) 54   (b) 79
    (c) 71   (d) 89

Ans. (b) : Just as,

SCHOOL $\Rightarrow$ 19+3+8+15+15+12 = 72

Same as,

FLOWER $\Rightarrow$ 6+12+15+23+5+18 = 79

---

21. In a certain code language, 'QZDH' is written as '51', 'PLMQ' is written as '54'. What is the code for 'DNRB' in that code language?
   (a) 37   (b) 33
   (c) 34   (d) 36

Ans. (c) : Just as,

QZDH $\Rightarrow$ (17 + 26 + 4 + 8) – 4 = 51

And,   PLMQ $\Rightarrow$ (16+12+13+17)–4 = 54

Similarly,

DNRB $\Rightarrow$ (4+14+18+2)–4 = 34

---

22. In a certain code language 'RQN' is coded as 53 'DLP' is coded as 36 how will 'SRF' be written in that code language?
   (a) 47   (b) 51
   (c) 53   (d) 49

Ans. (a) : Just as,

RQN=18+17+14=49

49+4=53

DLP=04+12+16=32

32+4=36

Similarly,

SRF=19+18+6=43

43+4= $\boxed{47}$

---

23. If in a certain code language A is written as 1 and AIR is written as 28 then how will AIRCRAFT be written in that language?
   (a) 76   (b) 78
   (c) 82   (d) 80

Ans. (a) : Just as,   And

24. In a certain coded language "ARCHITECT" has been written as 32051011227522. Then in same language "MANAGER" would be written as.
   (a) 1531537918   (b) 1311473718
   (c) 1531639720   (d) 1311963720

Ans. (c) : Just as,   Same as,

A $\xrightarrow{1+2}$ 3

R $\xrightarrow{18+2}$ 20   M $\xrightarrow{13+2}$ $\boxed{15}$

C $\xrightarrow{3+2}$ 5   A $\xrightarrow{1+2}$ $\boxed{3}$

H $\xrightarrow{8+2}$ 10   N $\xrightarrow{14+2}$ $\boxed{16}$

I $\xrightarrow{9+2}$ 11   A $\xrightarrow{1+2}$ $\boxed{3}$

T $\xrightarrow{20+2}$ 22   G $\xrightarrow{7+2}$ $\boxed{9}$

E $\xrightarrow{5+2}$ 7   E $\xrightarrow{5+2}$ $\boxed{7}$

C $\xrightarrow{3+2}$ 5   R $\xrightarrow{18+2}$ $\boxed{20}$

T $\xrightarrow{20+2}$ 22

---

25. If AMBER = 27 and BROWN = 14, then GREEN will equal to:
   (a) 28   (b) 36
   (c) 39   (d) 24

Ans. (b) : Just as,

A	M	B	E	R
↓	↓	↓	↓	↓

1 + 13 + 2 + 5 + 18 = 39 $\Rightarrow$ 3×9 = 27

And,

B	R	O	W	N
↓	↓	↓	↓	↓

2 + 18 + 15 + 23 + 14 = 72 $\Rightarrow$ 7×2 = 14

Similarly,

G	R	E	E	N
↓	↓	↓	↓	↓

7 + 18 + 5 + 5 + 14 = 49 $\Rightarrow$ 4×9 = 36

---

26. In a certain code language, ACCESS is written as 13351919. How will EXCELLENCE be coded as in that language?
   (a) 524351414355   (b) 53351414123435
   (c) 52435121251435   (d) 52345121414335

Ans. (c) : Just as,   Same as,

E → $\boxed{5}$

X → $\boxed{24}$

A → 1   C → $\boxed{3}$

C → 3   E → $\boxed{5}$

C → 3   L → $\boxed{12}$

E → 5   L → $\boxed{12}$

S → 19   E → $\boxed{5}$

S → 19   N → $\boxed{14}$

C → $\boxed{3}$

E → $\boxed{5}$

Hence, option (c) will be correct.

27. If A is equal to 1, S is equal to 19 and G is equal to 7, how would you spell 'MASSAGE'?
(a) 1311919175   (b) 1311919277
(c) 1311945355   (d) 1311945375

RRB NTPC 09.01.2021 (Shift-II) Stage Ist

Ans. (a) :

If A S G

English alphabet = 1 19 7 number

Then M A S S A G E
English alphabet number = 13 1 19 19 1 7 5

28. In a certain code language, HONEY is coded as 8-12-13-5-2. How will PATCH be coded in that code language?
(a) 16-1-20-3-18   (b) 11-1-20-3-8
(c) 11-1-7-3-8   (d) 16-1-7-3-8

RRB NTPC 18.01.2021 (Shift-II) Stage Ist

Ans. (c) :   H = 8 = H
O = 12 = L
N = 13 = M
E = 5 = E
Y = 2 = B

Logic = The alphabets from A to M are used in sequence, while the alphabets from N to Z are used in their opposite order.

∴   P = 11 = K
A = 1
T = 7 = G
C = 3
H = 8

Hence, PATCH = 11 – 1 – 7 – 3 – 8.

29. In a certain code language, 'JUNIOR' is written as '6', 'LABOURER' is written as '8'. What is the code for 'JOSEPHINE' in that code language?
(a) 9   (b) 11
(c) 10   (d) 12

RRB NTPC 21.01.2021 (Shift-II) Stage Ist

Ans. (a) : Just as,

123456
JUNIOR $\xrightarrow{\text{Total Number of letters}}$ 6

And,

1 23 4 5678
LABOURER $\xrightarrow{\text{Total Number of letters}}$ 8

Similarly,

123456789
JOSEPHINE $\xrightarrow{\text{Total Number of letters}}$ 9

Hence, JOSEPHINE is coded by 9.

30. In a certain code language, 'RAHUL' is written as '60'. How will 'ARUN' be written as in that language?
(a) 45   (b) 56
(c) 52   (d) 54

RRB NTPC 11.01.12021 (Shift-II) Stage Ist

Ans. (d) : Just as,

R   A   H   U   L
↓   ↓   ↓   ↓   ↓
18+ 1 + 8 + 21+12 = 60

Same as,

A   R   U   N
↓   ↓   ↓   ↓
1 +18+21+14 = 54

31. If BED is coded as 42516, then DIG will be coded as :
(a) 1625363   (b) 253681
(c) 168149   (d) 161894

RRB NTPC 23.01.2021 (Shift-I) Stage Ist

Ans. (c) :
Just as,   Same as,

B E D   D I G
↓ ↓ ↓   ↓ ↓ ↓
2^2 5^2 4^2 = 42516 4^2 9^2 7^2 = 168149

32. In a certain code language, GOLDEN CIRCLE is written as 715124514 39183125. How will ENGLAND be written as in that language?
(a) 5147112114   (b) 5174121144
(c) 5147121144   (d) 5174111114

RRB NTPC 27.01.2021 (Shift-II) Stage Ist

Ans. (c) : Given,

G O L D E N   C I R C L E
↓ ↓ ↓ ↓ ↓ ↓   ↓ ↓ ↓ ↓ ↓ ↓
7 15 12 4 5 14   3 9 18 3 12 5

From the above given code,

E N G L A N D
↓ ↓ ↓ ↓ ↓ ↓ ↓
5 14 7 12 1 14 4

Hence,   ENGLAND = 5147121144

33. In a certain code language 'NATION' is written as '72' and 'NATURE' is written as 78. How will 'PACKED' be written as in that code language?
(a) 41   (b) 45
(c) 39   (d) 43

RRB NTPC 12.03.2021 (Shift-I) Stage Ist

Ans. (c) : Just as,

N A T I O N
↓ ↓ ↓ ↓ ↓ ↓
14 1 20 9 15 14 – 73-1-72

And,

N A T U R E
↓ ↓ ↓ ↓ ↓ ↓
14 1 20 21 18 5 – 79-1-78

Same as,

P A C K E D
↓ ↓ ↓ ↓ ↓ ↓
16 1 3 11 5 4 – 40-1=39