Competitive REASONING

ALPHABET

(III) RELATIVE DISTANCE BETWEEN PAIRS OF LETTERS

In this type of questions you are required to ascertain the relative positions of letters of English alphabet and the relative distance between two letters in term of number of letters present in between the two letters in the keyword as well as in the English alphabet. Thus, you are required to find out such pairs of letters in the given word which do have as many letters between them in the word as in the alphabet.

Now consider the following examples :

1. How many such pairs of letters are there in the word CHRONICLE each of which has as many letters between them in the word as in the English alphabet ?
   (1) None   (2) One
   (3) Two   (4) Three
   (5) More than three

   [Indian Bank PO Exam, 2010]

Answer : (4)
```
    3   8   18  15  14  9   3   12  5
    C   H   R   O   N   I   C   L   E
```

2. How many such pairs of letters are there in the word PRATICLE each of which has as many letters between them in the word as in the English alphabet ?
   (1) None   (2) One
   (3) Two   (4) Three
   (5) More than three

Answer : (3)
```
    16  1   18  20  9   3   12  5
    P   A   R   T   I   C   L   E
```

   [Oriental Bank of Commerce Clerk Exam, 2010]

3. How many such pairs of letters are there in the word ENABLING, each of which has as many letters between them in the word as in the English alphabet ?
   (1) None   (2) One
   (3) Two   (4) Three
   (5) More than three

   [Haryana Gramin Bank Officer Exam, 2010]

Answer : (5)
```
    5   14  1   2   12  9   14  7
    E   N   A   B   L   I   N   G
```

4. How many such pairs of letters are there in the word OVERWHELM each of which has as many letters between them in the word as in the English alphabet ?

---

   (1) None   (2) One
   (3) Two   (4) Three
   (5) More than three

   [SBI Clerk Exam, 2010]

Answer : (5)
```
    15  22  5   18  23  8   5   12  13
    O   V   E   R   W   H   E   L   M
```

5. How many such pairs of letters are there in the word SHOULDER each of which has as many letters between them in the word as in the English alphabet ?
   (1) None   (2) One
   (3) Two   (4) Three
   (5) More than three

   [Gurgaon Gramin Bank Clerk Exam, 2010]

Answer : (3)
```
    19  8   15  21  12  4   5   18
    S   H   O   U   L   D   E   R
```

6. How many such pairs of letters are there in the word HOARDINGS each of which has as many letters between them in the word as in the English alphabet ?
   (1) None   (2) One
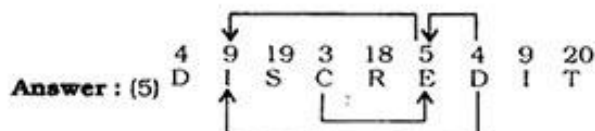   (3) Two   (4) Three
   (5) More than three

   [Gurgaon Gramin Bank Officer Exam, 2010]

Answer : (4)
```
    8   15  1   18  4   9   14  7   19
    H   O   A   R   D   I   N   G   S
```

7. How many such pairs of letters are there in the word ORGANISED each of which has as many letters between them in the word as in the English alphabet ?
   (1) None   (2) One
   (3) Two   (4) Three
   (5) More than three

   [Punjab National Bank Clerk Exam, 2010]

Answer : (3)
```
    15  18  7   1   14  9   19  5   4
    O   R   G   A   N   I   S   E   D
```

8. How many such pairs of letters are there in the word DISCREDIT each of which has as many letters between them in the word as in the English alphabet ?
   (1) None   (2) One
   (3) Two   (4) Three
   (5) More than three

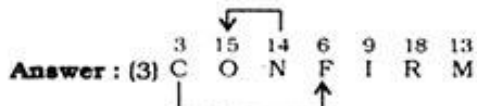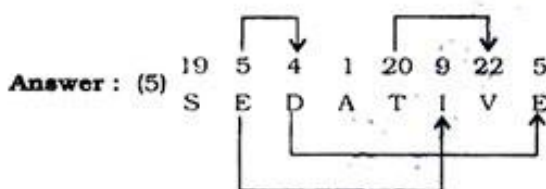   [New India Assurance AO Exam, 2009]

Answer : (5)
```
   4  9  19 3  18 5  4  9  20
   D  I  S  C  R  E  D  I  T
```

9. How many such pairs of letters are there in the word CONFIRM each of which has as many letters between them in the word as in the English alphabet ?
(1) None   (2) One
(3) Two   (4) Three
(5) More than three

Answer : (3)
```
   3  15 14 6  9  18 13
   C  O  N  F  I  R  M
```

10. How many such pairs of letters are there in the word SEDATIVE each of which has as many letters between them in the word as in the English alphabet ?
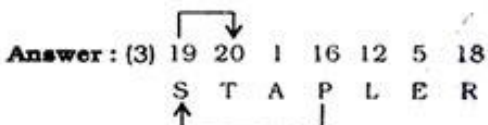(1) None   (2) One
(3) Two   (4) Three
(5) More than three

Answer : (5)
```
   19 5  4  1  20 9  22 5
   S  E  D  A  T  I  V  E
```

11. How many such pairs of letters are there in the word CHARGES each of which has as many letters between them in the word as in the English alphabet ?
(1) None   (2) One
(3) Two   (4) Three
(5) More than three

Answer : (3)
```
   3  8  1  18 7  5  19
   C  H  A  R  G  E  S
```

12. How many such pairs of letters are there in the word STAPLER each of which has as many letters between them in the English alphabet ?
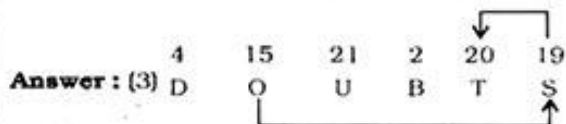(1) None   (2) One
(3) Two   (4) Three
(5) More than three

Answer : (3)
```
   19 20 1  16 12 5  18
   S  T  A  P  L  E  R
```

13. How many such pairs of letters are in the word DOUBTS each of which has as many letters between them in the word as in the English alphabet ?
(1) None   (2) One
(3) Two   (4) Three
(5) None of these

Answer : (3)
```
   4  15 21 2  20 19
   D  O  U  B  T  S
```

14. How many pairs of letters are there in the words STRAIGHTFORWARD which have number of letters between them in the word equal to the number of letters between them in English alphabet ?
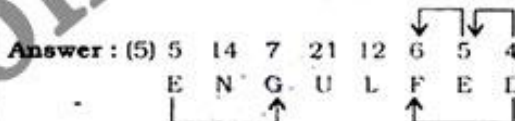(1) Four   (2) Five
(3) Six   (4) Seven

Answer : (2)
```
   19 20 18 1 9 7 8 20 6 15 18 23 1 18 4
   S  T  R  A I G H T  F O  R  W  A R  D
```

15. How many such pairs of letters are there in the word ENGULFED each of which has as many letters between them in the word as in the English alphabet ?
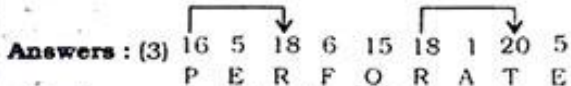(1) None   (2) One
(3) Two   (4) Three
(5) More than three

Answer : (5)
```
   5  14 7  21 12 6  5  4
   E  N  G  U  L  F  E  D
```

16. How many such pairs of letters are there in the word PERFORATE each of which has as many letters between them in the word as in the English alphabet ?
(1) None   (2) One
(3) Two   (4) Three
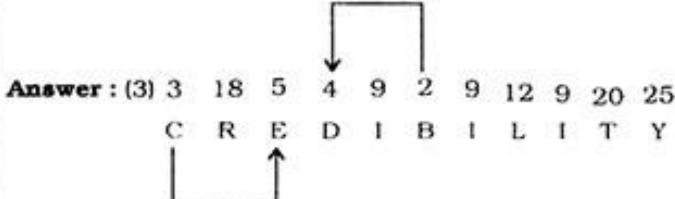(5) More than three

Answers : (3)
```
   16 5  18 6  15 18 1  20 5
   P  E  R  F  O  R  A  T  E
```

17. How many such pairs of letters are there in the word CREDIBILITY each of which has only one letter between them in the word as also in the alphabet?
(1) None   (2) One
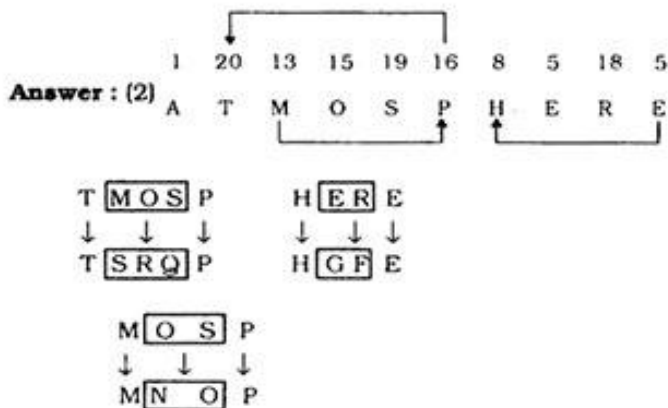(3) Two   (4) Three
(5) More than three

Answer : (3)
```
   3  18 5  4  9  2  9  12 9  20 25
   C  R  E  D  I  B  I  L  I  T  Y
```

Thus, there are two pairs of such letters.

18. How many such pairs of letters are there in the word ATMOSPHERE which have as many letters between them in the word as in the English alphabet ?

(1) Two   (2) Three
(3) Four   (4) Five
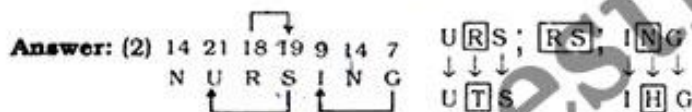(5) None of these

[Bank PO Exam, 2010]

Answer : (2)

```
   1  20  13  15  19  16   8   5  18   5
   A   T   M   O   S   P   H   E   R   E
```

```
T [M O S] P        H [E R] E
↓  ↓ ↓ ↓  ↓        ↓  ↓ ↓  ↓
T [S R Q] P        H [G F] E
```

```
M [O  S] P
↓  ↓  ↓  ↓
M [N  O] P
```

Thus, there are three such pairs of letters.

19. How many such pairs of letters are there in the word 'NURSING' which have as many letters between them in the word as in the alphabet ?

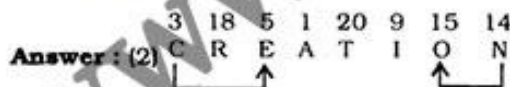(1) One   (2) Three
(3) Five   (4) Six
(5) None of these

[Bank P.O. Exam, 2010]

Answer: (2)
```
14 21 18 19  9 14  7        U [R S]; [R S]  I [N G]
 N  U  R  S  I  N  G        ↓  ↓ ↓    ↓ ↓   ↓ ↓ ↓
                            U [T S]        I [H] G
```

Thus, there are three such pairs of letters.

20. How many pairs of letters are there in the word CREATION in which the difference between them is same as in the English alphabet ?

(1) One   (2) Two
(3) Three   (4) Four
(5) None of these

Answer : (2)
```
 3 18  5  1 20  9 15 14
 C  R  E  A  T  I  O  N
```

Thus, there are two such pairs of letters : CE and ON

21. How many such pairs of letters are there in the word 'SUBSTANCE' each of which has as many letters between them in the word (in both forward and backward directions) as in the English alphabet ?

(1) None   (2) One   (3) Two
(4) Three   (5) More than three

[IBPS Specialist Officer CWE, 11.03.2012]

22. How many such pairs of letters are there in the word STREAMING each of which has as many letters between them in the word as in the English alphabet ? (in both forward and backward directions)

(1) None   (2) One   (3) Two
(4) Three   (5) More than three

[IBPS Bank Clerk CWE, 27.11.2011]

23. How many such pairs of letters are there in the word 'DAREDEVIL' each of which has as many letters between them in the word as in the English alphabet ? (in both forward and backward directions)

(1) None   (2) One   (3) Two
(4) Three   (5) More than three

[IBPS Bank Clerk CWE, 27.11.2011]

24. How many such pairs of letters are there in the word PRODUCTION each of which has as many letters between them (in both forward and backward directions) in the word, as they have between them in the English alphabetical series?

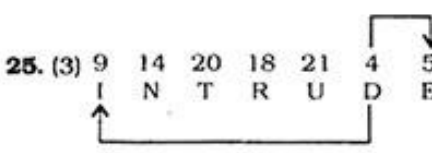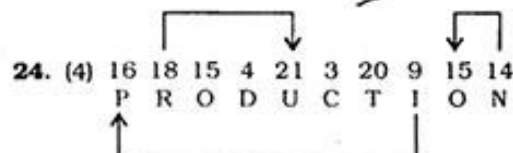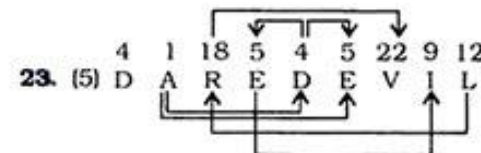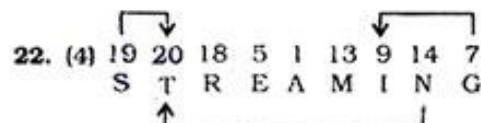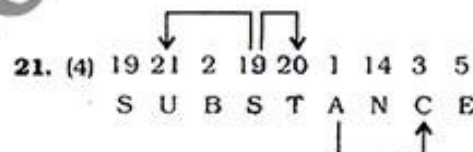(1) None   (2) One   (3) Two
(4) Three   (5) Four

[Central Bank of India Clerk Exam, 2011]

25. How many such pairs of letters are there in the word INTRUDE each of which has as many letters between them in the word (in both forward and backward directions) as they have between them in the English alphabetical order?

(1) None   (2) One   (3) Two
(4) Three   (5) Four

[Oriental Bank of Commerce Clerk Exam, 2011]

EXPLANATIONS

21. (4)
```
19 21  2 19 20  1 14  3  5
 S  U  B  S  T  A  N  C  E
```

22. (4)
```
19 20 18  5  1 13  9 14  7
 S  T  R  E  A  M  I  N  G
```

23. (5)
```
 4  1 18  5  4  5 22  9 12
 D  A  R  E  D  E  V  I  L
```

24. (4)
```
16 18 15  4 21  3 20  9 15 14
 P  R  O  D  U  C  T  I  O  N
```

25. (3)
```
 9 14 20 18 21  4  5
 I  N  T  R  U  D  E
```

(To be Continued ....)

ANALOGY

Analogy is an important section of Reasoning because it is that section through which examiners test the candidate's ability to compare and establish proper relationship among the given items on the basis of certain commonality. In case of question on Non-Verbal Analogy, it is very easy to recognise the common features between the given figures owing to certain limitations. Figures may have similar movement, rotation, orientation, shape, size, etc. and if you are able to observe these features you can select appropriate answer quickly. But in case of question on Verbal Analogy it is not possible to delimit the types of relationship which might exist between the given items. Apart from common types of relationship, sometimes unusual type of relationship is provided in the questions. Therefore, the chapter on Analogy is aimed not only at testing your reasoning ability but also overall knowledge, IQ, as well as the power of decision making.

The word ANALOGY has been derived from two words taken together : ANA means "Relation" and LOGUS means "Knowledge". The word ANALOGY is a Noun which literally means (i) a similar feature, condition, state etc. shared by two things that are compared and (ii) a process of reasoning based on similar feature of two things. Thus, Analogy means "similar feature", "a common feature" or "correspondence". Questions on Verbal Analogy judge your ability to understand the diverse relationship between various elements, things, phenomena, acts, terms, etc. in their proper context. Such questions are aimed at testing the candidate's overall knowledge, power of reasoning and the ability to think conclusively and logically. A candidate can develop and improve his ability to judge conclusively through sufficient practice and awareness.

Questions on Analogy cover almost all types of relationship or commonality that one can think of and which we generally observe in our day-to-day life. Some common types of relationship which frequently appear in the Examinations have been listed below:

1. STATE AND CAPITAL RELATIONSHIP

1. "Delhi" is related to "India" in the same way as "Paris" is related to
   (1) Germany
   (2) England
   (3) Canada
   (4) France
   (5) Indonesia

2. "Gujarat" is related to "Gandhi Nagar" in the same way as "Tamil Nadu" is related to
   (1) Bangalore
   (2) Chennai
   (3) Madurai
   (4) Coimbatore
   (5) Thiruchirapalli

ANSWERS

1. (4) Delhi is the capital of India. Similarly, Paris is the capital of France.

2. (2) Gujarat and Tamil Nadu are two states of India. Gandhi Nagar is the capital of the state of Gujarat. Similarly, Chennai is the capital of Tamil Nadu.

2. COUNTRY AND CURRENCY RELATIONSHIP

3. "Italy" is related to "Lira" in the same way as "Greece" is related to
   (1) Shekel
   (2) Quetzal
   (3) Krona
   (4) Drachma
   (5) Peso

Answer : (4) "Italy" is a county and its currency is called Lira. Similarly, Greece is a country and its currency is known as Drachma.

3. COUNTRY AND NAME OF THE PARLIAMENT

4. "Japan" is related to "Diet" in the same way as "Iran" is related to
   (1) Majlis
   (2) National Assembly
   (3) Althing
   (4) Shergo
   (5) People's National Assembly

Answer : (1)
   Japan's Parliament is called Diet. Similarly, Iran's Parliament is known as Majlis.

4. COUNTRY AND ITS NATIONAL GAMES/SPORTS

5. "Baseball" is related to "United States of America" in the same way as "Badminton" is related to
   (1) Australia
   (2) Canada
   (3) Malaysia
   (4) China
   (5) Brazil

Answer : (3) Baseball is the National Game of USA and Badminton is the National Game of Malaysia.

5. SEX RELATIONSHIP (Male and Female)

6. "Horse" is related to "Mare" in the same way as "Tiger" is related to
   (1) Tigris
   (2) Tigress
   (3) Panther
   (4) Cub
   (5) Lion

Answer : (2) Here Male-Female relationship has been shown. Horse is male and its female counterpart is Mare. In similar way, Tiger is male and its female counterpart is Tigress.

An extensive list of such relationship is given in the KIRAN'S UP-TO-DATE APPROACH TO BANK P.O. (VERBAL & NON-VERBAL) REASONING.

6. PARENTS AND CHILD RELATIONSHIP

7. "Calf" is related to "Cow" in the same way as "Puppy" is related to
   (1) Donkey   (2) Dog
   (3) Horse   (4) Sheep
   (5) Monkey

8. "Cub" is related to "Lion" in the same way as "Bunny" is related to
   (1) Horse   (2) Cattle
   (3) Kangaroo   (4) Rabbit
   (5) Eel

ANSWERS

7. (2) Calf is the baby of cow. Similarly, the baby dog is called puppy.

8. (4) The young one of lion is called cub and that of rabbit is called bunny.
   For further details refer to KIRAN'S UP TO DATE APPROACH TO BANK P.O. (VERBAL & NON-VERBAL) REASONING

7. ANIMAL AND ITS INDIVIDUAL TRAIT

9. "Barking" is related to "Dog" in the same way as "Mewing" is related to
   (1) Sheep   (2) Goat
   (3) Wolf   (4) Cat
   (5) Fox

Answer : (4) The sound of dog is called barking. Similarly, the sound made by cat is known as mewing.

8. ANIMAL AND ITS HABITAT RELATIONSHIP

10. "Stable" is related to "Horse" in the same way as "Den" is related to
    (1) Darkness   (2) Lion
    (3) Forest   (4) Animal
    (5) Rabbit

Answer : (2) The living place of horse is called stable and that of lion is called den.

9. WORKER AND WORKING PLACE RELATIONSHIP

11. "Court" is related to "Lawyers" in the same way as "Hospital" is related to
    (1) Wards   (2) Beds
    (3) Doctors   (4) Patients
    (5) Nurses

Answer : (3) Lawyers plead in the court and Doctors practice in the hospital (Clinic). Thus, this question is based on **worker-working place** relationship.

10. TOOL AND ACTION RELATIONSHIP

12. "Spade" is related to "dig" in the same way as "Shove" is related to
    (1) Carve   (2) Scoop

(3) Grip   (4) Amplify
(5) Grind

Answer : (2)

11. RAW MATERIAL AND PRODUCT RELATIONSHIP

13. Wax : Candle : : ? : Paper
    (1) Tree   (2) Bamboo
    (3) Pulp   (4) Wood
    (5) Stationery

14. "Table" is related to "wood" in the same way as "Almirah" is related to
    (1) Store   (2) Furniture
    (3) Shelf   (4) Office
    (5) Steel

ANSWERS

13. (3) Candle is made of wax. Similarly, paper is made from pulp.

14. (5) Table is made up of wood. Similarly, almirah is made up of steel.

12. WORKER AND TOOL RELATIONSHIP

15. "Plough" is related to "Farmer" in the same way as "Sword" is related to
    (1) Tailor   (2) Surgeon
    (3) Warrior   (4) Soldier
    (5) None of these

Answer : (3)

13. TERM AND ITS SUBJECT-MATTER

16. "Pedology" is related to "Soil" in the same way as "Petrology" is related to
    (1) Rock   (2) Petrol
    (3) Fossil   (4) Plants
    (5) None of these

17. "Ethnology" is related to "Human races" in the same way as "Onomatology" is related to
    (1) Reality   (2) Insects
    (3) Names   (4) Mountain
    (5) None of these

ANSWERS

16. (1) The scientific study of soil is called Pedology. Similarly, the scientific study of rocks is called Petrology.

17. (3) Ethnology is the study of human races. Similarly, Onomatology deals with names.

14. MATTER AND ITS STATE RELATIONSHIP

18. "Gold" is related to "Solid" in the same way as "Petroleum" is related to
    (1) Fuel   (2) Liquid
    (3) Car   (4) Gas
    (5) Oil

Answer : (2) Gold is found in solid state and petroleum in liquid state.

15. INSTRUMENT AND MEASUREMENT RELATIONSHIP

19. "Hygrometer" is related to "Humidity" in the same way as "Odometer" is related to

(1) Odour   (2) Colour
(3) Speed   (4) Intensity
(5) Current

Answer : (3) Hygrometer is used for measuring the relative humidity of the atmosphere. Similarly, Odometer is used for measuring speed.

16. QUANTITY AND UNIT RELATIONSHIP

20. "Force" is related to "Newton" in the same way as "Pressure" is related to

(1) Pascal   (2) Barometer
(3) Degrees   (4) Joule
(5) Density

Answer : (1) : Newton is the unit of force and Pascal is the unit of pressure.

17. WORKER AND PRODUCT RELATIONSHIP

21. Chair : Carpenter

(1) Radio : Radiology   (2) Bridge : Engineer
(3) Medicine : Doctor   (4) Grass : Gardener
(5) None of these

Answer : (2) Carpenter makes chair and bridge is constructed by engineer.

18. WORD AND ITS SYNONYM RELATIONSHIP

22. "Abduct" is related to "Kidnap" in the same way as "Presage" is related to

(1) Prepare   (2) Mend
(3) Predict   (4) Stage
(5) Homely

Answer : (3) Abduct and kidnap are synonymous to each other. Similarly, Presage and Predict are synonymous to each other.

19. WORD AND ITS ANTONYM RELATIONSHIP

23. "Heavy" is related to "Light" in the same way as "Smooth" is related to

(1) Dull   (2) Dark
(3) Rough   (4) Loud
(5) Rocky

Answer : (3) Heavy is the antonym of Light and Rough is the antonym of Smooth.

20. PART AND WHOLE RELATIONSHIP

24. Page is related to "Book" in the same way as Day is related to

(1) Night   (2) Week
(3) Hour   (4) Time
(5) Minute

Answer : (2) Several pages together constitute what is called Book. Similarly, seven days constitute a week.

21. WORD AND INTENSITY RELATIONSHIP

25. Select the related pair of words.
Peccadillo : Crime : : ?

(1) Manager : Clerk (2) Peon : Clerk
(3) Hesitate : Procrastinate
(4) Sheriff : Crime
(5) None of these

Answer : (3) Peccadillo means minor offence while Crime means serious offence. Therefore, Crime is a word of higher intensity than the word Peccadillo.
Similarly, Procrastinate is a word of higher intensity than the word Hesitate.

22. COUNTRY AND NATIONAL EMBLEM RELATIONSHIP

26. "Great Britain" is related to "Rose" in the same way as "France" is related to

(1) Tamarind   (2) China Rose
(3) Christhemus   (4) Flower
(5) Jasmine

Answer : (5) National Emblem of Great Britain is Rose and that of France is Jasmine.

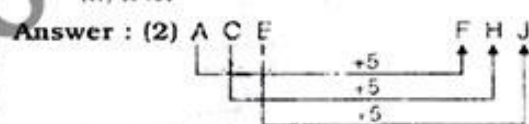## 23. DISEASE AND CAUSATIVE ORGANISM

27. "Tetanus" is related to "Bacteria" in the same as "Rabies" is related to

(1) Algae   (2) Fungus
(3) Virus   (4) Protozoa
(5) Fly

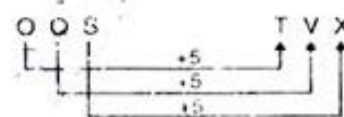**Answer : (3)** Tetanus is caused by Bacteria and Rabies is caused by Virus.
You can find a comprehensive list of above mentioned relationships in KIRAN'S UP-TO-DATE APPROACH TO BANK P.O. (VERBAL & NON-VERBAL REASONING)

24. ALPHABET ANALOGY

28. ACE : FHJ : : OQS : ?

(1) RTU   (2) TVX
(3) PRT   (4) UWY
(5) DGI

Answer : (2)

Similarly,

25. MISCELLANEOUS RELATIONSHIP

29. "Bud" is related to "Flower" in the same way as "Seed" is related to

(1) Earth   (2) Fruit
(3) Water   (4) Plant
(5) Oil

30. "Fan" is related to "Air" in the same way as "Stove" is related to

(1) Cook   (2) Boil
(3) Kerosene   (4) Heat
(5) Gas

ANSWERS

29. (4) Bud is sprouted into flower and seed into the plant.

30. (4) Fan provides air and stove produces heat.

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