VERBAL COMPREHENSION

Direction (Q.1-3): Read the following passage and answer these questions

As the rulers of the planet, humans like to think that it is the large creatures who will emerge victorious from the struggle for survival. However, nature teaches us, the opposite it is often the smallest species which are the toughest and most adaptable. A perfect example is the hummingbird, which is found in the Americas. One species of hummingbird is known as the bee hummingbird ranks as the world's smallest and lightest bird and it is barely visible when it is in flight.

Humming birds are the only birds that can fly backwards. They feed mainly on the nectar of flowers, a liquid that is rich in energy. Nectar is an ideal food source, for hummingbirds need an incredible amount of energy to sustain their body metabolism. A hummingbird's wings flap at a rate of about 80 times per second and its tiny heart bats more than 1000 times per minute. This is why they must consume relatively large quantities of food. In the course of a day, a hummingbird consumes about half its body weight in nectar.

Q. 1.   Nature has made man realise the fact that

(1) the large creatures emerge victorious from the struggle for survival.
(2) the smallest creatures are the toughest & most adaptable.
(3) humans are the most powerful on Earth.
(4) the largest and smallest species are equally tough & strong.

Key – 2

Q. 2.   Hummingbirds need a lot of energy in order to

(1) maintain their body metabolism.
(2) flap their wings and fly backwards.
(3) sustain steady rhythm of heartbeat.
(4) win a struggle for survival.

Key – 2

Q. 3.   Hummingbirds are exclusive in the sense that

(1) they subsist only on nectar.
(2) their pulse rate is more than 1000 per minute.
(3) they consume half of their body weight every day.
(4) they can fly backwards.

Key – 4

Direction (Q. 4-6): Read the following passage and answer these questions.

A majority of Indians prefer to use the internet for accessing banking and other financial services than shopping online, shows a new survey.

Almost 57% of Indian respondents using the internet prefer to bank online and use other financial services due to hassle-free access and time saving feature of online banking according to the survey.

Checking information on products and services online comes a close second at 53% while 50 % shop for products online. The fourth on the list-around 42% of respondents in India surfed online to look for jobs, the survey said. Online banking has made things much easier for the people and it saves a lot of time.

It has eliminated the problems associated with traditional way of banking where one had to stand in a queue and fill up several forms. Most of the banks in India have introduced customer-friendly banking facility with advanced security features to protect customers against cybercrime.

The easy registration process for net banking has improved customers' access to several banking products, increased customer loyalty, facilitated money transfer to any bank across India and has helped banks-attract new customers. The Indian results closely track the global trends as well conducted among 19216 people from 24 countries, the survey showed that banking and keeping track of finances and searching for jobs are the main tasks of internet users around the globe.

Overall, 60% of people surveyed used the web to check their bank account and other financial assets in the past 90 days, making it the most popular use of the internet globally. Shopping was not too far behind at 48%, the survey showed and 41% went online in search of a job in terms of country preferences, almost 90% of respondents in Sweden use e-banking.

Online banking has also caught on in a big way in nations like France, Canada, Australia, Poland, South Africa and Belgium, the survey showed. The Germans and British come on top for using online shopping with 74% of respondents in both countries having bought something online in the past three months. They are followed by 68% of respondents in Sweden, 65% in US and 62% in South Korea.

Q. 4.   According to the passage banks are able to attract more customers due to

        (1) better training of sales staff.
        (2) opening more branches at various locations.
        (3) easy registration process for net banking.
        (4) easy rules and regulations.

        Key – 3

Q. 5.   How many of the Indians use the internet shop online?

        (1) Between 40% to 50%
        (2) One fourth of them
        (3) One third of them

(4) Half of them

Key – 4

Q. 6.   If the given sentences were to be arranged in order of their popularity (from most to least popular) which would represent the correct sequence as per the passage?

A.   Use internet to gain information about products & services.
B.   Use internet to search for jobs.
C.   Use internet for online banking.

(1) B, A, C
(2) C, A, B
(3) C, B, A
(4) A, B, C

Key – 2

Direction (Q.7-9): Choose the correct meaning of idioms, given underlined in the sentences.

Q.7.   I take my hat off to all those who worked hard to turn my dream into reality.

(1) Encourage
(2) Admire
(3) Respect
(4) Welcome

Key – 3

Q.8.The minister took a bird's eye view of the problem.

(1) Vision of a bird
(2) See without giving attention
(3) A general view from above
(4) Visualise

Key – 2

Q.9.   He was brought to book by the authority.

(1) To beat
(2) To love
(3) To punish
(4) To bring a new book

Key – 3

Direction (Q. 10-12): In these questions a part of the sentence has errors and the other parts have none. Find out which part has error.

Q. 10. The power supplying in / many States has been / badly affected because / of the coal
         (1)   (2)   (3)   (4)

shortage.

      Key – 1

Q. 11. Farmers can easy / get loans under / the Kisan credit card scheme / which was launched
         (1)   (2)   (3)   (4)

by RBI.

      Key – 1

Q. 12. Today there are a very few / tigers left in India / and many NGOs are / working saving
         (1)   (2)   (3)   (4)

our national animal.

      Key – 4

Directions (Q.13-15): Four alternatives are given below each sentence. You are required to choose the most suitable alternative to complete the sentence to make it meaningful.

Q.13. I felt somewhat more relaxed _____

(1) but tense as compared to earlier.
(2) and tense as compared to earlier.
(3) as there was already no tension at all.
(4) and tension-free as compared to earlier.

      Key : 1

Q.14. Do not prevent me_____

(1) to work.
(2) working.
(3) from working.
(4) in working.

      Key : 3

4

Q.15. The news is too good to be true. The news is_____
     (1) such good that it can not be true.
     (2) so good that can be true.
     (3) so good that it can not be true.
     (4) would never be true.

       Key : 3

Direction (Q.16-18): Out of the four alternatives given below, choose the word opposite in meaning to the given word.

Q.16. ELEGANCE

     (1) Pride
     (2) Coarseness
     (3) Beautiful
     (4) Vulgarity

       Key – 4

Q. 17. FLUCTUATE

     (1) Conceive
     (2) Stabilize
     (3) Energize
     (4) Emancipate

       Key – 2

Q.18. ADULTERATE

     (1) Contaminate
     (2) Wash
     (3) Purify
     (4) Stain

       Key -3

Direction (Q.19-21): Out of the given alternatives, choose the one which can be substituted for the given sentence.

Q.19. The art of producing beautiful handwriting using a brush or a pen.

      (1) Hieroglyphics
      (2) Stenciling
      (3) Calligraphy
      (4) Graphics

        Key – 3

Q.20. Taking great pleasure in something.

      (1) Revel
      (2) Uphold
      (3) Satisfied
      (4) Overhaul

        Key – 1

Q.21. To free anything from germs.

      (1) Canterise
      (2) Antiseptic
      (3) Sterilize
      (4) Antivirus

        Key – 3

Direction (Q.22-24): Fill in the blanks with suitable preposition from the alternatives given below.

Q.22. I was very much pained _____ his misconduct.

      (1) at
      (2) by
      (3) with
      (4) of

        Key – 2

Q.23. With danger _____ your door, you cannot sit idle.

      (1) at
      (2) of
      (3) in
      (4) near

        Key -1

Q.24. After high tea, he settled himself _____ his arm chair.

    (1) on
    (2) in
    (3) over
    (4) into

      Key - 4

Direction (Q.25-27): For these questions, choose the pair which best expresses the relationship similar to that expressed in the main pair.

Q.25. ANIMAL: ZOOLOGY

    (1) Man : Philanthropy
    (2) Poems: Anthology
    (3) Disease: Bacteriology
    (4) Body: Physiology

        Key : 4

Q.26. HANDS: GLOVES

    (1) Legs: Shoes
    (2) Fish: Water
    (3) Socks: Feet
    (4) Bank: Fog

        Key : 3

Q.27. CROWN: KING

    (1) Mitre: Priest
    (2) Flower: Gardner
    (3) Pen: Student
    (4) Words: Dictionary

        Key : 1

Direction (Q.28-30): A part of the sentence is underlined. Below are given alternatives to the underlined part at (1), (2), (3) which may improve the sentence. Choose the correct alternative. In case no improvement is required, your answer is (4).

Q.28. Himanshu is <u>as tall if not</u>, taller than Vipin.

(1) not as tall but
(2) not so tall but as
(3) as tall as, if not
(4) No improvement

Key : 3

Q.29. I can always <u>count on him</u> in times of difficulty.

(1) count at him
(2) count on he
(3) count with him
(4) No improvement

Key : 4

Q.30 The problems of translation <u>are still remain</u>.

(1) are remain
(2) will remained
(3) will still remain
(4) No improvement

Key : 3

Direction (Q.31-33): Rearrange the following sentences A, B, C, D, E in the proper sequence so as to form a meaningful paragraph, then answer the question given below.

Q.31. A. India is.
B. a cultural unity amidst diversity.
C. a geographical and economic unity.
D. a bundle of contradictions.
E.   held together by strong but invisible threads.

Which sentence should come last in the paragraph?
(1) D
(2) B
(3) C
(4) E

Key : 4

8

Q.32. A. Of many artists
        B. those who impressed me the most.
        C. I saw as a child.
        D. but those with unique personalities off stage.
        E. were not always the successful ones.

        Which sentence should come first in the paragraph?
        (1) A
        (2) B
        (3) D
        (4) C

                    Key : 1

Q.33.   A. People want that racialism should be wiped out.
        B. Our principles are different from our professions.
        C. This is the main source of trouble.
        D. There has been awakening in the matter.
        E. They know that it has become irrelevant.

        Which sentence should come in the middle of the paragraph?
        (1) A
        (2) B
        (3) D
        (4) E

                    Key : 4

Direction (Q.34-36): In these questions, choose the correct tense in the given sentence.

Q. 34. The sentence "He is going to the library." , has a
        (1) Present perfect tense
        (2) Present continuous tense
        (3) Simple present tense
        (4) Simple past tense

                    Key : 2

Q. 35. The sentence" She had washed her hands before she cooked the dinner." , has a
        (1) Present perfect tense
        (2) Past perfect tense
        (3) Simple present tense
        (4) Simple past tense

                    Key : 2

9

Q. 36. The sentence" We will probably win." , has a
      (1) Present tense
      (2) Past tense
      (3) Future tense
      (4) Past perfect tense

          Key : 3

Direction (Q.37-40): Out of the four given alternatives, choose the one which expresses the meaning of the given word.

Q. 37. ADDICT

      (1) Doper
      (2) Incline
      (3) Enhance
      (4) Sentence

        Key – 1

Q. 38. DAINTY

      (1) Fragile
      (2) Delicate
      (3) Hopeful
      (4) Defiant

        Key -2

Q. 39. EXORBITANT

      (1) Excessive
      (2) Extravagant
      (3) Costly
      (4) Priceless

        Key – 1

Q.40. MAYHEM

      (1) Majesty
      (2) Havoc
      (3) Defeat
      (4) King

Quantitative Aptitude

Q.1.   If D is the number of degrees and R is the number of radians in an angle θ, then which one of the following is correct?

(1) $\pi D = 180 R$
(2) $\pi D = 90 R$
(3) $\pi R = 180 D$
(4) $\pi R = 90 D$

Key – 3

Q. 2.   It two tangents inclined at an angle 60^0 are drawn to a circle of radius 3 cm, then what is the length of each tangents?

(1) $3\sqrt{3}$ cm
(2) $\sqrt{3}$cm
(3) 6 cm
(4) $2\sqrt{2}$ cm

Key – 1

Q. 3.   4 men and 6 women can complete a work in 8 days while 3 men and 7 women can complete it in 10 days. In how many days will 10 women complete it?

(1) 35
(2) 40
(3) 45
(4) 50

Key – 2

Q. 4.   If 3 men or 9 boys can finish a piece of work in 21 days, in how many days can 5 men and 6 boys together do the same piece of work?

(1) 8 days
(2) 9 days
(3) 14 days
(4) 15 days

Key – 2

Q. 5. In coloured picture of blue and yellow colour, blue and yellow colour is used in the ratio of 4:3 respectively. If in upper half blue: yellow is 2:3, then in the lower half blue: yellow is

(1) 1:1

(2) 2:1

(3) 26:9

(4) 9:26

Key -3

Q. 6. The ratio of the ages of a father to that of his son is 5:2. If the product of their ages (in years) is 1000, then find the father's age after 10 years.

(1) 50 years　　　　(2) 60 years　　　　(3) 80 years　　　　(4) 90 years

Key – 2

Q. 7. The sum to infinity the series $1+4/5+7/5^2+10/5^3$_ _ _ _ _ _ _ _ _ is

(1) 16/35

(2) 11/8

(3) 35/16

(4) 17/6

Key – 3

Q. 8. Which of the following is the greatest of the given numbers?

(1) $(5)^{1/3}$

(2) $(9)^{1/4}$

(3) $(21)^{1/6}$

(4) $(144)^{1/12}$

Key – 2

Q. 9. The pair of numbers which are relatively prime to each other is

(1) (68, 85)

(2) (65, 91)

(3) (92, 85)

(4) (102, 153)

Key – 3

Q. 10. Hem sold 3/5ᵗʰ of his articles at a gain of 20% and remaining at cost price. Find the gain earned in the transaction.

(1) 8%
(2) 10%
(3) 12%
(4) 14%

Key – 3

Q. 11. A merchant bought two mobiles which together cost him Rs.480. He sold one of them at a loss of 15% and other at a gain of 19%. If the selling price of both the mobiles is equal, then find the cost of the lower priced mobile.

(1) Rs.150
(2) Rs.180
(3) Rs.200
(4) Rs.220

Key – 3

Q. 12. If the mean age of combined group of boys and girls is 18 years and the mean of age of boys is 20 and that of girls is 16, then what is the percentage of boys in the group?

(1) 60
(2) 50
(3) 45
(4) 40

Key – 2

Q. 13. Three candidates A, B, C participated in an election. A gets 40% of the votes more than B. C gets 20% votes more than B. A also overtakes C by 4000 votes. If 90% voters voted and no invalid or illegal votes were cast then what will be the number of voters in the voting list?

(1) 72,000
(2) 80,000
(3) 70,000
(4) 78,500

Key – 2

Q. 14. The least number which when divided by 4, 6, 8 and 9 leaves zero remainder in each case and when divided by 13 leaves a remainder of 7, is

(1) 144
(2) 72
(3) 36
(4) 85

Key – 2

Q. 15. What is the HCF of 8 (x^5-x^3+x) and 28 (x^6+1)?

(1) 4 (x^4-x^2+1)
(2) x^3-x+4x^2
(3) x^3-x+3x^2
(4) x^3+x-3x^2

Key – 1

Q. 16. A reservoir is supplied from a pipe 6 cm in diameter. How many pipes of 3 cm diameter would discharge the same quantity, supposing the velocity of water is the same?

(1) 2
(2) 4
(3) 8
(4) 16

Key – 2

Q. 17. The two adjacent sides of a parallelogram are 12 and 14 meters respectively. If the diagonal connecting the ends is 22 meters, then area of the parallelogram is

(1) $48\sqrt{2}$ m^2
(2) $48\sqrt{3}$ m^2
(3) $48\sqrt{5}$ m^2
(4) $48\sqrt{10}$ m^2

Key – 4

Q.18. There are six consecutive odd numbers. The difference between the squares of the average of last three numbers and the first three numbers is 288. What is the last odd number?

(1) 31
(2) 27
(3) 29
(4) 25

Key -3

Q. 19. If a sum of money at certain rate of simple interest per year doubles in 5 years and at a different rate of simple interest per year becomes three times in 12 years then the difference in two rates of simple interest per year is

(1) 2%
(2) 3 %
(3) 10/3%
(4) 13/3%

Key – 3

Q. 20. What will be the present worth of Rs.169 due in 2 years at 4% per annum compound interest?

(1) Rs.156.25
(2) Rs.160.00
(3) Rs.150.50
(4) Rs.154.75

Key – 1

Q. 21. With a uniform speed, a car covers a distance in 8 hours. Had the speed been increased by 4 km/h, the same distance could have been covered in 7hours 30 minutes. What is the distance covered?

(1) 420 km
(2) 480 km
(3) 520 km
(4) 640 km

Key – 2

Q. 22. A missile travels at 1350 km/h. How many meters does it travel in one second?

        (1) 369 m
        (2) 375 m
        (3) 356 m
        (4) 337 m

Key – 2

Q. 23. A started at 8.30 AM from a place P to go to a place Q. 30 minutes later, B left P for Q and caught up with A at 11 AM. B reached Q at 12 noon. A will reach Q at

        (1) 12: 30 PM
        (2) 12:15 PM
        (3) 1:00 PM
        (4) 12.20 PM

Key – 2

Q. 24. A, B and C entered into partnership in a business. A got $3/5^{th}$ of the profit. B and C distributed the remaining profit equally. If C got Rs.400 less than A, then the total profit was

        (1) Rs.1600
        (2) Rs.1200
        (3) Rs.1000
        (4) Rs.800

Key – 3

Q. 25. A, B and C do certain investments for time periods in the ratio of 2:1:8. At the end of the business term, they received the profit in ratio of 3:4:2. Find the ratio of investments of A, B and C.

        (1) 6:16:1
        (2) 2:5:1
        (3) 6:17:1
        (4) 6:19:3

Key – 1

Logical Reasoning

Direction (Q.1-4): In a certain code, 36492 is written as SMILE and 058 is written as RUN. How are the following figures coded in that language?

Q.1.   6458

    (1) MUIN
    (2) MINU
    (3) INUM
    (4) MIUN

Key – 4

Q.2.   92486

    (1) LEIMN
    (2) ELINR
    (3) LEINM
    (4) LIEMN

Key – 3

Q.3.   3425

    (1) SIEU
    (2) SIVE
    (3) SRVI
    (4) RUSI

Key – 1

Q.4.   33980

    (1) SLSNR
    (2) SSLRN
    (3) SSLNR
    (4) RRSLN

Key – 3

Direction (Q. 5-8): Study the given information carefully and answer the questions that follow:

    (i)   A, B, C, D, E, F and G are sitting on a wall and all of them are facing east.
    (ii)   C is on the immediate right of D
    (iii)   B is at an extreme end and has E as his neighbour
    (iv)   G is between E and F
    (v)   D is sitting third from the south end.

Q. 5.   Who is sitting to the right of E?

    (1) A
    (2) B
    (3) D
    (4) G

Key – 4

Q.6.   Which of the following pairs of people are sitting at the extreme ends?

    (1) AB
    (2) AE
    (3) CB
    (4) FB

Key – 1

Q. 7.   Name the person who should change place with C such that he gets the third place from the north end.

    (1) E
    (2) F
    (3) G
    (4) D

Key -3

Q. 8.   Immediately between which of the following pairs of people is D sitting?

    (1) AC
    (2) AF
    (3) CE

(4) CF

Direction (Q.9-12): Study the following information carefully and answer the questions given below:

(i) P, Q, R, S, T and U are six members in a family in which there are two married couples.
(ii) T, a teacher, is married to a doctor who is the mother of R and U.
(iii) Q, the lawyer, is married to P.
(iv) P has one son and one grand son
(v) Of the two married ladies one is a house wife
(vi) There is also one student and one male engineer in the family.

Q. 9. How is P related to R?

(1) Grand father
(2) Mother
(3) Sister
(4) Grand mother

Q. 10. Who among the following is the house wife?

(1) P
(2) Q
(3) S
(4) T

Q. 11. How is R related to U?

(1) Brother
(2) Sister
(3) Brother or sister
(4) Data inadequate.

Q. 12. Which of the following is true about the grand daughter in the family?

(1) She is a lawyer.
(2) She is a student.
(3) She is an engineer.
(4) Data inadequate.

Key – 2

Direction (Q.13-16): In these questions, a series is given with a missing term. Choose the correct alternative that will continue the same pattern.

Q. 13. In the series 2, 6, 18, 54, …….., what will be the 8th term?

(1) 4370
(2) 4374
(3) 7443
(4) 7434

Key – 2

Q. 14. Find the missing alphabet in the given series.

R, U, X, A, D, ?

(1) F
(2) G
(3) H
(4) I

Key – 2

Q. 15. Find the missing term.

DEF, HIJ, MNO, ?

(1) STU
(2) RST
(3) RTV
(4) SRQ

Key – 1

Q.16. Find the missing term.

2, 3, 8, 63, ………

(1) 1038
(2) 1998
(3) 3008
(4) 3968

Key – 4

Direction (Q.17-20): Read the following information to answer these question.

Consider a group comprising 4 students – Reena, Beena, Meena and Neena, who stand in a row. Teena and Beena stand in sixth and seventh positions respectively from the left. Meena and Neena stand in the fourth and fifth positions respectively from the right. When Beena and Meena exchange their positions, then Beena will be fifteenth from the left.

Q. 17. Originally Neena's position from the left is

    (1) 5
    (2) 13
    (3) 14
    (4) 16

Key – 3

Q. 18. Reena's position from the right is

    (1) 6
    (2) 13
    (3) 14
    (4) 18

Key -2

Q.19. If Neena and Reena also exchange their positions between themselves, then after the exchange, Neena's position from the left will be

    (1) 6
    (2) 10
    (3) 11
    (4) 12
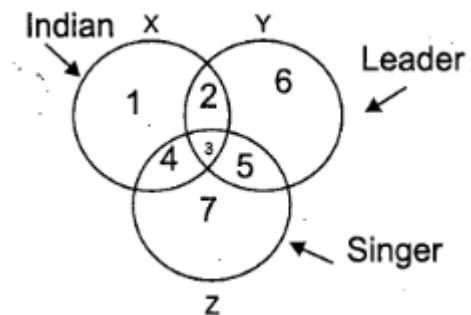
Key – 1

Q. 20. After exchange of positions between Beena and Meena, Meena's position from the right is

     (1) 5
     (2) 10
     (3) 11
     (4) 13

Key – 3

Direction (Q.21-25): Study the following figure carefully and answer the given questions.

Q.21. Which region denotes Indian leaders who are not singers?

     (1) 2
     (2) 3
     (3) 4
     (4) 5

       Key – 1

Q.22. Which region represents Indian leaders who are singers?

     (1) 2
     (2) 3
     (3) 4
     (4) 5

     Key – 2

Q.23. Which region represents Indian singers who are not leaders?

     (1) 1

(2) 2

(3) 3

(4) 4

Key – 4

Q.24. Which region represents leaders who are neither singers nor Indians?

(1) 2

(2) 3

(3) 6

(4) 7

Key – 3

Q.25. Which region represents singers who are neither Indians nor leaders?

(1) 2

(2) 4

(3) 6

(4) 7

Key - 4