

RRB NTPC

Previous Years' Question Papers PDF



1. The O T C medicine crocin is an-

- (A) Analgesic
- (B) Antipyretic
- (C) Analgesic and antipyretic
- (D) Antiseptic

A. (B)

B. (C)

C. (D)

D. (A)

Ans. B

Sol.

• **The O T C medicine crocin is basically an Analgesic and antipyretic.**

• Crocin is India's leading analgesic brand in the non – prescription (over-the-counter) analgesics category¹ with a wide range of variants in both solid and liquid formats.

• Antipyretic is a drug used to prevent fever while analgesic is a drug used to relieve pain.

2. Which sign should be interchanged if the equation below needs to be true?

$$1.5 + 8 \times 9 - 16 + 2 = 4$$

- (A) \times and $-$
- (B) \div and $-$
- (C) $+$ and \div
- (D) \div and $+$

A. (D)

B. (B)

C. (C)

D. (A)

Ans. B

Sol.

According to the question,
If we interchange \div and $-$ sign, the equation becomes correct.

$$1.5 + 8 \times 9 \div 16 - 2$$

$$1.5 + 4.5 - 2$$

$$6$$

3. If $3A=2B=C$, then $A:B:C = ?$

(A) $6 : 2 : 3$

(B) $\frac{1}{3} : \frac{1}{2} : 1$

(C) $3 : 2 : 1$

(D) $1 : 3 : 2$

A. (B)

B. (C)

C. (A)

D. (D)

Ans. A

Sol. Let $3A=2B=C = k$

then $A = k/3$

$B = k/2$

$C = k$

therefore $3A:2B:C = k/3:k/2:k$

$$= 1/3 : 1/2 : 1$$

4. National good governance day is observed in India on-

(A) December 24

(B) December 25

(C) December 26

(D) December 31

A. (B)

B. (D)

C. (C)

D. (A)

Ans. A

Sol.

• **Every year 25th December is observed as National Good Governance day. It was first established in 2014.**

• It is the birth anniversary of former- [Prime Minister Atal Bihari Vajpayee](#).

• Its objective is to foster awareness among the Indian people of accountability in government.

5. If $\cos \theta = \frac{4}{5}$, then $(\sec \theta + \operatorname{cosec} \theta)$

(A) $\frac{7}{5}$

(B) $\frac{15}{12}$

(C) $\frac{35}{12}$

(D) $\frac{12}{5}$

A. (C)

B. (A)

C. (B)

D. (D)

Ans. A

Sol. If $\cos \theta = 4/5$

then $\sec \theta = 5/4$ and $\operatorname{cosec} \theta = 5/3$

$$= 5/4 + 5/3$$

$$= 35/12$$

6. An assertion (A) and a reason (R) are given below –

Assertion (A) :- Agricultural activities are less on mountainous region.

Reason (R) :- Mountains have less fertile terrain and difficult weather conditions.

Choose the correct option :-

- (A) Both A and R are true and R is the correct explanation of A
- (B) Both A and R are true, but R is not the correct explanation of A
- (C) A is true but R is false
- (D) A is false but R is true

- A. (A)
- B. (B)
- C. (C)
- D. (D)

Ans. A

Sol.

Agriculture activities are less on mountain region because they are less fertile terrain and difficult weather conditions.

Both assertion and reason are true and R is the correct explanation of A.

So, the correct response is A.

7.Q purchased a table for 13500 and sold it 11000. What is his loss percentage?

- (A) 19.81%
- (B) 20.62%
- (C) 21.78%
- (D) 18.52%

- A. (D)
- B. (B)
- C. (C)
- D. (A)

Ans. A

Sol.

$$\text{Loss} = 13500 - 11000 \\ = 2500$$

$$\text{loss \% age} = (2500 / 13500) * 100 \\ = 18.52\%$$

8.The third generation anti-tank missile that was successfully test fired by DRDO at Rajasthan in named

- (A) Agni
- (B) Nag
- (C) Cobra
- (D) Toophan

- A. (D)
- B. (A)
- C. (B)
- D. (C)

Ans. C

Sol.

• **The third generation anti-tank missile that was successfully test fired by DRDO at Rajasthan in named as NAG Missile.**

- Nag is an third generation fire and forger, all weather anti tank missile.
- Is range is 3-7 kilometres. It is developed by Defence Research and Development Program.
- As of 2017, the Nag missile is solely operated from the NAMICA [ATGM](#) carrier.

9.The mode and median of the data 8, 6, 8, 7, 8, 6, 8, 7, 6 is

- (A) 7 and 8
- (B) 6 and 7
- (C) 8 and 7
- (D) 6 and 8

- A. (B)
- B. (A)
- C. (D)
- D. (C)

Ans. D

Sol.

To find median arrange the values in ascending order

6,6,6,7,7,8,8,8,8

Now the middle term is the median.

Mode is the most occurring term in the series, which in this series is 8.

10.Blotting paper absorbs ink due to

- (A) Coarse nature of paper
- (B) Osmosis
- (C) Capillary action
- (D) Siphoning

- A. (C)
- B. (B)
- C. (A)
- D. (D)

Ans. A

Sol.

• **Blotting paper absorbs ink due to Capillary action.**

- Blotting paper is basically an absorbent paper used for soaking up excess ink when writing.
- The capillary action is based on the property of surface tension of liquid.
- Blotting paper provides capillary action for faster absorption of liquid.

11. The first Indian communication satellite was-

- (A) Aryabhata
- (B) Bhaskara-1
- (C) Apple
- (D) Chandrayaan-1

- A. (A)
- B. (B)
- C. (C)
- D. (D)

Ans. C

Sol.

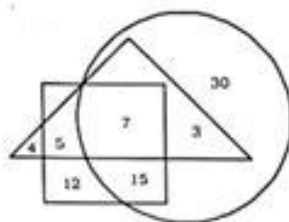
• **Ariane Passenger PayLoad**

Experiment, APPLE was the first communication satellite of India.

- It was launched on 19 June, 1981 from French Guiana.
- It was boosted into Geo-Synchronous Orbit (GSO) by ISRO's own apogee motor derived from the fourth stage motor of the SLV-3.

12. **Direction:** Study the following diagram and answer question based on it-

The diagram represents the favourite ice-cream flavours of kids in a society



- Chocolate
- Vanilla
- △ Strawberry

The ratio of kids who like both chocolate and vanilla but not strawberry?

- (A) 5
- (B) 7
- (C) 12
- (D) 15

- A. (B)
- B. (C)
- C. (D)
- D. (A)

Ans. C

Sol.

We will take the ice creams in the circle and square but not in the triangle.

$$= 15$$

13. The ratio of kids who like vanilla to those who like chocolate is :

- (A) 12/30
- (B) 39/45
- (C) 27/45
- (D) 39/55

- A. (B)
- B. (D)
- C. (C)
- D. (A)

Ans. B

Sol.

14.

How many kids like strawberry but not vanilla?

- (A) 4
- (B) 5
- (C) 7
- (D) 3

- A. (B)
- B. (C)
- C. (A)
- D. (D)

Ans. B

Sol.

We will count the the ice creams inside the the triangle but outside the square.

$$= 7$$

15. If TREK = 8346 and FAMILY =

209175 then REALITY will be

- (A) 3427185
- (B) 3407185
- (C) 3409175
- (D) 3490185

- A. (B)
- B. (D)
- C. (C)
- D. (A)

Ans. A

Sol.

T - 8

R - 3

E - 4

K - 6

F - 2

A - 0

M - 9

I - 1

L - 7

Y - 5

The code for REALITY will be-

R - 3

E - 4

A - 0

L - 7

I - 1

T - 8

Y - 5

Hence, the correct answer is option A.

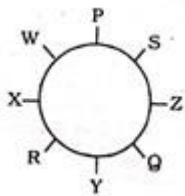
16.Direction : P, W, Q, X, R, Y, Z And S sit randomly in a circle facing each other. Consider the following information and questions based on it-

1) Y sits exactly between Q and R

2) P does not sit next to either X or Z

3) Z is right of Q

4) S sits third from the left of X and the right of Y.



Who sits to the left to S?

(A) Z

(B) X

(C) P

(D) Q

A. (B)

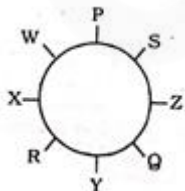
B. (D)

C. (A)

D. (C)

Ans. C

Sol.



Z sits to the left of S.

Hence, option C is correct.

17.If they all are facing outside the circle, W would be the left of.

(A) X

(B) S

(C) P

(D) Can not determine

A. (B)

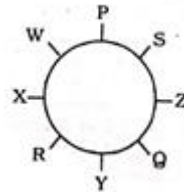
B. (C)

C. (D)

D. (A)

Ans. B

Sol.



If all are facing outside the circle, W would be left of P.

Hence, option B is correct.

18.X sits between-

(A) R and Q

(B) W and R

(C) Q and Y

(D) S and W

A. (C)

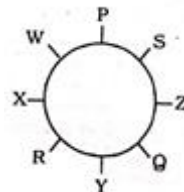
B. (D)

C. (B)

D. (A)

Ans. C

Sol.



X sits between W and R.

Hence, option C is correct.

19.What is the ratio of simple interest earned on certain amount at the rate of 12% for 6 years and that for 12 years?

(A) 1 : 2

(B) 2 : 3

(C) 3 : 4

(D) 4 : 5

A. (A)

B. (B)

C. (C)
D. (D)
Ans. A
Sol.

$$S.I = (P \times R \times T) / 100$$

$$\text{Ratio} = \frac{P \times 12 \times 6}{P \times 12 \times 12} = 1:2$$

20. The headquarter of UNO is in

- (A) New York
(B) Washington
(C) Geneva
(D) Vienna

A. (C)
B. (D)
C. (B)
D. (A)
Ans. D
Sol.

• **The headquarters of united nations organization is situated at New York.**

- It was founded on 25 April, 1945 after second world war.
- It consists of two main functioning bodies- General Assembly and Security Council.
- The Security Council has total 15 members, which includes 10 temporary members and 5 permanent members. United States, UK, France, China and Russia are permanent members of UN Security Council while 10 temporary members are chosen from among its members for a tenure of 2 years. The permanent members enjoy the power to veto while temporary members don't have this power.

21. Which of the following is the least of all?

- (A) 0.5
(B) $1/0.5$
(C) 0.5×0.5
(D) 0.5×2

A. (B)
B. (D)
C. (C)
D. (A)
Ans. C
Sol.
0.5

$$\begin{aligned} 1/0.5 &= 2 \\ 0.5 \times 0.5 &= 0.25 \\ 0.5 \times 2 &= 1 \\ 0.25 &\text{ is the least} \end{aligned}$$

22. The function of BIOS is to

- (A) Initialize the system hardware components
(B) Update the system
(C) Ensure system performance
(D) Save the system from crashing

A. (B)
B. (D)
C. (C)
D. (A)
Ans. D
Sol.

• **BIOS stands for Basic Input Output System.**

- It is non-volatile firmware used to perform hardware initialization during the booting process.
- It is the first thing to start when we put on our computer.

23. If Quarantine : Isolation, then freedom :-

- (A) Separation
(B) Detention
(C) Liberation
(D) Constitution

A. (A)
B. (C)
C. (B)
D. (D)
Ans. B
Sol.

Quarantine and Isolation are synonyms to each other.

Similarly, Freedom and Liberation have the same meanings

24. P can do a work in 10 days. Q can do the same work in 15 days. If they work together for 5 days, how much of the work will they complete?

- (A) $\frac{1}{2}$
(B) $\frac{2}{3}$
(C) $\frac{1}{3}$
(D) $\frac{5}{6}$

- A. (D)
B. (B)
C. (A)
D. (C)

Ans. A

Sol.

P = 10 days

Q = 15 days

$$5 \times (1/10 + 1/15) = 5/6$$

25. Safety matches contain

- (A) Sulphur
(B) Phosphorus
(C) Magnesium
(D) Potassium

- A. (D)
B. (C)
C. (A)
D. (B)

Ans. B

Sol.

• **The safety matches contain sulphur, Potassium chlorate, red phosphorous, binder, filler etc.**

• Safety matches are 'safe' because they don't undergo spontaneous combustion and because they don't make people sick.

• A safety match uses friction to generate the heat needed to initiate combustion.

26. Champions of the 2nd football Indian super league (ISL) were

- (A) FC Goa
(B) Chennaiyan FC
(C) Delhi Dynamos
(D) Atletico de Kolkata

- A. (A)
B. (C)
C. (B)
D. (D)

Ans. C

Sol.

• **The Indian Super League is the official men's top division football league in India and it was founded in 2013.**

• The second football Indian super league (ISL) was won by Chennaiyin. It was played in 2015. Kerala was runner up in this session.

• Jofre Mateu was selected as 'the hero of the match'.

27. The winner of the open competition for designing the rupee sign was.

- (A) Udaya Kumar
(B) Vijay Kumar
(C) Prem Kumar
(D) Pranav Kumar

- A. (C)
B. (D)
C. (B)
D. (A)

Ans. D

Sol.

• **Uday kumar was winner of the open competition for designing the rupee sign.**

• His design was finally chosen from the 5 shortlisted symbols.

• He is the Head Of Department of Design at IIT Guwahati.

• The symbol is designed using the Devanagari letter र 'Ra' and Roman capital letter 'R'.

28. R borrowed 1200 at 13% per annum simple interest. What amount will R pay to clear the debt after 5 years?

- (A) 1860
(B) 1880
(C) 1980
(D) 2000

- A. (A)
B. (B)
C. (C)
D. (D)

Ans. C

$$\text{Sol. S.I} = (P \times R \times T) / 100 \\ (1200 \times 13 \times 5) / 100 \\ = 780$$

$$\text{Amount after 5 years} = 1200 + 780 = 1980$$

29. 10 Dozen apples, 15 dozen mangoes and 20 dozen oranges are kept for sale, $1/2^{\text{nd}}$, $1/3^{\text{rd}}$ and $1/4^{\text{th}}$ of each item respectively have been added. What is the total number of fruits kept for sale now?

- (A) 720
(B) 600
(C) 580
(D) 820

- A. (D)
B. (B)

C. (A)
D. (C)
Ans. C
Sol.

10 dozen = $10 \times 12 = 120$
15 dozen = $15 \times 12 = 180$
20 dozen = $20 \times 12 = 240$
 $(1/2) \times 120 = 60$, $(1/3) \times 180 = 60$,
 $(1/4) \times 240 = 60$
Added oranges = $60 + 60 + 60 = 180$
Adding these to the initial number of oranges = $540 + 180$

30. Read the following paragraph carefully and answer the question based on the information provided in it. Population explosion needs controlled measures to manage earth's resources. We must find ways to utilize the natural resources in an efficient manner to satisfy the ever growing needs of the people. Solar energy may be used to replace the increasing demand for fuels like coal, wood, and so on. Rainwater harvesting is a must to meet the water needs of the urban population. If we deplete the earth of its resources at such a fast pace. Sooner or later we will have to search for another planet that can sustain life like earth. Which of the following is true according to the paragraph.

- (A) There is another planet in the solar system like earth
(B) The demands of the population are unrealistic and should not be met
(C) Rainwater harvesting replaces the demand for coal and wood.
(D) Measures have to be taken to wisely use the available natural resources.

A. (D)
B. (A)
C. (C)
D. (B)
Ans. A
Sol.

Measures have to be taken to wisely use the available natural resources.

31. Find the least number to be added to 1739 so that it is exactly divisible by 11-
(A) 11
(B) 2
(C) 1

(D) 10
A. (C)
B. (A)
C. (B)
D. (D)
Ans. D
Sol.

Divide the given number by 11
 $1739/11$ gives 1 as remainder, so to make the number divisible by 11 we need to add 10 to it.

32. Rajiv Gandhi Khel Ratna Award for 2015 was-

- (A) Saina Nehwal
(B) Sania Mirza
(C) Vijay Kumar
(D) Mary Kom
A. (B)
B. (A)
C. (C)
D. (D)
Ans. A
Sol.

• **Sania Mirza was awarded the Rajiv Gandhi Khel rattan award 2015.**

• Rajiv Gandhi Khel Ratna Award is given for the spectacular and most outstanding performance in the field of sports by a sportsperson over a period of four years.

• Rajiv Gandhi Khel Ratna Award is the highest sports award in country.

33. Cricket world cup 2019 is scheduled to be hosted by

- (A) England
(B) South Africa
(C) Wales
(D) England and Wales
A. (A)
B. (B)
C. (D)
D. (C)
Ans. C
Sol.

• **The cricket world cup 2019 was hosted by England and Wales.**

England hosted it for fifth time.

• The World cup begins on 30 May and ending with the [final](#) on 14 July. England won the title defeating New Zealand.

34. IFSC is the short term of-

- (A) International financial system code.
(B) Indian financial system code
(C) Inter bank financial system
(D) Inter bank functional system

- A. (D)
B. (B)
C. (C)
D. (A)

Ans. B

Sol.

• **IFSC stands for Indian Financial System code.**

- IFSC is a unique 11 digit number which is a combination of numerical and alphabets. It is used to transfer funds through NEFT , RTGS etc.
- It can be found on cheque book, bank's passbook etc.

35. IP address refers to.

- (A) A numerical network label
(B) A dynamic link between two computers
(C) A group of networks
(D) Digital 'know your client'

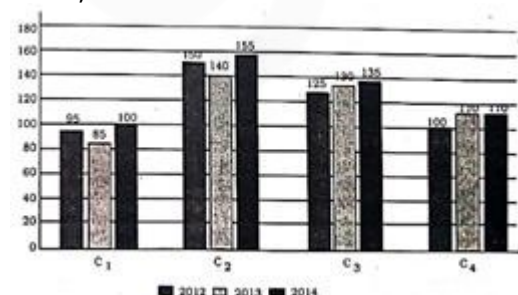
- A. (C)
B. (A)
C. (B)
D. (D)

Ans. B

Sol.

- An Internet Protocol address is a **numerical label assigned to each device.**
- Hosting and Location addressing are two of its major functions.
- IPv6 is latest IP in use since 2000s. The IP address space is managed globally by the [Internet Assigned Numbers Authority](#) (IANA).

36. **Comprehension:** The bar chart represents sales of four companies C₁, C₂, C₃ and C₄ (in millions) for the year 2012, 2013 and 2014



Consider the bar chart and answer question based on it-

Which two companies showed increase in their sales from 2012 to 2013.

- (A) C₁, C₄
(B) C₂, C₃
(C) C₃, C₄
(D) C₁, C₃

A. (D)

B. (A)

C. (C)

D. (B)

Ans. C

Sol.

37. The combined sales of C₂ in 2012 and 2014 is how much more than that of C₃ for the same years?

- (A) 12.96%
(B) 13.72%
(C) 14.75%
(D) 17.30%

A. (C)

B. (B)

C. (D)

D. (A)

Ans. D

Sol.

Combined sales of C₂ in 2012 and 2014 = 305

Combined sales of C₃ in 2012 and 2014 = 270

$$35 = \left(\frac{x}{100}\right) \times 270$$

$$= 12.96\%$$

38. The ratio of combined sales of C

1 and C4 in the year 2013 to that of year 2012 is-

- (A) 1
(B) $\frac{1}{2}$
(C) $\frac{3}{2}$
(D) $\frac{2}{3}$

A. (C)

B. (B)

C. (A)

D. (D)

Ans. C

Sol.

Sales of C₁ in 2012 and 2013 = 95 and 100 respectively

Sales of C₄ in 2012 and 2013 = 85 and

110 respectively
 $(85 + 110) / (95 + 100) = 1$

39. Recipient of C. K. Nayudu lifetime Achievement award for 2014-2015 cricket was-

- (A) Syed Kirmani
- (B) E.A.S. Prasanna
- (C) G.R. Vishwanath
- (D) Bishan Singh Bedi

- A. (C)
- B. (B)
- C. (A)
- D. (D)

Ans. C

Sol.

• Former India stumper **Syed Kirmani** was chosen for the prestigious Col. C.K. Nayudu Lifetime Achievement award for 2015.

• He has served as chairman of senior national selection committee and vice president of Karnataka state cricket Association.

40. $1.1 + 12.12 + 123.123 = ?$

- (A) 134.343
- (B) 133.433
- (C) 132.123
- (D) 136.343

- A. (D)
- B. (C)
- C. (B)
- D. (A)

Ans. A

Sol.

$$1.1 + 12.12 + 123.123 = 136.343$$

41. During India's freedom struggle the newspaper 'Young India' was published by.

- (A) B. R. Ambedkar
- (B) Subhash Chandra Bose
- (C) Mahatma Gandhi
- (D) Muhammad Ali Jinnah

- A. (B)
- B. (D)
- C. (C)
- D. (A)

Ans. C

Sol.

• **Young India newspaper was published by Gandhiji from 1919 to 1931.**

- He used Young India to spread ideals of Non Violence among Indian Mass.
- Gandhiji also published weekly newspaper Harijan and Harijan Sevak in Hindi.

42. The mean of the data

1, 2, 10, 18, 3, 17, 19 is

- (A) 7
- (B) 10
- (C) 17
- (D) 70

- A. (A)
- B. (C)
- C. (B)
- D. (D)

Ans. C

Sol.

$$\text{Mean} = (\text{Sum of terms}) / (\text{No. of terms}) \\ = 70 / 7 = 10$$

43. The 'Quit India' movement was launched by Mahatma Gandhi in the year-

- (A) 1941
- (B) 1942
- (C) 1945
- (D) 1946

- A. (A)
- B. (D)
- C. (B)
- D. (C)

Ans. C

Sol.

• Quit India movement was **launched by Mahatma Gandhi in August, 1942** from Gwalior tank, Mumbai.

• The Quit India movement is launched after failing of Cripps Mission in 1942.

• In quit India movement Gandhi gave slogan of Do or Die.

44. The summer capital of Jammu and Kashmir government is :

- (A) Jammu
- (B) Srinagar
- (C) Gulmarg
- (D) Anantnag

- A. (A)
- B. (B)
- C. (C)
- D. (D)

Ans. B

Sol.

• **Srinagar is the summer capital of jammu and Kashmir government while jammu is it's winter capital.**

• Recently the Government of India repealed the special status accorded to Jammu and Kashmir under [Article 370](#) of the Indian constitution, which seeks to dissolve the state and reorganise it into two [union territories](#) - [Jammu and Kashmir](#) and [Ladakh](#).^[27] The act will come into effect from 31 October 2019.

45. Find the similarity in the following :-
Plays, Movies, Documentary, Roadshows

- (A) All can be used to convey social messages
- (B) All are showcased theatres
- (C) All of them are only in English language
- (D) No similarity

- A. (B)
- B. (C)
- C. (A)
- D. (D)

Ans. C

Sol.

The only similarity between plays, movies, roadshows and documentary is that they all can be used to convey social messages.

Hence, option C is correct.

46. $125 - 73 + 48 - 137 + 99 = ?$

- (A) 237
- (B) 62
- (C) -37
- (D) 52

- A. (A)
- B. (B)
- C. (D)
- D. (C)

Ans. B

Sol.

$272 - 210 = 62$

47. The cost of one dozen bananas is 5. The cost of one dozen oranges is 75. What will the cost of one and a quarter dozen bananas and three fourth dozen oranges?

- (A) 112.5
- (B) 131.25
- (C) 62.5
- (D) 93.75

- A. (A)
- B. (C)
- C. (D)
- D. (B)

Ans. B

Sol.

Price of 1 banana = $5/12$

Price of 1 orange = $75/12$

Price of one quarter dozen bananas = $15 \times 5/12 = 25/4$

Price of three fourth dozen oranges = $9 \times 75/12 = 225/4$

$225/4 + 25/4 = 62.5$

48. Find the standard deviation of (11, 7, 10, 13, 9)

- (A) 1
- (B) 2
- (C) 4
- (D) 5

- A. (B)
- B. (C)
- C. (D)
- D. (A)

Ans. A

Sol.

Standard deviation

$$\sigma = \sqrt{\frac{1}{N} \sum_{i=1}^N (x(i) - m)^2}$$

(mean = m)

$$\frac{\Sigma}{N} = \frac{11+7+10+13+9}{5}$$

= 10

$$x(1) - m = 1 \quad [x(1) - m]^2 = 1$$

$$x(1) - m = -3 \quad [x(1) - m]^2 = 9$$

$$x(1) - m = 0 \quad [x(1) - m]^2 = 0$$

$$x(1) - m = 3 \quad [x(1) - m]^2 = 9$$

$$x(1) - m = -1 \quad [x(1) - m]^2 = 1$$

$$\sigma = \sqrt{(20/5)} = 2$$

49. If $\theta = 30^\circ$ then what is the value of $\tan^2 \theta + \cos^2 \theta$.

- (A) $\frac{1}{3}$
- (B) $\frac{4}{3}$
- (C) $\frac{9}{3}$
- (D) $\frac{13}{12}$

- (A) $\frac{4}{3}$
- (B) $\frac{9}{3}$
- (C) $\frac{13}{12}$
- (D) $\frac{12}{12}$

- (A) $\frac{9}{3}$
- (B) $\frac{13}{12}$
- (C) $\frac{12}{12}$
- (D) $\frac{12}{12}$

- (A) $\frac{12}{12}$
- (B) $\frac{12}{12}$
- (C) $\frac{12}{12}$
- (D) $\frac{12}{12}$

- A. (A)
B. (C)
C. (D)
D. (B)

Ans. C

Sol.

$$(\sqrt{3})^2 + (\sqrt{3}/2)^2 \\ = 13/12$$

50. Find the factor of $(x^2 + x = 42)$

- (A) $(x + 14)(x - 3)$
(B) $(x + 6)(x - 7)$
(C) $(x - 6)(x + 7)$
(D) $(x - 14)(x + 3)$

- A. (A)
B. (C)
C. (B)
D. (D)

Ans. B

Sol.

$$x^2 + x - 42 = 0$$

$$x^2 + 7x - 6x - 42 = 0$$

$$(x+7)(x-6) = 0$$

51. If A means '+', @ means 'x', & means '-' and V means '/' then the value of

$$7 @ 2 V 135 \& 5 @ 3 \& 9 A 1$$

- (A) 14
(B) 9
(C) 6
(D) 1

- A. (D)
B. (B)
C. (A)
D. (C)

Ans. D

Sol.

$$7 @ 2 V 135 \& 5 @ 3 \& 9 A 1$$

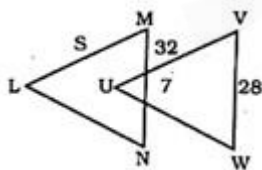
$$7 \times 2 - (135/5) \times (3/9) + 1$$

$$14 - 9 + 1$$

$$5 + 1$$

$$6$$

52. If LMN and UVW are similar triangles, the value of side S is



- (A) 4
(B) 6

- (C) 8
(D) 9

- A. (A)
B. (D)
C. (B)
D. (C)

Ans. D

Sol. $LMN \sim UVW$

$$MN/VW = LM/UV$$

$$7/28 = s/32$$

$$s = 8.$$

53. Oncology is associated with treatment of-

- (A) Osteoporosis
(B) Diabetes
(C) Cancer
(D) Renal failure

- A. (C)
B. (B)
C. (A)
D. (D)

Ans. A

Sol.

• **Oncology is associated with treatment of cancer.**

- It's professional are known as oncologist.
- Pediatric oncology is the medical specialty that focuses on cancer care for children.
- Oncologists is usually carried out via biopsy, endoscopy, X-ray, CT scanning, MRI, PET scanning, ultrasound or other radiological methods.

54. If PRINTER is coded as \$# @ *!&#, then INTERPRETER is coded as-

- (A) @*!&#&#&#!&#
(B) @*&!#&#&!#
(C) @*!&#&#&!&#
(D) @*!&!&#&!&#

- A. (C)
B. (A)
C. (B)
D. (D)

Ans. A

Sol.

P - \$

R - #

I - @

N - *

T - !

E - &

R - #

So, the code for INTERPRETER is -

I - @

N - *

T - !

E - &

R - #

P - \$

R - #

E - &

T - !

E - &

R - #

Hence, option A is correct.

55. Shimla Agreement 1972 was signed by :

(A) Foreign Ministers of India and Pakistan

(B) Indira Gandhi and Zulfikar Ali Bhutto

(C) Indira Gandhi and Benazir Bhutto

(D) Atal Bihari Vajpayee and Pervez Musharraf.

A. (C)

B. (B)

C. (D)

D. (A)

Ans. B

Sol.

• **Simla agreement was signed in**

1972 between Indira Gandhi and Pakistani president Zulfikar ali Bhutto.

• It ended the indo-pak war 1971 and followed by end of Bangladesh Liberation war in 1971.

• The agreement was ratified by the Parliaments of both the nations in the same year.

56. What is the length of diagonal, if area of a rectangle is 168 cm^2 and breadth is 7 cm ?

(A) 24 cm

(B) 15 cm

(C) 17 cm

(D) 25 cm

A. (B)

B. (C)

C. (D)

D. (A)

Ans. C

Sol.

Area = $L \times B$

$168 = L \times 7$

$L = 24$

diagonal = $\sqrt{24^2 + 7^2}$

57. The richest source of vitamin D from food is

(A) Cotton seed oil

(B) Olive oil

(C) Cod liver oil

(D) Sunflower oil

A. (A)

B. (C)

C. (D)

D. (B)

Ans. B

Sol.

• **People get vitamin D through food and by exposure to sunlight.**

• Salmon, Cod Liver Oil, Canned Tuna, Oysters, Shrimp, Egg yolks etc are rich sources of Vitamin D.

• Vitamin D deficiency can lead to a loss of bone density, which can contribute to osteoporosis and fractures.

58. A shopkeeper purchased 10 boxes of pencils containing 10 pencils each at 100 per box and sold each pencil at a profit 12%. What is the total sale price?

(A) 1100

(B) 1120

(C) 1200

(D) 1210

A. (B)

B. (C)

C. (D)

D. (A)

Ans. A

Sol.

Each box will be sold at = 112×100

$/100 = 112$

and 10 boxes will be sold at 1120.

59. Statement followed by some conclusions are given below-

Statements :-

1) Some football players are cricketers

2) All hockey players love football though some are cricketers

Conclusions :-

I. Some hockey players who are cricketers play football to.

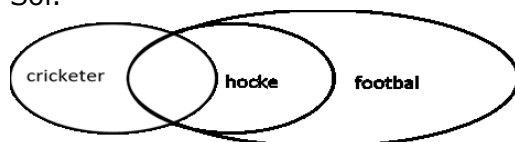
II. There is at the most one cricketer who plays football and hockey

Find which of the given conclusions logically follows from the given statements-

- (A) Only conclusion I follow
- (B) Only conclusion II follows
- (C) Both I and II follow
- (D) Neither I nor II follow

- A. (D)
- B. (B)
- C. (C)
- D. (A)

Ans. D
Sol.



Conclusions :-

I. Some hockey players who are cricketers play football to. -(true) shown in the above figure.

II. There is at the most one cricketer who plays football and hockey -(false)
Hence, option D is correct.

60. From the following former Prime Ministers, whose name can be found on Indian currency notes?

- (A) Atal Bihari Vajpayee
- (B) Indira Gandhi
- (C) Dr. Manmohan Singh
- (D) Narsimha Rao

- A. (B)
- B. (A)
- C. (D)
- D. (C)

Ans. D
Sol.

- Currency notes doesn't carry the signature of Prime Minister but it carries the sign of RBI governor.
- From the above options, the name of Manmohan singh can be seen on currency note because before Prime Minister he served as Rbi governor.
- **Manmohan singh** became 15th RBI governor and served RBI from 1982 to 1985.

61. In a certain code, if GREAT is coded as JOEJK then ZEBRA is coded as

- (A) BCBRA
- (B) BCBAR

- (C) CBBRA
- (D) CBBAR

- A. (A)
- B. (B)
- C. (C)
- D. (D)

Ans. D

Sol.

G (+3) J

R (-3) O

E -- E

A (+9) J

T (-9) K

Similarly,

Z (+3) C

E (-3) B

B -- B

R (+9) A

A (-9) R

Hence, the correct response is option D.

62. A company recruits candidates satisfying the following criteria-

- 1) Candidate who secured at least 85% in standard 10th or equivalent
- 2) Candidates who secured at least 65% in standard 12th or equivalent
- 3) Candidates who are not from commerce background who among the following candidates will the company definitely select?

(A) Jitesh is a science student having 70% in standard 12th and 80% in

10th with an excellent sports background

(B) Ritesh scored 80% in standard 12th, 90% in standard 10th and secured 2nd place on his college among all

commerce students

(C) Jayesh scored 75% in standard 10th, 75% in standard 12th and is an arts

students
(D) Jigesh secured 80% in standard 12th, 88% in standard 10th and is a science student with great acting skills.

A. (C)

B. (D)

C. (B)

D. (A)

Ans. B

Sol.

(A) Jitesh is a science student having 70% in standard 12th and 80% in

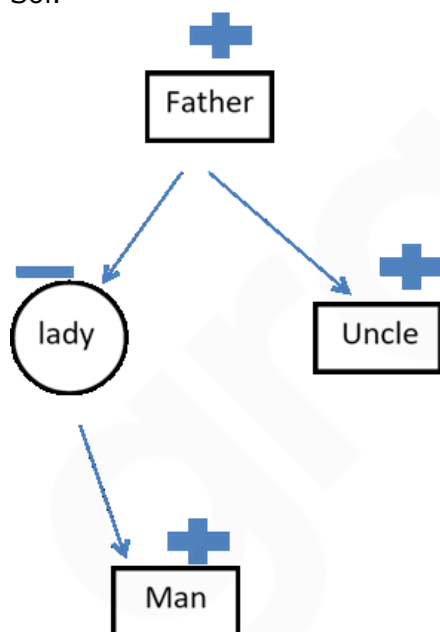
10th with an excellent sports background
- not selected

(B) Ritesh scored 80% in standard 12th, 90% in standard 10th and secured 2nd place on his college among all commerce students – not selected
 (C) Jayesh scored 75% in standard 10th, 75% in standard 12th and is an arts students – not selected
 (D) Jigesh secured 80% in standard 12th, 88% in standard 10th and is a science student with great acting skills. – Following all the criteria

63. A man introduces a lady as the daughter of the father of his uncle. His uncle has only one sibling. The lady is the man's-

- (A) Mother
- (B) Paternal Aunt
- (C) Sister
- (D) Daughter

A. (A)
 B. (B)
 C. (D)
 D. (C)
 Ans. D
 Sol.



The lady is the man's mother as it is clearly shown in the diagram. Hence, option A is correct.

64. Which of the following is appropriate to describe a shooting star?

- (A) Star

- (B) Planet
- (C) Fragments and debris
- (D) Asteroid

- A. (D)
- B. (C)
- C. (A)
- D. (B)

Ans. B
 Sol.

• A **shooting star** is really a small piece of rock or dust or debris that hits Earth's atmosphere from space.

• It looks like a quick picture of star but it is not so.

• They are basically the meteors which gets heated up and glows as it moves thorough the atmosphere.

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

- (A) Worst : Maximum
- (B) Happy : Gay
- (C) First : Second
- (D) Sad : Angry

- A. (D)
- B. (A)
- C. (C)
- D. (B)

Ans. B
 Sol.

The words are of opposite pairs.

Minimum and maximum are opposite to each other.

Similarly, Worst and best are opposite to each other.

66. Rupee 5 and 10 coins are now made of :

- (A) Ferritic stainless steel
- (B) Silver and steel
- (C) Copper nickel alloy
- (D) Copper and brass

- A. (C)
- B. (B)
- C. (D)
- D. (A)

Ans. A
 Sol.

• **Rupee 5 and 10 coins are now made of copper nickel alloy.**

• New 5 and 10 rs coins weight 6.74 gms and 7.74 gms respectively.

- The inner ring of 10 rs coin will be made of nickel silver, which will contain 65 per cent copper, 15 per cent zinc and 20 per cent nickel.

67. Money can be transferred using mobile phones through the service called:

- (A) NEFT
- (B) ECS
- (C) IMPS
- (D) RTGS

- A. (B)
- B. (A)
- C. (C)
- D. (D)

Ans. C

Sol.

• **Immediate Payment Service is an instant payment inter-bank electronic fund transfer system though mobiles.**

- Unlike [NEFT](#) and [RTGS](#), the service is available 24/7 throughout the year including bank holidays.

- It is managed by the [National Payments Corporation of India \(NPCI\)](#).

68. National space society gave the 2015 space pioneer award to

- (A) Myswamy Annadurai, Head of mars orbiter program team
- (B) ISRO's mars orbiter programme team
- (C) Mangalyaan
- (D) K. Radhakrishnan

- A. (A)
- B. (D)
- C. (B)
- D. (C)

Ans. C

Sol.

• **Indian Space Research Organisation has won the 2015 space pioneer award for science and technology.**

- The award is presented by United States Space Society for Accomplishing the Mars Mission in its very first attempt.

69. $(a - b)^2 + 2ab = ?$

- (A) $a^2 - b^2$
- (B) $a^2 + b^2$

(C) $a^2 - 4ab + b^2$

(D) $a^2 - 2ab + b^2$

- A. (A)
- B. (D)
- C. (C)
- D. (B)

Ans. D

Sol.

$$a^2 + b^2 - 2ab + 2ab = a^2 + b^2$$

70. Air pollution level is considered to be moderate if air quality index between.

- (A) 0 to 50
- (B) 51 to 100
- (C) 101 to 150
- (D) 151 to 200

- A. (C)
- B. (D)
- C. (A)
- D. (B)

Ans. B

Sol.

The indications of various indicators of air quality index are-

- 0-50-Good-Green colour
- 51-100-Moderate-Yellow colour
- 101-150-Unhealthy for sensitive groups- Orange colour
- 151-200-Unhealthy- Red
- 201-300-Very unhealthy-Purple
- 300-500-Hazardous-Maroon

71. Find the greatest common factor of 280 and 144.

- (A) 2
- (B) 8
- (C) 6
- (D) 4

- A. (C)
- B. (B)
- C. (D)
- D. (A)

Ans. B

Sol.

$$280 = 2^3 \times 5 \times 7$$

$$144 = 2^4 \times 3^2$$

$$H.C.F = 2^3 = 8$$

72. Looking at a portrait, Advaita said, "Anirudh is the father of my grandmother's daughter's niece. My grandfather had only two kids". How is Anirudh related to Advaita?

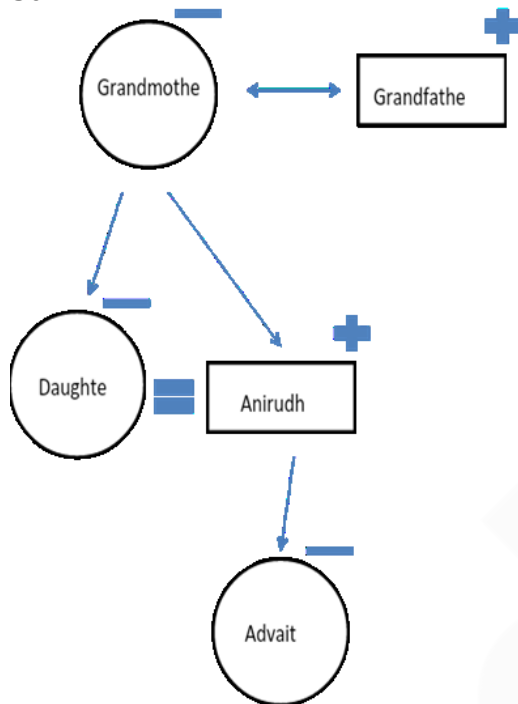
- (A) Brother-sister
- (B) Husband-Wife

- (C) Maternal uncle-Niece
(D) Father-Daughter

A. (B)
B. (C)
C. (A)
D. (D)

Ans. D

Sol.



From the diagram, it is clear that anirudh is the father of advaita. Hence, option D is correct.

73. Minimum distance of clear vision for normal?

- (A) 15 cm
(B) 20 cm
(C) 25 cm
(D) 30 cm

A. (D)
B. (A)
C. (C)
D. (B)

Ans. C

Sol.

• **Minimum distance of clear vision for normal eyes is 25 centimeters.**

• The minimum distance, at which objects can be seen most distinctly without any strain, is called the near point of human eye.

• The distant clear vision for normal eyes is considered as infinite.

74. Find the missing (?) in the series?

TUS, QRP, ?, KLJ, HIG

- (A) ONM
(B) MNO
(C) NOM
(D) MON

A. (D)
B. (C)
C. (A)
D. (B)

Ans. B

Sol.

1st letter - T (-3) Q (-3) N (-3) K (-3) H

2nd letter - U (-3) R (-3) O (-3) L (-3) I

3rd letter - S (-3) P (-3) M (-3) J (-3) G

Therefore, the correct option is B.

75. Which of the following is in ascending order?

(A) $\frac{2}{3}, \frac{3}{4}, \frac{4}{5}, \frac{1}{2}$

(B) $\frac{3}{4}, \frac{4}{5}, \frac{1}{2}, \frac{2}{3}$

(C) $\frac{1}{2}, \frac{2}{3}, \frac{3}{4}, \frac{4}{5}$

(D) $\frac{4}{5}, \frac{1}{2}, \frac{2}{3}, \frac{3}{4}$

A. (A)
B. (B)
C. (D)
D. (C)

Ans. D

Sol.

. L.C.M of the denominator = 60

$\frac{1}{2} = \frac{30}{60}$

$\frac{3}{4} = \frac{45}{60}$

$\frac{2}{3} = \frac{40}{60}$

$\frac{4}{5} = \frac{48}{60}$

therefore C is correct

76. Thar desert is in-

- (A) Madhya Pradesh
(B) Rajasthan
(C) Gujarat
(D) Uttarakhand

A. (C)
B. (D)
C. (A)
D. (B)

Ans. B

Sol.

• **Thar desert is a desert in Indian Subcontinent lies in India and Pakistan** with an area of more than 200000 square kilometres.

• The desert lies in the state of [Rajasthan](#), and extends into [Sindh](#), [Gujarat](#), [Punjab](#), and [Haryana](#).

• Major part of it lies in Rajasthan.

77. The origin of the tantric yogini cult is believed to be from-

- (A) Uttar Pradesh
- (B) Bihar
- (C) Odisha
- (D) Rajasthan

A. (B)

B. (D)

C. (C)

D. (A)

Ans. C

Sol.

• **Tantric yogini cult is believed to be from Odisha.** And also in some parts of Madhya Pradesh.

• The temples of the Chausath (64) Yoginis, are strewn across the heart of India, in Madhya Pradesh and Odisha. The most famous among them is located at Hirapur, near Bhubhaneshwar, Odisha.

• It is Tantric sects of Hinduism that evolved outside the main orthodox Brahmanical system.

78. A man walks at a speed of 3 kmph. He doubles his speed after reaching exactly half way. He walks for 5 hours in all. What is the total distance travelled by him?

- (A) 20km
- (B) 15 km
- (C) 12 km
- (D) 10 km

A. (C)

B. (D)

C. (B)

D. (A)

Ans. D

Sol.

.Let total distance be 2D.

He walks first D distance with 3kmph and the next D with 6kmph.

$$D/3 + D/6 = 5$$

$$D = 10, \text{ Total distance} = 20$$

79. The 'constitution day' of India is observed on.

- (A) 24th November
- (B) 25th November
- (C) 26th November
- (D) 27th November

A. (B)

B. (A)

C. (C)

D. (D)

Ans. C

Sol.

• **26th November is recognised as 'the constitutional day'.**

• On 26 November 1949, the Constituent Assembly of India adopted the Constitution of India, and it came into effect on 26 January 1950. That's why it is celebrated as constitutional day.

80. Indian armed forces conducted operation meghdoot at

- (A) Kargil
- (B) Srinagar
- (C) Siachen
- (D) Amritsar

A. (A)

B. (D)

C. (C)

D. (B)

Ans. C

Sol.

• **Operation meghdoot** was conducted to capture Siachen Glacier in Kashmir region.

• It was launched on 13 April, 1984 when the Indian Army and the Indian Air Force went into the Glacier.

• Siachen is the highest battlefield in world.

81. If $Q = 10$ and $FAX = 50$, then $XEROX = ?$

- (A) 45
- (B) 46
- (C) 49
- (D) 50

A. (A)

B. (D)

C. (B)

D. (C)

Ans. D

Sol.

Q = 10 (from the bottom)

FAX = 50 (sum of below number)

F = 21

A = 26

X = 3

So, the code for XEROX is -

X = 3

E = 22

R = 9

O = 12

X = 3

Xerox = 3 + 22 + 9 + 12 + 3 = 49

Option D is correct.

82. Read the information carefully and select the correct option-

Offer A : Buy one item for 1599 and get one free

Offer B : Buy one item for 999 and get another at 50 % discount

(A) A is cheaper and B is costlier

(B) A is costlier and B is cheaper

(C) Cost is same in both cases

(D) A and B are not comparable

A. (B)

B. (A)

C. (D)

D. (C)

Ans. A

Sol.

Total price paid by A = 1599

Total price paid by B = 999 + 999/2 = 1498.5

83. The members of the Rajya Sabha are elected by the-

(A) Members of legislative assemblies of states

(B) Members of the Lok Sabha

(C) By the people of India

(D) Members of the legislative council

A. (D)

B. (A)

C. (C)

D. (B)

Ans. B

Sol.

• The members of the Rajya Sabha are elected by the **members of legislative assemblies of states**. That's why rajya

sabha is also known as 'House of States'.

• The term of members of Rajya Sabha is 6 years and it is a permanent house and can't be dissolved.

• 12 members are nominated by President in Rajya Sabha.

84. Statements followed by some conclusions are given below.

Statements:

1) Some electricians are plumbers

2) All plumbers are mechanics

Conclusions :

I. Some mechanics are electricians or plumbers

II. Not all electricians are mechanics
Find which of the given conclusions logically follows

(A) Only conclusion I follows

(B) Only conclusion II follows

(C) Both I and II follows

(D) Neither I nor II follows

A. (A)

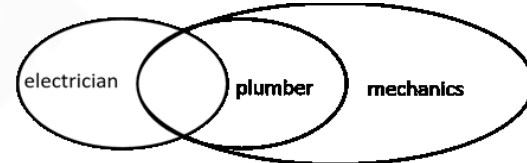
B. (D)

C. (C)

D. (B)

Ans. C

Sol.



Conclusion:

I. Some mechanics are electricians or plumbers. - (true) as shown in the diagram.

II. Not all electricians are mechanics. - (true) clearly mentioned in the diagram.
Hence, option C is correct response.

85. If the sum of digits is 9 and the difference between the digit in the ten's place and unit's place is 1. Then the two digit number is?

(A) 45

(B) 63

(C) 54

(D) 72

A. (D)

B. (C)

C. (A)

D. (B)

Ans. B

Sol.

$$.x + y = 9$$

$$x - y = 1$$

therefore $x = 5, y = 4$

86. A square ground is to be covered by Planting 100 saplings on each side. How many saplings are needed in all?

(A) 400

(B) 404

(C) 396

(D) 408

A. (A)

B. (D)

C. (B)

D. (C)

Ans. D

Sol.

.Saplings on each side = 100

then saplings on all four sides = $400 - 4$
= 396

All four saplings on the 4 corners are counted twice hence need to be subtracted.

87. Pressure is measured in terms of-

(A) Mass and density

(B) Work done'

(C) Force and area

(D) Force and distance

A. (C)

B. (B)

C. (D)

D. (A)

Ans. A

Sol.

• **Pressure is defined as Force per Unit area.**

• It's SI unit is Pascal.

• It is a scalar entity.

• Units such as the [centimetre of water](#) and [millimetre of mercury](#) are used to express pressures in terms of the height of [column of a particular fluid](#) in a manometer.

88. S and T can finish a work in 50 days. They worked together for 20 days and then left. How much of the work is left?

(A) 3/5

(B) 1/3

(C) 1/2

(D) 2/5

A. (C)

B. (D)

C. (B)

D. (A)

Ans. D

Sol.

.A 50 day work is worked on for 20 days.

So clearly 30 days of work is left , hence 3/5 of work is left.

89. You went to buy 3 articles worth 500 each. However. As per the discount sale going on in the shop, you paid for two and get one free. What is the discount percentage in the deal?

(A) 30 %

(B) 33 %

(C) 33.13 %

(D) 33.33 %

A. (A)

B. (C)

C. (B)

D. (D)

Ans. D

Sol.

.Price of three articles = $3 \times 500 = 1500$

Price actually paid = $2 \times 500 = 1000$

therefore discount = 500

% discount = $500 \times 100 / 1500 = 33.33\%$

90. Which instrument is used for viewing the sun?

(A) Stroboscope

(B) Telescope

(C) Helioscope

(D) Sun meter

A. (A)

B. (C)

C. (D)

D. (B)

Ans. B

Sol.

• **A helioscope** is an instrument used in observing the sun and sunspots. The *helioscope* was first used by Benedetto Castelli.

• **Telescope-** is an instrument used to see distant objects.

• **The SOLSEN SUN METER** measures instantaneous solar power.

• **A stroboscope** is an instrument used to make a cyclically moving object appear to be slow-moving, or stationary.

91. A polygon had 9 sides. What is its interior angle?

- (A) 140°
- (B) 100°
- (C) 120°
- (D) 40°

- A. (B)
- B. (A)
- C. (C)
- D. (D)

Ans. B

Sol.

.Interior angle of a polygon = $(n-2) \times 180/n$

$$7 \times 180/9 = 140$$

92. Four pairs of words are given. Find the odd one out-

- (A) 5th June : World environment day
- (B) 22nd April : Earth day
- (C) 22nd March : World water day
- (D) 22nd May : World sparrow day

- A. (B)
- B. (A)
- C. (C)
- D. (D)

Ans. D

Sol.

World environment day is celebrated on 5th June.

Earth day is celebrated on 22nd april.

World water day is on 22 march.

But world sparrow day is on 20th march.

Hence, option D is different.

93. The smell that we get when LPG cylinder leaks is due to the presence of-

- (A) Nitrogen peroxide
- (B) Carbon monoxide
- (C) Sulphur compound
- (D) Carbon dioxide

- A. (A)
- B. (D)
- C. (C)
- D. (B)

Ans. C

Sol.

• The smell of leakage of LPG leak is due to presence of **Ethyl Mercaptane**, which is basically a sulphur compound.

• Ethyl Mercaptan is added to the gas, which possesses that strong odour of rotten cabbages.

• Liquefied Petroleum Gas contains propane, propylene, butane, and butylene in a number of mixtures. It is completely odourless.

94. How many 6's are there in the following sequence that are immediately preceded by 3 but not immediately followed by 0?

3 6 9 0 6 9 3 6 9 3 6 6 3 6 0 6 3 3 6 0

- (A) 8
- (B) 3
- (C) 5
- (D) 6

- A. (A)
- B. (C)
- C. (B)
- D. (D)

Ans. C

Sol.

Following 6's are - 369, 369, 366

Hence, the correct option is C.

95. Swachh Bharat Mission is to

- (A) Levy Swachh Bharat cess and earn revenue
- (B) Make celebrities clean the roads
- (C) Achieve clean and healthy India
- (D) Dispose off waste material

- A. (C)
- B. (B)
- C. (D)
- D. (A)

Ans. A

Sol.

• **Swachh Bharat Mission** is a nation-wide campaign to achieve clean and healthy India.

• It targeted cleanliness, open defecation, sanitation etc for a period of 2014-2019.

• The mission aims to achieve an "open-defecation free" (ODF) India by 2nd October 2019, the 150th anniversary of the birth of [Mahatma Gandhi](#),

96. Rearrange the jumbled letters to make a meaningful word and then select the one which is different?

- (A) DRE
- (B) LUBE

(C) GROANE
(D) KNIP

A. (B) B. (A)
C. (C) D. (D)

Ans. C
Sol.

A. RED
B. BLUE
C. ORANGE
D. PINK

Option C is a color as well as a fruit
Hence, the correct option is C.

97. Which of the following does not belong to the group?

(A) UNIX
(B) MS-DOS
(C) WINDOWS
(D) FIREWALL

A. (C)
B. (D)
C. (A)
D. (B)

Ans. B
Sol.

• **Unix, Ms-Dos and Windows** are operating systems while firewall is a network security system that monitors and controls incoming and outgoing network traffic.

• Unix is an operating system developed in 1970s while Ms DOS is an operating system for x86-based personal computers mostly developed by Microsoft.

• Windows is a Microsoft operating system which we generally use in our computers.

98. India's livestock disease monitoring and forecasting system is named as-

(A) Cattle safety laboratory
(B) Animal safety laboratory
(C) Biosafety laboratory
(D) Cattle Monitoring laboratory

A. (D)
B. (A)
C. (C)
D. (B)

Ans. C
Sol.

• The country's livestock disease monitoring and forecasting system has received a boost with the setting up of the state-of-the art **Biosafety**

Laboratory in Bengaluru to take up detailed studies into disease-causing organisms in 2015.

• The lab, set up by the National Institute of Veterinary Epidemiology and Disease Informatics (NIVEDI).

99. Who advocated the introduction of western education and English language in India?

(A) Bal Gangadhar Tilak
(B) Raja Ram Mohan Roy
(C) Dadabhai Naoroji
(D) Gopal Krishna Gokhale

A. (B) B. (A)
C. (C) D. (D)

Ans. B
Sol.

• **Raja Ram Mohan roy** advocated the introduction of western education and English Language in India. He is remembered as founder of Brahmo Samaj.

• He fought against Sati Pratha and it was finally banned by British act in 1829.

• Raja Ram mohan roy is known as "Father of the Indian Renaissance."

100. Car B is running twice as fast as car A. If car A covers a distance of 90 km

in $1\frac{1}{2}$ hrs. What is the speed of car B?

(A) 60 km/hr
(B) 90 km/hr
(C) 100 km/hr
(D) 120 km/hr

A. (C)
B. (D)
C. (B)
D. (A)

Ans. B
Sol.

Let speed of car A = s and B = 2s

$\frac{3}{2} * s = 90$

s = 60

thus, speed of B = 2s = 120

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