

# RRB NTPC

## Previous Years' Question Papers PDF



1. **Direction:** Consider the following information and answer the questions based on it.

In a group of 75 students, 12 like only cabbage, 15 like only cauliflower, 21 like carrot only, 12 students like carrot and cabbage both, 13 like only capsicum and 2 like both capsicum and cauliflower.

The difference between the students who like carrot and cauliflower is

(A) 6 (B) 18

(C) 16 (D) 4

A. (C)

B. (D)

C. (B)

D. (A)

Ans. A

Sol.

Number of students who like carrot = 21 + 12 = 33

Number of students who like cauliflower = 15 + 2 = 17

Required difference = 33 - 17 = 16

2. How many students like only one vegetables?

(A) 60 (B) 61

(C) 65 (D) 71

A. (B)

B. (C)

C. (D)

D. (A)

Ans. A

Sol.

Number of students who like only one vegetable = 12 + 15 + 21 + 13 = 61

3. What is the percentage of students that do not like cabbage?

(A) 16 (B) 32

(C) 24 (D) 68

A. (C)

B. (D)

C. (B)

D. (A)

Ans. B

Sol.

Total number of students = 75

Number of students who like cabbage = 12 + 12 = 24

Number of students who don't like cabbage = 75 - 24 = 51

the percentage of students that do not like cabbage =  $51/75 \times 100 = 68\%$

4. The product of two numbers is 24 and the sum of their squares is 52. Find their sum.

(A) 5 (B) 10

(C) 15 (D) 20

A. (B)

B. (A)

C. (C)

D. (D)

Ans. A

Sol.

Let the two numbers be x and y

$xy = 24$

$2xy = 48$

$x^2 + y^2 = 52$

$(x + y)^2 = x^2 + y^2 + 2xy = 52 + 48 = 100$

$x + y = 10$

5.

$2\cos\left(\theta - \frac{\pi}{2}\right) + 3\sin\left(\theta + \frac{\pi}{2}\right) - (3\sin\theta + 2\cos\theta) =$   
?

(A)  $\cos\theta - \sin\theta$  (B)  $\sin\theta - \cos\theta$

(C)  $\sin\theta + \cos\theta$  (D)  $\cot\theta - \tan\theta$

A. (A)

B. (B)

C. (D)

D. (C)

Ans. A

Sol.

$2\cos\left(\theta - \frac{\pi}{2}\right) + 3\sin\left(\theta + \frac{\pi}{2}\right) - (3\sin\theta + 2\cos\theta)$

$= 2\sin\theta + 3\cos\theta - 3\sin\theta - 2\cos\theta$

$= \cos\theta - \sin\theta$

6. Tashkent Declaration followed Indo-Pak war of

(A) 1947 (B) 1965

(C) 1971 (D) 1999

A. (B)

B. (D)

C. (A)

D. (C)

Ans. A

Sol.

\* **The Tashkent Declaration was a peace agreement between India and Pakistan signed in 1965.** (actually effectively in 1966).

\* It was signed between Lal Bahadur Shastri, the Prime Minister of India and Muhammad Ayub Khan, the President of Pakistan to resolve the war between India and Pakistan in 1965.

\* After signing the agreement, Indian Prime Minister Lal Bahadur Shastri died mysteriously in Tashkent.

7. **Direction:** Consider the following information and answer questions based on it.

P, Q, R, S are four friends who pursue teaching, law, banking, cooking and own red, blue, white and yellow house, in a random order. An individual owns only one house and pursues only one profession

I. P owns a red house and is not a banker

II. The owner of blue house is a lawyer

III. The colour of S's house is neither yellow nor white

IV. R is a teacher

Q is a

(A) Lawyer (B) Banker

(C) Cook (D) Teacher

A. (C)

B. (D)

C. (B)

D. (A)

Ans. C

Sol.

Friends	professions	house color
P	Cook	Red
Q	Banker	yellow/white
R	Teacher	yellow/white
S	Lawyer	Blue

Q is a banker.

Option C is correct.

8. White house is owned by

(A) Q

(B) R

(C) S

(D) Cannot be determined

A. (C)

B. (D)

C. (B)

D. (A)

Ans. B

Sol.

Friends	professions	house color
P	Cook	Red
Q	Banker	yellow/white
R	Teacher	yellow/white
S	Lawyer	Blue

It is not clearly mention who owns the white house.

Therefore, it can't be determined.

Hence, the correct answer is option B.

9. The owner of the blue house is

(A) S

(B) R

(C) Q

(D) Cannot be determined

A. (C)

B. (B)

C. (D)

D. (A)

Ans. D

Sol.

Friends	professions	house color
P	Cook	Red
Q	Banker	yellow/white
R	Teacher	yellow/white
S	Lawyer	Blue

Blue house is owned by S.

Option D is correct.

10. Which country won the U-19 World Cup Cricket 2016?

(A) India (B) Sri Lanka

(C) West Indies (D) Bangladesh

A. (A)

B. (D)

C. (C)

D. (B)

Ans. C

Sol.

\* **West Indies won the U 19 World cup Cricket 2016.**

\* India has won the World Cup four times, which is the highest amongst all teams.

\* U 19 World cup Cricket 2018 is won again by India.

\* The 2018 Under-19 Cricket World Cup was held in New Zealand. India and Australia played in the finals at Mount Maunganui on Feb 3 2018.

11. An article was sold for Rs. 3,600 at a discount of 10%. Find the selling price if the discount was 15%.

(A) Rs. 3,600 (B) Rs. 4,000

(C) Rs. 3,800 (D) Rs. 3,400

A. (C)

B. (A)

C. (B)

D. (D)

Ans. D

Sol.

SP = rs. 3600

Discount = 10 %

SP = (100 - 10)% of MRP = (100 - 10)% of MRP

MRP =  $3600 \times \frac{100}{90}$  = Rs. 4000

New selling price at 15% discount =  
(100-15)% of 4000 =  $4000 \times \frac{85}{100}$  =  
Rs. 3400

12. ICT is the common abbreviation of  
(A) International Communication Technology

(B) Intelligent Communication Technology

(C) Inter-state Communication Technology

(D) Information and Communication Technology

A. (C)

B. (B)

C. (D)

D. (A)

Ans. C

Sol.

\* **The extension of ICT is Information and Communication technology.**

\* Information and communications technology (ICT) is an extensional term for information technology (IT) that stresses the role of unified communications.

\* India has been ranked 138<sup>th</sup> in the 2016 ICT Development Index out of a total of 175 countries. In 2015 India scored 135<sup>th</sup> Position.

13. S can finish 50% of a work in a day. T can do 25% of the work in a day. Both of them together will finish the work in \_\_\_\_\_ days.

(A) 2.66 (B) 2.33

(C) 1.33 (D) 1.67

A. (D)

B. (B)

C. (C)

D. (A)

Ans. C

Sol.

Given, work done by S in a day = 50%  
and by T in one day = 25%

Then, work done by S + T = 75 % =  $\frac{3}{4}$

Time taken by S + T to complete the  
whole work =  $\frac{4}{3}$  days = 1.33 days

14. Statements followed by some  
Conclusions are given below:  
Statements :

I. The God distributed time equally  
among mankind but not the wealth

II. But the God compensated it by giving  
knowledge easily.

Conclusions :

I. The God did not do justice by not  
distributing wealth equally among  
mankind.

II. In order to utilise money wisely one  
should use knowledge.

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

(A) Only Conclusion I follows

(B) Only conclusion II follows

(C) Both I and II follow

(D) Neither I nor II follows

A. (C)

B. (D)

C. (A)

D. (B)

Ans. D

Sol.

None of the conclusions follows from the  
given statements.

15. Gunpowder mainly contains

(A) Calcium sulphate

(B) Potassium nitrate

(C) Lead sulphide

(D) Zinc sulphide

A. (D)

B. (B)

C. (A)

D. (C)

Ans. B

Sol.

\* **Gunpowder is also recognised as  
black powder.**

\* It is a mixture of Sulphur, Charcoal  
and Potassium nitrate. The Potassium  
nitrate is oxidiser while Sulphur and  
charcoal are fuel.

\* It has wide applications in fields of  
Mining, Road construction, Fireworks,  
Rockets etc.

\* Gunpowder was invented in 9th-  
century China and spread throughout  
most parts of Eurasia by the end of the  
13th century

16.  $9876 - ? + 5431 = 5553$

(A) 9754 (B) 9765

(C) 8754 (D) 9854

A. (B)

B. (C)

C. (D)

D. (A)

Ans. D

Sol.

$9876 - ? + 5431 = 5553$

$$? = 9876 + 5431 - 5553$$

$$? = 9754$$

17. A human adult's entire digestive tract from mouth to anus is about \_\_\_\_ metres long.

(A) 8 (B) 7

(C) 10 (D) 9

A. (D)

B. (B)

C. (A)

D. (C)

Ans. A

Sol.

\* **An adult's digestive tract is about 30 feet (about 9 meters) long.**

\* The alimentary canal is the long tube of organs — including the esophagus, stomach, and intestines — that runs from the mouth to the anus.

\* The digestive tract is known as gastrointestinal tract.

18. Stainless steel is

(A) A compound (B) A mixture

(C) An element (D) An alloy

A. (B)

B. (A)

C. (D)

D. (C)

Ans. C

Sol.

\* **Stainless steel is basically a alloy with aluminium, Chromium and Carbon as elements.**

\* It is corrosion resistant which also increases with increase in chromium content.

\* Stainless Steel has wide applications like in field of Architecture, Locomotion, Medicine, Energy sector etc.

19. What will come in place of the question mark?

82, 70, 76, 64, 70, 58, ?

(A) 52 (B) 76

(C) 64 (D) 48

A. (B)

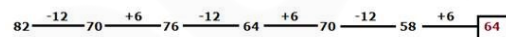
B. (D)

C. (A)

D. (C)

Ans. D

Sol.



Option D is correct response.

20. A person, who has no brother or sister, pointing to a photo said, "This boy is the son of my father." Who is in the photograph?

(A) The son of that person

(B) The father of that person

(C) The person himself

(D) The grandfather of that person

A. (A)

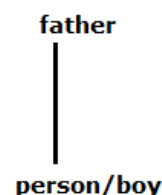
B. (B)

C. (D)

D. (C)

Ans. D

Sol.





As he has no sibling that means the boy in the photo is the person himself.

Option D is correct.

21. Bangladesh has a land border with

(A) Only India

(B) India and Myanmar

(C) India and Bhutan

(D) India and China

A. (B)

B. (D)

C. (A)

D. (C)

Ans. A

Sol.

\* **Bangladesh share border with both India and Myanmar.**

\* The Bangladesh-Myanmar border is 170 miles while Bangladesh and India share a 4,156 km (2,582 mi)-long international border.

\* It is world's fifth longest land border, Bangladesh share border with Assam, Tripura, Mizoram, Meghalaya and West Bengal.

22. The HCF of two numbers is 4 and the two other factors of LCM are 5 and 7. Find the smaller of the two numbers.

(A) 10 (B) 14

(C) 20 (D) 28

A. (C)

B. (D)

C. (A)

D. (B)

Ans. A

Sol.

Let the two numbers be  $4x$  and  $4y$

$$\text{LCM} = 4 \times 5 \times 7$$

Since  $x$  and  $y$  are coprime numbers

$$x = 5 \text{ and } y = 7$$

$$\text{smaller number} = 4 \times 5 = 20$$

23. Find the mean of the values :

1, 9, 7, 3, 5, 5, 6, 4, 2, 8, \_\_\_\_.

(A) 3 (B) 4

(C) 5 (D) 6

A. (A)

B. (B)

C. (C)

D. (D)

Ans. C

Sol.

$$\text{Mean} = (1+9+7+3+5+5+6+4+2+8)/10 = 50/10 = 5$$

24. Rajya Sabha is also known as

(A) Legislative Council

(B) Senior House

(C) Upper House

(D) Lower House

A. (C)

B. (D)

C. (A)

D. (B)

Ans. A

Sol.

\* **Rajya sabha is also known as Upper House or Council Of States.**

\* It currently has a maximum membership of 245 and its maximum strength can be 252.

\* In Rajya Sabha, 12 members are nominated by President of India from fields of Art, Social service, Literature and Science.

\* It is a permanent house and can't be dissolved and every one third members are elected every two years.

25. Rearrange the jumbled letters to make meaningful words and then select the one which is different

- (A) DOGL (B) TSEVO  
(C) ENZROB (D) LVREIS

- A. (B)  
B. (C)

- C. (D)  
D. (A)

Ans. A  
Sol.  
After rearranging-

- a. GOLD  
b. O  
c. BRONZE  
d. SILVER

Option A is odd one out.

26. If the mathematical operator ' $\div$ ' means ' $\times$ ', ' $+$ ' means ' $-$ ', ' $\times$ ' means ' $+$ ' and ' $-$ ' means ' $\div$ ', then  $25 + 18 - 3 \times 7 \div 3 = ?$

- (A) 25 (B) 21  
(C) 19 (D) 40

- A. (D)  
B. (A)

- C. (B)  
D. (C)

Ans. A  
Sol.

symbol	$\div$	$-$	$\times$	$+$
meaning	$\times$	$\div$	$+$	$-$

After changing the symbols,

$25 - 18 \div 3 + 7 \times 3$  (applying BODMAS)

$$\Rightarrow 25 - 6 + 21$$

$$\Rightarrow 46 - 6$$

$$\Rightarrow 40$$

Option A is correct.

27. 'Khajuraho' group of monuments can be found in

- (A) Maharashtra  
(B) Bihar  
(C) Madhya Pradesh  
(D) Gujarat

- A. (C)  
B. (B)

- C. (D)  
D. (A)

Ans. A  
Sol.

\* **Khajuraho group of monuments are located in Madhya Pradesh.**

\* Built between 950-1050 AD by the Chandela Dynasty, these temples depict various forms like meditation, spiritual teachings, kinship, wrestling etc.

\* It is recognised as UNESCO World Heritage.

28. Project Loon is a search engine project by \_\_\_\_ for providing internet access to rural and remote areas using high-altitude helium-filled balloons.

- (A) Google (B) Microsoft



(C) Apple (D) Yahoo

A. (A)

B. (B)

C. (D)

D. (C)

Ans. A

Sol.

\* **Project Loon** is a search engine project by Google for providing internet access to rural and remote areas using high-altitude helium-filled balloons.

\* It aim to develop an aerial wireless network with upto 4G LTE speeds.

\* Project Loon began as a research and development project by Google X, but later spun out into a separate company in July 2018.

29.Capital of Nagaland is

(A) Dimapur (B) Kohima

(C) Mokokchung (D) Tezpur

A. (C)

B. (D)

C. (A)

D. (B)

Ans. D

Sol.

\* **Kohima is the capital of Nagaland. While Dimapur is the largest city here.**

\* Angami, Ao, Chakhesang, Chang, Kachari, Khiamniungan, Konyak, Kuki, Lotha, Phom, Pochury, Rengma, Sangtam etc are major tribes of Nagaland.

\* Nagaland became the 16th state of India on 1 December 1963. English is the official language of the state.

30.A man covers 1 km, in 10 minutes.

What is his speed in kmph?

(A) 1.33 (B) 1.25

(C) 1.67 (D) 6.00

A. (D)

B. (C)

C. (B)

D. (A)

Ans. A

Sol.

Speed = distance (in km)/ time (in hrs)  
=  $1/(10/60) = 6\text{km/hr}$

31.CBDA, GFHE, KJLI, ?

(A) NOPM (B) MNOP

(C) PMNO (D) ONPM

A. (C)

B. (A)

C. (B)

D. (D)

Ans. D

Sol.

1st letter : C  $\xrightarrow{+4}$  G  $\xrightarrow{+4}$  K  $\xrightarrow{+4}$  O

2nd letter : B  $\xrightarrow{+4}$  F  $\xrightarrow{+4}$  J  $\xrightarrow{+4}$  N

3rd letter : D  $\xrightarrow{+4}$  H  $\xrightarrow{+4}$  L  $\xrightarrow{+4}$  P

4th letter : A  $\xrightarrow{+4}$  E  $\xrightarrow{+4}$  I  $\xrightarrow{+4}$  M

Option D is correct.

32.A man deposits Rs. 500 at the beginning of each year for 2 years at 10% per annum compound annually.

Find the maturity value at the end of the 2<sup>nd</sup> year

(A) Rs. 1,050 (B) Rs. 1,150

(C) Rs. 1,155 (D) Rs. 1,200

A. (B)

B. (C)

C. (D)

D. (A)

Ans. B

Sol.

Amount after 1 year =  $500 \times 11/10 = 550$

Amount after 2 years =  $(550 + 500) \times 11/10 = 1155$

33. At what percentage simple interest per annum a certain sum will double itself in 10 years?

(A) 7% (B) 8%

(C) 9% (D) 10%

A. (C)

B. (B)

C. (A)

D. (D)

Ans. D

Sol.

Let the principal be P

Since the sum will be doubled in 10 years

SI in 10 years = P

$PRT/100 = P$

$R \times 10 = 100$

$R = 10\%$

34. Find the fourth proportional to 3.6, 6.9 and 11.4

(A) 20.3 (B) 18.9

(C) 19.6 (D) 21.9

A. (D)

B. (A)

C. (B)

D. (C)

Ans. A

Sol.

Let the fourth proportional is x

$$\frac{3.6}{6.9} = \frac{11.4}{x}$$

$$x = 21.85$$

assuming the nearest possible answer the answer is option d

35. If the length (Lem) of rectangle and breadth (Bcm) be increased by 25% each, find the difference between the new and original areas of the rectangle.

(A)  $\frac{3LB}{2}$  sq. cm (B)  $\frac{24LB}{9}$  sq. cm

(C)  $\frac{9LB}{16}$  sq. cm (D)  $\frac{16LB}{9}$  sq. cm

A. (B)

B. (A)

C. (C)

D. (D)

Ans. C

Sol.

Original area =  $L \times B = LB \text{ cm}^2$

New length =  $L + L/4 = 5L/4 \text{ cm}$

New breadth =  $B + B/4 = 5B/4 \text{ cm}$

New area =  $(5L/4) \times (5B/4) = (25/16)LB \text{ cm}^2$

Difference between new area and original area =  $(25/16)LB - LB = (9/16)LB \text{ cm}^2$

36. Two cars X and Y start at the same time in the same direction at 12 kmph and 16 kmph respectively. Find the distance between them after three minutes.

(A) 200 metres (B) 150 metres

(C) 180 metres (D) 120 metres

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

Ans. D  
Sol.

Car X travels in 3 minutes =  $12 \times (5/18)$   
 $\times 3 \times 60 = 600$  m

Car Y travels in 3 minutes =  $16 \times (5/18)$   
 $\times 3 \times 60 = 800$  m

Distance between car X and car Y =  $800 - 600 = 200$  m

37. What was the most important feature of the Indus Valley Civilization?

(A) Goods exchange system (Barter system)

(B) Local transportation system

(C) Brick-built buildings

(D) Administrative system

- A. (D)  
B. (A)

- C. (B)  
D. (C)

Ans. D  
Sol.

\* **The Indus Valley Civilization was an ancient civilization located in today's Pakistan and northwest India.** It existed 3000-2000 bc.

\* Mohenjodaro, Harappa, Lothal, Chandhundo etc are major sites of Indus Valley Civilization.

\* Main characteristics of this civilization are- Brick build buildings, proper drainage system, grid pattern architecture, division of lower and upper areas, great baths etc.

38. Find a pair opposite to 'In : out' from the following :

(A) Day : Night (B) Sun : Star

(C) Light : Dark (D) White : Black

- A. (C)  
B. (B)

- C. (D)  
D. (A)

Ans. B  
Sol.

In and out are the pairs of opposite words, the only pair which is not following that rule is (Sun: star).

39. Euro is the currency of

(A) United Kingdom

(B) Sweden

(C) Euro Zone

(D) Denmark

- A. (C)  
B. (D)

- C. (A)  
D. (B)

Ans. A  
Sol.

\* **Euro is currency of Euro Zone which is popularly known as European Union which consists of 28 European countries.**

\* After USA Dollar, it is the second-largest and second-most traded currency in the foreign exchange market.

\* The euro is managed and administered by the Frankfurt-based European Central Bank (ECB) and the Eurosystem.

40. E is the daughter of P who is the husband of the only daughter-in-law of K. How is E relates to K?

(A) Daughter (B) Granddaughter

(C) Grandmother (D) Mother

A. (D)

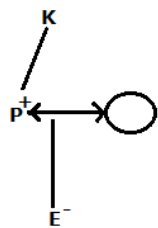
B. (A)

C. (C)

D. (B)

Ans. D

Sol.



E is the granddaughter of K.

Hence, option D is correct.

41. Contemporary : Historic :: \_\_\_\_ :

Ancient

(A) Past (B) Classic

(C) Modern (D) Future

A. (B)

B. (C)

C. (D)

D. (A)

Ans. B

Sol.

Just like contemporary is related to historic, modern is related to ancient.

Option B is correct.

42. Find a pair similar to 'Arrow : Bow' from the following :

(A) Football : Hand

(B) Salad : Knife

(C) Bullet : Rifle

(D) Smoke : Water

A. (C)

B. (B)

C. (A)

D. (D)

Ans. A

Sol.

Bow is used to shoot arrows.

Similarly, Rifle is used to shoot bullets.

Option A is correct.

43. The average ages of parents and two children are 30 years and 8 years respectively. The average age of the family is

(A) 16 years (B) 19 years

(C) 18 years (D) 17 years

A. (C)

B. (A)

C. (D)

D. (B)

Ans. D

Sol.

Total age of parents =  $30 \times 2 = 60$  years

Total age of two children =  $8 \times 2 = 16$  years

Average age of family =  $(60 + 16)/4 = 76/4 = 19$  years

44. Statue of Liberty is situated in

(A) Paris (B) Washington

(C) Geneva (D) New York

A. (C)

B. (D)

C. (A)

D. (B)

Ans. B

Sol.

\* **Statue of Liberty is located at New York, USA.**

\* This statue was the gift from French to American people and was designed by French sculptor Frederic Auguste Bartholdi.

\* The statue was dedicated on October 28, 1886.

\* It has been maintained by the National Park Service since 1933.

45. The technology developed to track enemy submarines in World War II was  
(A) RADAR (B) SONAR

(C) Echolocation (D) LIDAR

A. (D)

B. (A)

C. (B)

D. (C)

Ans. C

Sol.

\* **SONAR is Sound Navigation Ranging, is a technique developed to track enemy submarines in World War II.**

\* SONAR uses sound propagation to navigation, communication and detection of objects in oceans.

\* Two types of technology share the name "sonar": Passive sonar is essentially listening for the sound made by vessels; Active sonar is emitting pulses of sounds and listening for echoes.

46. Who was the founder of Swaraj Party?

(A) C. Rajagopalachari

(B) Motilal Nehru

(C) Lala Lajpat Rai

(D) Mahatma Gandhi

A. (D)

B. (A)

C. (B)

D. (C)

Ans. C

Sol.

\* **Motilal Nehru was among the founding father of Swaraj Party.**

\* It was founded in 1923 with Chittaranjan Das as its Secretary General and it was dissolved in 1925.

\* Swaraj Party was formed in India in January 1923 after the Gaya annual conference in December 1922 of the National Congress.

47. A trader bought a bag of 40 kg of basmati rice at Rs. 125 per kg and another bag of 60 kg at Rs. 150 per kg. He sold the entire stock at a profit of 20%. Find the selling price per kg.

(A) Rs. 152 (B) Rs. 158

(C) Rs. 168 (D) Rs. 172

A. (A)

B. (C)

C. (B)

D. (D)

Ans. B

Sol.

Cost price of 1 kg of basmati rice = Rs. 125

Cost price of 40 kg of basmati rice = Rs.  $125 \times 40 = \text{Rs. } 5000$

Cost price of 60 kg of another bag = Rs.  $60 \times 150 = \text{Rs. } 9000$

Total cost price of 100 kg = Rs. 5000 + Rs. 9000 = Rs. 14000

Profit = 20%

Selling price of 100 kg of rice = 120 %  
of CP =  $14000 \times 120/100 = \text{Rs. } 16800$

Selling price per Kg =  $16800/100 = \text{Rs. } 168$

48. The ratio of two numbers is 3 : 1 and their sum is 72. Find the difference between the numbers

(A) 24 (B) 36

(C) 32 (D) 28

A. (A)

B. (D)

C. (C)

D. (B)

Ans. D

Sol.

Let the numbers be  $3x$  and  $x$  respectively

According to question,

$$3x + x = 72$$

$$x = 18$$

So the difference between numbers =  $3x - x = 2x = 36$

49. Usually, colour blindness is

(A) A genetic disposition

(B) A non-genetic condition

(C) A lifestyle disease

(D) Caused by exposure to light

A. (A)

B. (D)

C. (B)

D. (C)

Ans. A

Sol.

\* **Colour blindness is a genetic disposition.**

\* Colour blindness is the decreased ability to see colour or differences in colour.

\* It is most commonly inherited from mutations on the X chromosome.

50. Infra-red rays are

(A) Longitudinal waves

(B) Transverse waves

(C) Mechanical waves

(D) Electromagnetic waves

A. (A)

B. (B)

C. (D)

D. (C)

Ans. C

Sol.

\* **Infrared are Electromagnetic radiations**, with long wavelengths than visible light.

\* Most of the thermal radiation emitted by objects near room temperature is infrared. These carry radiant energy and behaves both like a wave and like its quantum particle, the photon.

\* Infrared radiation was discovered in 1800 by astronomer Sir William Herschel.

51. What number should be deducted from 1265 to make it exactly divisible by 29?

(A) 15 (B) 16

(C) 18 (D) 17

A. (C)

B. (B)



- C. (D)  
D. (A)

Ans. A  
Sol.

We can write  $1265 = 43 \times 29 + 18$

So make the number divisible by 29 we have to subtract 18

52. Name the Chinese President who visited India in 2014.

(A) Xi Jinping (B) Hu Jintao

(C) Jiang Zemin (D) Li Xian Ning

- A. (D)  
B. (B)

- C. (C)  
D. (A)

Ans. D  
Sol.

**\* Xi Jinping visited India in September, 2014.**

\* Chinese President Xi Jinping was the first foreign dignitary to begin his India visit from Gujarat.

\* He arrived here for three days visit with his wife Peng Liyuan.

53. E and F together can do a work in 10 days. If E alone can do it in 30 days, F alone can do it in \_\_\_\_\_ days.

(A) 15 (B) 20

(C) 25 (D) 18

- A. (D)  
B. (C)

- C. (B)  
D. (A)

Ans. D  
Sol.

Let the total work be LCM of 10 and 30 = 30 units

Efficiency of E+F =  $30/10 = 3$  units / day

Efficiency of E =  $30/30 = 1$  unit/day

Efficiency of F =  $3-1 = 2$  units / day

Time taken by F to complete the work =  $30/2 = 15$  days

54. Which one is considered as India's first super computer?

(A) Aditya (B) Vikram-100

(C) Param 8000 (D) Shashtra T

- A. (A)  
B. (B)

- C. (D)  
D. (C)

Ans. D  
Sol.

**\* Param 8000 was the first super computer on India.**

\* Supercomputer PARAM 8000 made by the Centre for Development of Advanced Computing (C-DAC) was launched on July 1, 1991.

\* Pratyush, Mihir and InC1-Lenovo are three Indian supercomputers among top 500 supercomputers in world.

55. Replace # sign with the mathematical operators '+', '÷' and '-' and '=' to get a balanced equation out of  $(27 \# 15 \# 2) \# 10 \# 4$ . Choose the right sequence from below.

(A)  $+ \div = -$  (B)  $- + = \div$

(C)  $+ - \div =$  (D)  $+ = \div -$

- A. (C)  
B. (D)

- C. (A)  
D. (B)

Ans. A

Sol.

After replacing the # sign,

$$(27 + 15 - 2) \div 10 = 4 \text{ (BODMAS)}$$

$$(42 - 2) \div 10 = 4$$

$$40 \div 10 = 4$$

$$4 = 4$$

Hence, option A is correct.

56. The price of 12 kg of sugar is equal to that of 6 kg of rice. The price of 10 kg of sugar and 8 kg of rice is Rs. 1040.

Find the price of 1 kg of sugar

(A) Rs. 80 (B) Rs. 70

(C) Rs. 60 (D) Rs. 40

A. (C)

B. (A)

C. (D)

D. (B)

Ans. C

Sol.

Let the price of 1kg sugar and rice are x kg and y kg. Respectively.

According to question,  $12x = 6y$

$$2x = y \dots\dots\dots 1$$

$$\text{And } 10x + 8y = \text{Rs. } 1,040 \dots\dots\dots 2$$

From equation 1 and 2, we have

$$X = \text{Rs. } 40$$

57. The historic Conference of Parties (COP 21) 2015 on climate change was held in

(A) Geneva (B) Davos

(C) Paris (D) Bonn

A. (A)

B. (C)

C. (D)

D. (B)

Ans. B

Sol.

**\* The historic Conference of Parties (COP 21) 2015 on climate change took place from 30 November to 11 December 2015, in Paris, France.**

\* The COP 21 had adopted the historic Paris Agreement on Climate Change. It was adopted by 189 countries.

\* Controlling Green House Gas emissions, deciding National Determined Contributions from individual countries, maintaining global temp below 2 degree C etc are among the agreement.

58. The communication satellite launched by India in November 2015 is :

(A) IRNSS-6 (B) GSAT-15

(C) GSAT-16 (D) GSAT-1E

A. (D)

B. (A)

C. (C)

D. (B)

Ans. D

Sol.

**\* The communication satellite launched by India on 10 November 2015 was GSAT 15.**

\* It aim is to provide more bandwidth for Direct-to-Home television and VSAT services by augmenting the capacity of transponders.

\* The satellite carries 24 Ku band transponders and a GAGAN navigational payload operating in the L1 and L5 bands.

59. Which of the following is not related to this group?

(A) Panda global (B) Rabbit

(C) Avast (D) Kaspersky

A. (C)  
B. (D)

C. (B)  
D. (A)

Ans. C

Sol.

Except rabbit, all the others are antivirus.

Option C is correct.

60. The difference between the length and breadth of a rectangle is 6 metre. If its perimeter is 64 metre, then its area is :

(A) 256 sq. metre (B) 247 sq. metre

(C) 264 sq. metre (D) 238 sq. metre

A. (C)  
B. (A)

C. (D)  
D. (B)

Ans. D

Sol.

Let length and breadth of a rectangle are l and b respectively

According to question,  $l - b = 6$  meter.....(1)

Given is ,perimeter = 64 meter

$$2l + b = 64$$

$$l + b = 32 \dots\dots\dots(2)$$

From equation (1) & (2), we have

$$l = 19 \text{ \& } b = 13$$

Area of rectangle = lb

$$\text{Area} = 19 \times 13 = 247 \text{ sq. meter}$$

$$61. 99 \times 99 = ?$$

(A) 9791 (B) 9801

(C) 9881 (D) 9901

A. (A)  
B. (D)

C. (B)  
D. (C)

Ans. C

Sol.

$$99 \times 99 = (100 - 1) \times (100 - 1) = (100 - 1)^2$$

$$= 10000 + 1 - 200 = 9801$$

62. The sum of the ages of four children born at the intervals of 4 years is 48.

Find the age of the youngest child.

(A) 4 years (B) 5 years

(C) 6 years (D) 7 years

A. (A)  
B. (C)

C. (B)  
D. (D)

Ans. B

Sol.

Let the age of youngest child is x yr.

According to question,

$$x + x + 4 + x + 8 + x + 12 = 48$$

$$4x + 24 = 48$$

$$x = 6$$

So, age of youngest child is 6 yr.

63.

**Direction:** the following table represents the marks of four students in five subjects.

	Physics	Chemistry	Maths	History	Geography
Shyam	45	50	49	51	65
Sunil	60	55	60	59	61
Jagdish	35	41	39	30	45
Rajesh	50	55	51	57	62

Consider the information and answer questions based on it.

The difference between the total marks scored by Sunil and Jagdish is  
(A) 190 (B) 125

(C) 105 (D) 115

A. (D)  
B. (A)

C. (B)  
D. (C)

Ans. D

Sol.

Total scored marks by Sunil =295

Total scored marks by Jagdish=190

Difference=295-190=105

64. Who has the highest marks in History and Geography put together?  
(A) Shyam (B) Sunil

(C) Jagdish (D) Rajesh

A. (D)  
B. (B)

C. (C)  
D. (A)

Ans. B

Sol.

marks of Shyam in History and Geography=51+65=116

marks of Sunil in History and Geography=59+61=120

marks of Jagdish in History and Geography=30+45=75

marks of Rajesh in History and Geography=57+62=119

So, Sunil has highest marks in History and Geography.

65.

Who has the highest average marks?

(A) Shyam (B) Sunil

(C) Jagdish (D) Rajesh

A. (B)  
B. (D)

C. (C)  
D. (A)

Ans. A

Sol.

total marks of

Shyam=40+50+49+51+65=255

Average marks of Shyam =255/5=51

total marks of

Sunil=60+55+60+59+61=295

average marks of Sunil=295/5=59

Total marks of

Jagdish=35+41+39+30+45=190

Average marks of Jagdish=190/5=38

Total marks of

Rajesh=50+55+51+57+62=275

Average marks of Rajesh=275/5=55

So, Sunil has highest average marks

66. A student scored 470 marks in 6 subjects. The maximum marks for each subject was 100. What was his score in percentage terms?

(A) 67.33% (B) 69.45%

(C) 78.33% (D) 78.67%

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

Ans. D  
Sol.

maximum marks in 6 subjects =  
 $100 \times 6 = 600$

total scored marks = 470

percentage  
score =  $\frac{470}{600} \times 100 = 78.33\%$

67. If  $\cot 52^\circ = b$ ,  $\tan 38^\circ = ?$

- (A)  $\sqrt{b}$  (B)  $\frac{\sqrt{b}}{2}$

(C) -b (D) b

- A. (B)  
B. (D)

- C. (C)  
D. (A)

Ans. B  
Sol.

$\cot 52^\circ = b$

$\cot(90^\circ - 38^\circ) = b$

$\tan 38^\circ = b$

68. Verification of log-in name and password is for

- (A) Authenticating the user  
(B) Re-confirming the user  
(C) Providing formal access to the user  
(D) Completing the formality of login-in

- A. (C)  
B. (A)

- C. (D)  
D. (B)

Ans. B  
Sol.

\* **Verification of log-in name and password is for the authentication of the user.**

\* In security systems, authentication is distinct from *authorization*, which is the process of giving individuals access to system objects based on their identity.

\* It is done to provide access to the administration of system, it may be electronic or digital (biometric etc.)

69. Which one of the following is not alkaline?

(A) Sodium (B) Potassium

(C) Lithium (D) Sulphur

- A. (D)  
B. (A)

- C. (B)  
D. (C)

Ans. A  
Sol.

\* **Sodium, Potassium and Lithium are alkaline elements while sulphur isn't.**

\* Alkaline is a basic salt or ionic salt of alkaline earth elements. They are basically base dissolved in water. And have pH greater than 7.

\* Alkaline solutions are slippery or soapy to the touch and Alkalies are normally water-soluble.

70. Headquarters of NASA is at

(A) New York (B) Washington

(C) Boston (D) Texas

- A. (A)  
B. (D)

C. (C)

D. (B)

Ans. D

Sol.

\* **The Headquarters of NASA is situated at Washington DC, USA.**

\* NASA was established in 1958, succeeding the National Advisory Committee for Aeronautics (NACA).

\* The major mission launched by NASA are- Project Mercury, Project Gemini, Project Apollo etc.

71. An article was sold for Rs. 26,000 at a discount of 35%. Find the selling price if the discount was 15%.

(A) Rs. 36,000 (B) Rs. 40,000

(C) Rs. 38,000 (D) Rs. 34,000

A. (A)

B. (D)

C. (C)

D. (B)

Ans. B

Sol.

According to the question,

Selling price at 35% discount =  $(100 - 35)\%$  of MRP

New selling price at 15% discount =  $(100 - 15)\%$  of MRP

On dividing both

$$\frac{26000}{\text{New selling price}} = \frac{65}{85}$$

New selling price = Rs. 34000

72. A compiler is a

(A) Hardware

(B) Software

(C) Neither Hardware nor Software

(D) Card

A. (D)

B. (C)

C. (B)

D. (A)

Ans. C

Sol.

\* **A Compiler** is basically a software which translates computer code written in one programming language into another language.

\* It is of different types- Cross compiler, Bootstrap Compiler, Source to Source Compiler etc.

\* A compiler may perform many or all of the following operations: pre processing, lexical analysis, parsing, semantic analysis etc.

73. INSAT-3D the meteorological Satellite with advanced weather monitoring payloads was launched in

(A) 2012 (B) 2013

(C) 2014 (D) 2015

A. (B)

B. (C)

C. (A)

D. (D)

Ans. A

Sol.

\* **INSAT-3D the meteorological Satellite** with advanced weather monitoring payloads was launched on 26 July, 2013.

\* It was launched from French Guiana using Ariane 5 ECA launch vehicle.

\* The satellite has 4 payloads: 6 channel multi-spectral Imager, 19 channel



sounder, Data Relay Transponder (DRT) and Satellite Aided Search and Rescue (SAS&R).

74. NGT stands for

(A) National Geographic Television

(B) National Green Transport

(C) National Green Trust

(D) National Green Tribunal

A. (D)

B. (A)

C. (C)

D. (B)

Ans. A

Sol.

\* **NGT stands for National Green Tribunal.** The National Green Tribunal has been established on 18.10.2010 under the National Green Tribunal Act 2010.

\* Objective- for effective and expeditious disposal of cases relating to environmental protection and conservation of forests and other natural resources.

\* The Tribunal's dedicated jurisdiction in environmental matters shall provide speedy environmental justice and help reduce the burden of litigation in the higher courts.

75. India covers \_\_\_\_\_ of earth's land area. (approximate)

(A) 2.8% (B) 2.4%

(C) 2.0% (D) 3.2%

A. (B)

B. (A)

C. (C)

D. (D)

Ans. A

Sol.

\* **The total area of India is 3.28 million square km. India also accounts for 2.4% of the area on the globe.**

\* IT has a land boundary of 15,200 km and the coastal boundary that includes the islands is 7,516 km.

\* It lies completely in the Northern hemisphere and Eastern hemisphere between *latitudes 84' N and 37°6'N* and *longitudes 68°7' E and 97°25' E*.

76. If the arithmetic mean of ten numbers is 35 and each number is increased by 2, find the mean of the new set of numbers.

(A) 28 (B) 34

(C) 40 (D) 37

A. (B)

B. (C)

C. (D)

D. (A)

Ans. C

Sol.

Mean of 10 numbers = 35

Sum of 10 numbers =  $35 \times 10 = 350$

Each number is increased by 2

New sum =  $350 + 10 \times 2 = 370$

New average =  $370/10 = 37$

Short Trick:

If all the numbers in a sum is increased by the same value then their average is also increased by same value

Therefore, new average =  $35 + 2 = 37$

77. If  $a + 2b = 55$  and  $a - 2b = -13$ , find the value of b.

(A) 21 (B) 14

(C) 17 (D) 19

A. (D)

B. (C)

C. (B)

D. (A)

Ans. B

Sol.

$$a + 2b = 55$$

$$a - 2b = -13$$

subtracting both the equation

$$4b = 68$$

$$b = 17$$

78. Which of the following diseases is not related to heart?

(A) Aneurysm

(B) Cardiomyopathy

(C) Diphtheria

(D) Myocardial rupture

A. (D)

B. (A)

C. (C)

D. (B)

Ans. C

Sol.

**\* Aneurysm, Cardiomyopathy and Myocardial rupture are heart diseases while Diphtheria is not.**

\* Diphtheria is a serious bacterial infection usually affecting the mucous membranes of your nose and throat.

\* Diphtheria is included in vaccination programme in country for its early prevention.

79. Which of the following is not an electrical conductor?

(A) Porcelain (B) Aluminium

(C) Tungsten (D) Nickel

A. (D)

B. (A)

C. (B)

D. (B)

Ans. B

Sol.

**\* Aluminium, Tungsten and Nickel are good electricity conductors while Porcelain is not.**

\* Porcelain is a ceramic material, it is tough, translucent and an electricity insulator.

\* Properties associated with porcelain include low permeability and elasticity; considerable strength, hardness, toughness etc.

80. In 2012 Olympics, the maximum gold medals were won by

(A) China

(B) Great Britain

(C) United State of America

(D) Russia

A. (A)

B. (D)

C. (C)

D. (B)

Ans. C

Sol.

**\* The 2012 Summer Olympics were held in London, United Kingdom, from 25 July 2012 to 12 August 2012.**

\* Athletes from the United States won the most gold medals, with 46, and the most overall, with 103.

\* Michael Phelps and Missy Franklin each won four gold medals which were maximum gold medal won by an individual.

81. What will be the effect of a moving lift on a person's mass?

- (A) It will increase  
(B) It will decrease  
(C) It will remain constant  
(D) It may increase or decrease

A. (A)

B. (D)

C. (B)

D. (C)

Ans. D

Sol.

**\* The mass of a person is constant and does not depend upon the movement of lift.**

\* But apparent weight of a person can increase or decrease depends upon the acceleration or deacceleration of lift.

\* The apparent weight of man can be easily calculated based on newton's laws of motion.

82. Veena is the daughter of Mohan, who is only son-in-law of Meena. Meena has only one child. Kiran is granddaughter of Meena. How Kiran is related to Veena?

(A) Sister (B) Daughter

(C) Aunt (D) Mother

A. (C)

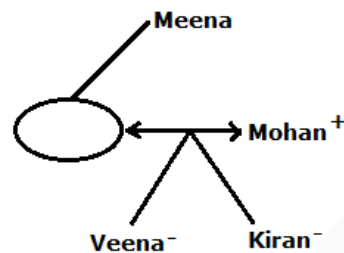
B. (B)

C. (D)

D. (A)

Ans. D

Sol.



Kiran is the sister of veena.

Option D is correct.

83. The HCF of two numbers is 6 and their LCM is 108. If one of the numbers is 12, then the other is

(A) 27 (B) 54

(C) 48 (D) 36

A. (D)

B. (B)

C. (A)

D. (C)

Ans. B

Sol.

HCF of two numbers is 6 and their LCM is 108

Let the second number be N

We know that,

$HCF \times LCM = \text{product of two numbers}$

$$6 \times 108 = 12 \times N$$

$$N = 54$$

84. Read the given statements carefully and answer the question.

Statement :

A leading tennis star who faced media after failing a dope test said, 'I don't want to end my career this way. I hope I will be given another chance to play this game. I let the sport down.'

(A) He was challenging the outcome of the dope test.

(B) He was confident that he was right and would continue to play

(C) He had admitted to testing positive in dope test.

(D) the sport let him down

A. (A)

B. (C)

C. (B)

D. (D)

Ans. B

Sol.

From the given statement it can be infer he had admitted to testing positive in dope test as he is asking for another chance as he don't want to end his career this way.

85.The mean of 25 values was 40. But one value was written as 25 instead of 50. The corrected mean is

(A) 39 (B) 41

(C) 40 (D) 42

A. (D)

B. (B)

C. (C)

D. (A)

Ans. B

Sol.

Mean of 25 values = 40

Sum of 25 values =  $40 \times 25 = 1000$

One value was written 25 instead of 50

Correct sum =  $1000 - 25 + 50 = 1025$

New average =  $1025/25 = 41$

SHORT TRICK :

Difference between values =  $50 - 25$

New average =  $40 + 25/25 = 41$

86.India came directly under the rule of the British Crown in the year \_\_\_\_.

(A) 1857 (B) 1858

(C) 1859 (D) 1856

A. (B)

B. (C)

C. (A)

D. (D)

Ans. A

Sol.

\* **India came directly under the rule of the British Crown in the year in 1858.**

\* This system of governance under british crown was instituted on 28 June 1858, after the Indian Rebellion of 1857.

\* It lasted until 1947, when it was partitioned into two sovereign dominion states: the Dominion of India and the Dominion of Pakistan.

87.Human respiration releases

(A) Mixture of gases

(B) Carbon monoxide

(C) Oxygen

(D) Carbon dioxide

A. (B)

B. (C)

C. (D)

D. (A)

Ans. C  
Sol.

\* **Human Respiration released Carbon Dioxide and inhales oxygen.**

\* Respiration can be of two types- Aerobic and Anaerobic, Aerobic respiration need oxygen and anaerobic respiration doesn't need oxygen.

\* The human respiratory system consists mainly of a pair of lungs, trachea, bronchi, and alveoli. Air enters the body through the nostrils.

88.If 'code' = 6241, 'made' = 5346, 'come' = 3124 and 'to' = 27 then 'dome' = ?

(A) 6134 (B) 5214

(C) 6124 (D) 2634

A. (B)  
B. (D)

C. (A)  
D. (C)

Ans. B  
Sol.

c	o	d	e	m	a	d	e	c	o	m	e	t	o
1	2	6	4	3	5	6	4	1	2	3	4	7	2

Similarly,

d	o	m	e
6	2	3	4

Hence, option D is correct.

89.Find the odd statement out in relation to a triangle.

(A) The longest side is opposite to the greatest angle.

(B) The exterior angle of a triangle = the sum of interior opposite angles.

(C) The sum of any two sides is greater than the 3<sup>rd</sup> side

(D) The square of one side = the sum of the squares of other two sides

A. (D)  
B. (C)

C. (A)  
D. (B)

Ans. A  
Sol.

In a triangle,

The longest side is opposite to the greatest angle.

The exterior angle of a triangle = the sum of interior opposite angles.

The sum of any two sides is greater than the 3<sup>rd</sup> side.

All of these are the basic properties of a triangle.

But in option D

The square of one side = the sum of the squares of other two sides

The above statement is only true for right angled triangle.

Hence the answer is option D

90.Which river does not flow into the Arabian Sea?

(A) Narmada (B) Tapti

(C) Periyar (D) Mahanadi

A. (D)  
B. (B)

C. (C)  
D. (A)

Ans. A  
Sol.

\* **Narmada, Tapti and Periyar rivers flows from east to west** direction and drain into Arabian Sea whereas Mahanadi flows from west to east direction and drain into Bay of Bengal.

\* Mahanadi is 858 kilometres long and Hirakund dam is located on it.

\* The Mahanadi river flows through the states of Chhattisgarh and Odisha.

91. Read the given statements carefully and answer the question :

Statements :

After landing on the Moon, Neil Armstrong said, "One small step for a man, a giant leap for mankind."

Conclusions :

I. Neil Armstrong presented himself as mankind

II. The words of Neil Armstrong loud achievement of mankind

(A) Only Conclusion I follows

(B) Only conclusion II follows

(C) Both I and II follows

(D) Neither I nor II follows

A. (C)

B. (D)

C. (A)

D. (B)

Ans. D

Sol.

Neither of the conclusion can be concluded from the given statement.

92. Banaras Hindu University which completed 100 years in February 2016 was founded by

(A) Gulzari Lal Nanda

(B) Madan Mohan Malaviya

(C) Jay Prakash Narayan

(D) Sarvepalli Radhakrishnan

A. (B)

B. (C)

C. (D)

D. (A)

Ans. A

Sol.

\* **Banaras Hindu University which completed 100 years in February 2016 was founded by Madan mohan malviya.**

\* It was established in 1916.

\* Its main objective was to build a youth dedicated to Swadeshi ideas and have knowledge of western education also.

93. Read the given statements carefully and answer the question.

Statements :

Knowledge and wisdom go hand in hand.

The deeper the knowledge, the greater is the wisdom.

Knowledge is awareness .

Wisdom is required to tackle complications.

Which of the following is true according to the given statement?

(A) Knowledge and wisdom are synonymous

(B) Knowledge and wisdom are entirely different

(C) Knowledge and wisdom are complementary to each other.

(D) Wisdom can supplant knowledge



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

Ans. A

Sol.

According to the above statements, the conclusion C i.e. Knowledge and wisdom are complementary to each other is true. Hence, Option C is correct.

94. A statement followed by some

Conclusions are given below :

Statement :

Based on his performance, Rajesh got a poor rating in his office.

Conclusion :

I. Rajesh did not perform well.

II. The rating given to Rajesh was not up to the mark.

Find which of the given Conclusions logically follows from the given statement.

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

Ans. B

Sol.

Rajesh got the poor rating because he did not perform well.

Poor rating implies that Rajesh's work is not upto the mark

Hence, option B is correct answer.

95. Who was the first cricketer to score four successive centuries in World Cup Cricket?

- (A) Kumar Sangakkara  
(B) AB de Villiers  
(C) Ross Taylor  
(D) Saeed Anwar

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

Ans. C

Sol.

\* **Kumar Sangakkara** became the first cricketer to score four consecutive one day International centuries.

\* He sets the new record in world cup match against Scotland.

\* There are six players who have scored three ODI centuries in a row.

96. If 'god is great' = 'cp an bo', 'great help done' = 'er cp fs' and 'he is great' = 'bo cp dq', then what represents 'he is god' ?

- (A) c per bo (B) an bo cp  
(C) dq bo cp (D) an bod q

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

Ans. D

Sol.

words	code
god	an
is	bo
great	cp
help	er/fs
done	er/fs
he	dq

He is god - dq bo an.

Hence, option D is correct.

97. Consolation : Grief : Sedative : \_\_\_\_\_

- (A) Chloroform (B) Anaesthesia  
(C) Pain (D) Burn

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

Ans. A

Sol.

Consolation provides relief from grief. Similarly, sedative provides relief from pain.

Option (c) is correct.

98. The \_\_\_\_\_ Five years Plan of the Government of India covered the period 2012-17

- (A) 10th (B) 11th

(C) 12th (D) 13th

A. (A)

B. (C)

C. (D)

D. (B)

Ans. B

Sol.

\* **The 12<sup>th</sup> Five years Plan of the Government of India covered the period 2012-17.**

\* It is the final five year plan since Planning Commission is replaced now by NITI Ayog.

\* First five year plan was constituted for 1951-56 for target growth rate of GDP of 2.1 %.

\* To reduce poverty, To improve regional equality, to improve ST,SC conditions etc are included in objectives of 12<sup>th</sup> five year plan,

99.If 'health is wealth' is written as 1372, 'health needs care' is 417, 'he needs wealth' is 463, then 'he is wealth' is

(A) 326 (B) 764

(C) 624 (D) 246

A. (D)

B. (B)

C. (A)

D. (C)

Ans. C

Sol.

words	code
health	7
is	2
wealth	6
needs	4
care	1
he	3

He is wealth – 326

Hence, option C is correct.

100.If ARC is written as \$ @ \* and HIT is # & % then CHAIR is

(A) # \* & \$ @ (B) # \* \$ & %

(C) \* # \$ & @ (D) \* # \$ & %

A. (D)

B. (B)

C. (C)

D. (A)

Ans. C

Sol.

A	R	C	H	I	T
\$	@	*	#	&	%

SIMILARLY,

C	H	A	I	R
*	#	\$	&	@

Hence, option C is correct.

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