



Home Assignment PDF For Delhi Police Constable



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1. Which pillar inscriptions has recorded the achievements of Samudra Gupta, who was known as the 'Napoleon of India' for his conquests?

- A. Allahabad Pillar
- B. Sun Pillar
- C. Iron Pillar
- D. Vijaya Stambha

2. Which Indian leader was elected as Ahmedabad's Municipal president in 1922, 1924 and 1927 in his initial years?

- A. Morarji Desai
- B. Sardar Vallabhbhai Patel
- C. KM Munshi
- D. Kasturba Gandhi

3. In which year did the Third Round Table Conference take place?

- A. 1930
- B. 1928
- C. 1932
- D. 1929

4. In which year did the Portuguese capture Goa?

- A. 1475 AD
- B. 1540 AD
- C. 1510 AD
- D. 1610 AD

5. Kalinga Stadium is located in which state of India?

- A. Meghalaya
- B. Mizoram
- C. Kerala
- D. Odisha

6. Ramsar Convention is associated with?

- A. Endangered Species
- B. Wetlands Sites
- C. Heritage Sites
- D. Anti Terror Combat

7. The major stake in Numaligarh Refinery Limited is with _____.

- A. Hindustan Petroleum
- B. Chennai Petroleum
- C. Bharat Petroleum

D. Reliance Petrochemicals

8. The Mediterranean Sea is connected to which ocean?

- A. Pacific Ocean
- B. Atlantic Ocean
- C. Indian Ocean
- D. Southern Ocean

9. Meghalaya was formed in which year?

- A. 1947
- B. 1956
- C. 1963
- D. 1972

10. What is the confluence of Alaknanda and Nandakini known as?

- A. Vishnuprayag
- B. Rudraprayag
- C. Nandaprayag
- D. Karnaprayag

11. Black soil is also known as _____.

- A. Bangar Soil
- B. Khadar Soil
- C. Regur Soil
- D. Alluvial Soil

12. Where are the headquarters of South Central Railways?

- A. Secunderabad
- B. Mumbai
- C. Bhopal
- D. Calcutta

13. When was the 'Battle of Kanauj' fought?

- A. 1536
- B. 1540
- C. 1556
- D. 1524

14. Koyna Dam is built on which river & in which state?

- A. Koyna river, Maharashtra
- B. Konya River, Karnataka
- C. Godawari river, Maharashtra
- D. Krishna River, Karnataka

15. Name the longest river in Asia.

- A. Yenisei
- B. Nile
- C. Yangtze
- D. Amazon

16. The average of five consecutive even numbers is m . If the next five even number are also included, the average of ten number will be:

- A. $m+5$
- B. $m+10$
- C. 10
- D. 11

17. 9 years ago, the average age of a family of five members was 33 years. Now, three new members join whose ages are in ascending order with consecutive gaps of 8 years. If the present average age of the family is the same as it was 9 years ago, what is the age (in year) of the youngest new member?

- A. 15
- B. 17
- C. 10
- D. 9

18. A man can row a distance of 900 metres against the stream in 12 minutes and returns to the starting point in 9 minutes. What is the speed (in km/h) of the man in still water?

- A. $4\frac{1}{2}$
- B. 5
- C. $5\frac{1}{4}$
- D. 6

19. The compound interest on a certain

sum at $16\frac{2}{3}\%$ p.a. for 3 years is Rs.6,350. What will be the simple interest on the

same sum at the same rate for $5\frac{2}{3}$ years?

- A. Rs. 10,200
- B. Rs. 7,620
- C. Rs. 11,400

D. Rs. 9,600

20. If x is the remainder when 3^{61284} is divided by 5 and y is the remainder when 4^{96} is divided by 6, then what is the value of

$(2x - y)$?

- A. -2
- B. 2
- C. -4
- D. 4

21. If the students of 9th class are arranged in rows of 6, 8, 12 or 16, no student is left behind. Then the possible number of students in the class is

- A. 60
- B. 72
- C. 80
- D. 96

22. Three bottles of equal capacity containing mixture of milk and water in ratio 2 : 5, 3 : 4 and 4 : 5 respectively. These three bottles are emptied into a large bottle. What will be the ratio of milk and water respectively in the large bottle?

- A. 73 : 106
- B. 73 : 116
- C. 73 : 113
- D. 73 : 189

23. A sum of ` x is divided among A, B and C such that the ratio of the shares of A and B is 6 : 7 and that of B and C is 3 : 2. If the difference between the shares of A and C is ` 540. Then the value of x is :

- A. 7020
- B. 7290
- C. 7425
- D. 7155

24. A is 40% less than B, and C is 40% of the sum of A and B. The difference between A and B is what percentage of C?

- A. 64%
- B. 62.5%
- C. 60.5%
- D. 60%

25. In an office, 70% of the total number of employees are females. 80% of the total number of employees, including 35 males, got promotion. If there are 105 female employees, then what percentage of female employees got promotion?

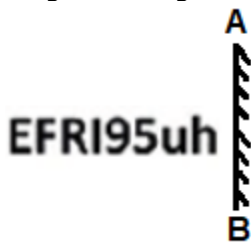
A. 30%

B. $80\frac{20}{21}\%$

C. 4%

D. 35%

26. If a mirror is placed on the line AB, then which of the answer figures is the right image of the given figure?



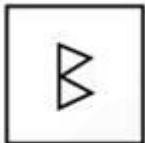
A.

B.

C.

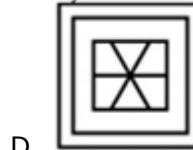
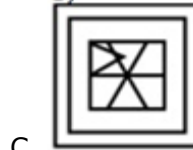
D.

27. From the given answer figures, select the one in which the question figure is hidden/ embedded.

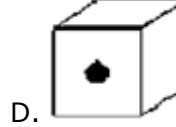
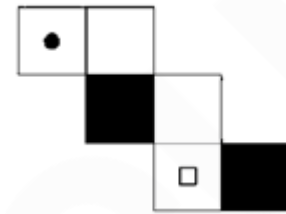


A.

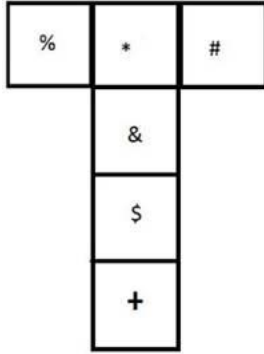
B.



28. From the given options, which answer figure can be formed by folding the figure given in the question?

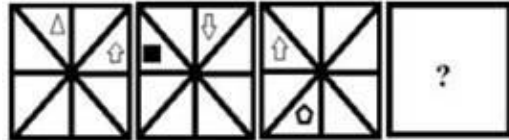


29. A cube is made by folding the given sheet. In the cube so formed, what would be the symbol on the opposite side of '+'?



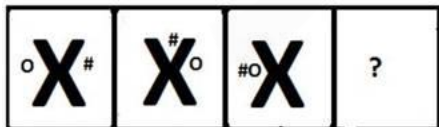
- A. #
- B. %
- C. \$
- D. &

30. Select the figure that will come next in the following figure series.



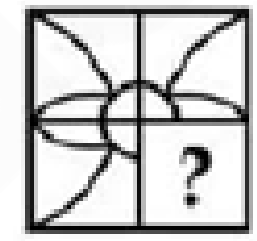
- A.
- B.
- C.
- D.

31. Select the figure that will come next in the following figure series.



- A.
- B.
- C.
- D.

32. Which answer figure will complete the pattern in the question figure?



- A.
- B.
- C.
- D.

33. The name for the way that computers manipulate data into information is called:

- A. programming
- B. processing
- C. storing
- D. organizing

34. What is the permanent memory built into your computer called?

- A. RAM
- B. ROM
- C. CPU
- D. CD-ROM

35. EPROM can be used for _____.

- A. erasing the contents of ROM
- B. reconstructing the contents of ROM
- C. erasing and reconstructing the contents of ROM
- D. duplicating the ROM

36. Father of 'C' programming language is _____.

- A. Dennis Ritchie
- B. Prof Jhon Kemeny
- C. Thomas Kurtz
- D. Bill Gates

37. Punched cards were first introduced by _____.

- A. Power
- B. Pascal
- C. Jacquard

D. Herman Hollerith

38. The first page of a web site is called _____.

- A. Homepage
- B. Index
- C. JavaScript
- D. Bookmarks

39. A database management system (DBMS) is a

- A. hardware system used to create, maintain and provide controlled access to a database
- B. hardware system used to create, maintain, and provide uncontrolled access to a database.
- C. software system used to create, maintain, and provide uncontrolled access to a database.
- D. software system used to create, maintain, and provide controlled access to a database.

40. _____ describe what are database fields.

- A. Structures
- B. Field markers
- C. Field definition
- D. Field names

###ANSWERS###

1. Ans. A.

- **The Allahabad Pillar inscription** was composed by Harishena.
- This pillar inscriptions has recorded the achievements of Samudra Gupta credits him with extensive military conquests.
- It is considered "the most important historical document of the classical Gupta age".

2. Ans. B.

Sardar Vallabh bhai Patel was elected Ahmedabad's municipal president in 1922, 1924, and 1927.

- Some other major information about Sardar Vallabh bhai Patel are as follow-
- a) Elected as president of INC in 1931.
- b) Conferred with Bharat Ratan in 1991.
- c) National Unity Day on 31st October is celebrated on his birthday.
- d) Organised Kheda and Bardoli Satyagrah.

3. Ans. C.

- Third Round Table Conference was held in London on November 17, 1932.
- This was just a nominal conference, Congress refused to attend it and in Britain, the Labor party also refused to not to attend it.

4. Ans. C.

• The Portuguese captured Goa in **1510 AD**.

• The Portuguese conquest of Goa occurred when the governor of Portuguese India Afonso de Albuquerque captured the city in **1510**.

• He captured Goa from the ruler of Bijapur and introduced the policy of Imperialism.

5. Ans. D.

* The Kalinga Stadium is located in **Bhubaneswar, Orissa**.

* It is a multi-purpose stadium.

* Its foundation stone was laid by former chief minister of Odisha **Late Biju Patnaik** in **1978**.

* It has facilities for athletics, soccer, field hockey, basketball, tennis, table tennis basketball, volleyball, Wall climbing and swimming.

* It has capacity of 15,000 people.

6. Ans. B.

Ramsar Convention is associated with conservation of Wetlands across the globe.

• It was adopted in 1971 and came into force in 1975.

• World Wetlands Day is celebrated on 2nd February.

• Recently in 2019, 10 new wetland sites of India are added in Ramsar Convention.

• Wetlands declared as Ramsar sites are protected under strict guidelines of the convention.

7. Ans. C.

* The share distribution of Numaligarh Refinery Limited is –

a) Bharat Petroleum- 61.6%

b) Oil India- 26 %

c) Government of Assam- 12%

* It is located in Golaghat district of Assam.

* It has a capacity of 3 million tonnes per year.

* Former Prime Minister Shree Atal Bihari Vajpayee dedicated this refinery to nation in 1999.

* NRL has been conferred the status of **Mini Ratna PSU**.

8. Ans. B.

• The Mediterranean Sea is connected to the **Atlantic Ocean** by a narrow passage called the **Strait of Gibraltar**.

• The Mediterranean Sea is the body of water that **separates Europe, Africa and Asia**.

• The Atlantic Ocean is the **second largest** ocean of the world.

9. Ans. D.

• Meghalaya was created as an autonomous state within the state of Assam on 2 April, 1970.

• The full-fledged State of Meghalaya came into existence on 21 January, 1972.

• It is predominantly inhabited by the Khasis, the Jaintias, and the Garo tribal communities.

• Shillong is the capital of Meghalaya.

10. Ans. C.

• **Nand Prayag** is the second prayag in the cascade sequence of the confluences where the **Nandakini River joins the main Alaknanda River.**

• Nandaprayag was once the capital of **Yadu kingdom.**

• Panch Prayag are five confluences, which are regarded as major centers for pilgrims.
11. Ans. C.

Black soil is also known as **Regur soil.**

• These soils are the typical soils developed on the basaltic rocks of the **Deccan plateau.**

• This soil is rich in iron, lime and aluminum content. It has also high moisture retentive capacity.

• This soil lacks nitrogen, phosphorus and organic matter.

• This soil is also suitable for dry farming because of its high moisture retentive capacity.

12. Ans. A.

The South Central Railway Zone is headquartered at **Secunderabad.**

• **Mumbai** is the headquarters of **Western Railway.**

• Calcutta is the headquarters of **Eastern Railway.**

• The headquarters of Indian railway is in **New Delhi.**

• India has the Second largest railway network in **Asia** and the **fourth** largest in the world after the **USA, Russia** and **China.**

• The first Indian railway line in India was operated for public traffic in **1853** between Bombay and Thane over a distance of **34 Km.**

13. Ans. B.

• The battle of Kanauj was fought on **17 May, 1540.**

• The Battle of Kanauj was fought between **Mughal Emperor Humayun and Sher Shah Suri of Suri Empire.**

14. Ans. A.

• The Koyna Dam is one of the largest dams in Maharashtra, India.

• It is a rubble-concrete dam constructed on Koyna River.

• The Konya hydroelectric power plant is having a total installed capacity of 1,920 MW.

15. Ans. C.

• River Yangtze is the longest river in Asia. It is third longest river in the world.

• Its origin in Tibetan Plateau and its length is about 6300kms.

• It flows in China and drain in East China Sea.

16. Ans. A.

Let five consecutive even numbers are = $x, x+2, x+4, x+6$ and $x+8$

We know that, $\text{Average} = \frac{\text{Sum of observations}}{\text{Total number of observations}}$

Hence, average of five consecutive even numbers =

$$\frac{(x+x+2+x+4+x+6+x+8)}{5} = \frac{(5x+20)}{5} = x+4$$

Given that average of five consecutive even numbers is m

$$\Rightarrow m = x+4$$

$$\Rightarrow x = m-4$$

Now, next five consecutive even numbers are = $x+10, x+12, x+14, x+16$ and $x+18$

Sum of next five consecutive even numbers =

$$x+10+x+12+x+14+x+16+x+18 = 5x+70$$

$$\text{Sum of ten numbers} = 5x+20+5x+70 = 10x + 90$$

We know that, $\text{Average} = \frac{\text{Sum of observations}}{\text{Total number of observations}}$

$$\frac{10x+90}{10} = x+9$$

$$\Rightarrow x+9 = m-4+9 = m+5$$

17. Ans. C.

Let the age of five people be

$$x_1, x_2, x_3, x_4, x_5$$

Age 9 years ago =

$$x_1 - 9, x_2 - 9, x_3 - 9, x_4 - 9, x_5 - 9$$

Average :

$$\frac{(x_1 + x_2 + x_3 + x_4 + x_5 - 45)}{5} = 33$$

$$\Rightarrow x_1 + x_2 + x_3 + x_4 + x_5 = 210$$

Let the age of three new members of the family be $x, x + 8, x + 16$

$$\frac{(x_1 + x_2 + x_3 + x_4 + x_5 + x + x + 8 + x + 16)}{8} = 33$$

$$\Rightarrow x_1 + x_2 + x_3 + x_4 + x_5 = 210$$

$$\Rightarrow 234 + 3x = 264$$

$$\Rightarrow x = 10$$

18. Ans. C.

Let the speed of man in still water = x

Speed of stream = y

A.T.Q.

$$x - y = \frac{900 \times 60}{12 \times 1000} = \frac{9}{2} \text{ km / hr } \dots (i)$$

$$x + y = \frac{900 \times 60}{9 \times 1000} = 6 \text{ km / hr } \dots (ii)$$

From equation (i) & (ii),

$$2x = \frac{21}{2}$$

$$x = \frac{21}{4}$$

$$x = 5.25 = 5\frac{1}{4} \text{ km/hr.}$$

19. Ans. A.

The compound interest on a certain sum at

$16\frac{2}{3}$ % p.a. for 3 years is Rs.6,350.

Here, $16\frac{2}{3}$ % = $\frac{1}{6}$

Year	Principal	Amount
1st	6	7
2nd	6	7
3rd	6	7
	= 216	= 343

Hence, if principal is 216 units then Amount will be 343 units.

Compound interest = $343 - 216 = 127$ units

If 127 units = Rs. 6350

Then 1 unit = Rs. 50

Hence, Principal = $216 \times 50 = \text{Rs.}10,800$

Now we will find simple interest on

Rs.10,800 at $16\frac{2}{3}$ % p.a. for $5\frac{2}{3}$ years.

Thus, Simple interest =

$$\frac{(\text{principal} \times \text{rate} \times \text{time})}{100} =$$

$$\frac{(10800 \times 1 \times 17)}{(6 \times 3)}$$

$$= \text{Rs.}10,200$$

20. Ans. A.

$$x = \frac{\text{unit digit no. of } 3^{61284}}{5} = \frac{1}{5} = 1(\text{remainder})$$

$$y = \frac{4^{96}}{6} = 4 \Rightarrow \frac{4^n}{6} = 4(\text{always})$$

$$\text{Required, } 2x - y = 2 - 4 = -2$$

21. Ans. D.

If the students of 9th class are arranged in rows of 6, 8, 12 or 16, no student is left behind.

Hence, possible no of students in class will be LCM of these numbers of multiple of LCM.

LCM of 6, 8, 12, 16 = 48

Next multiple of 48 = $48 \times 2 = 96$

Hence, 96 is ans.

22. Ans. B.

Given ratios:

Container A :- 2 : 5 ----- = 7

Container B :- 3 : 4 ----- = 7

Container C :- 4 : 5 ----- = 9

since the capacities of all the containers are same, we have to multiply the capacity of Containers A and B by 9 and container C by 7

Multiplying (i) and (ii) by 9 and (iii) by 7, and then adding together we get resultant ratio as:

73 : 116

Thus, the ratio of milk and water respectively in the large bottle will be 73 : 116

23. Ans. D.

A : B B : C

6 : 7 3 : 2

A : B : C

18x : 21x : 14x

Difference between A and C's shares -

$$\Rightarrow 18x - 14x = 540$$

$$4x = 540$$

$$x = 135$$

$$\begin{aligned} \text{Total sum} &= 18x + 21x + 14x = 53x \\ &= 56 \times 135 = 7155 \end{aligned}$$

24. Ans. B.

Let the value of B be 100 .

Now A is 40% less than B.

$$A = 100 - 40 = 60$$

C is 40% of the sum of A and B

$$A + B = 100 + 60 = 160$$

$$C = \frac{40}{100} \times 160 = 64$$

$$B - A = 100 - 60 = 40$$

$$40 = x\% \text{ of } 64$$

$$\Rightarrow 40 = \frac{x}{100} \times 64$$

$$\Rightarrow x = 62.5\%$$

25. Ans. B.

No. of female employees = 105

Given, 70% of Employees = 105

So, Total no. of employees = 150

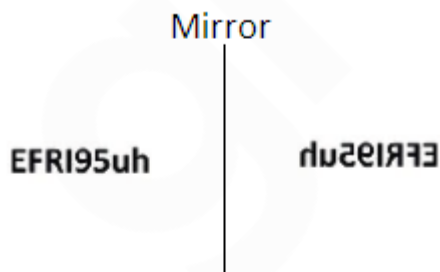
$$\text{Total promotion} = 80 \% \text{ of } 150 = 120$$

$$\text{No. of female promoted} = 120 - 35 = 85$$

$$\% \text{ of female employees got promoted} = (85/105) \times 100\%$$

26. Ans. D.

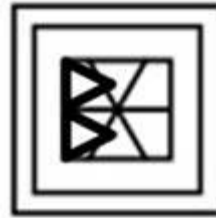
In a plane mirror, a mirror image is a reflected duplication of an object that appears almost identical, but it is reversed in the direction perpendicular to the mirror surface. As an optical effect, it results from the reflection of substances such as a mirror or water.



Hence, the correct option is D.

27. Ans. A.

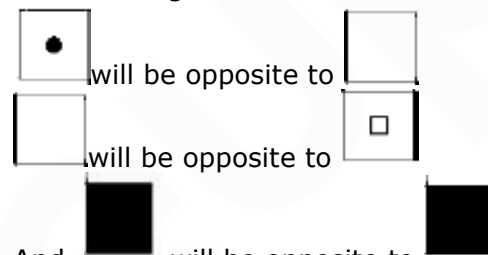
Here the question figure is correctly embedded in the answer figure as shown below:



Hence, option A is the correct answer.

28. Ans. A.

When the figure is folded into a dice:



And, [black face] will be opposite to [black face]
Hence, the correct option is **A**

29. Ans. D.

% is opposite to #

& is opposite to +

* is opposite to \$

Hence, option D is the correct answer.

30. Ans. B.

Logic: the 'arrow' is moving firstly 1 step, then 2 steps ahead in an anticlockwise direction and changing its position up-down.

And the other element is moving firstly, 1 step, then 2 steps ahead in an anticlockwise direction, and in the next figure, the previous element replaced by a new element.

So, the next figure should have the 'arrow' is moving 3 steps ahead in an anticlockwise direction and changing its position up-down.

And the other element is moving 3 steps ahead in an anticlockwise direction and in the next figure, the previous element replaced by a new element (a hexagon).

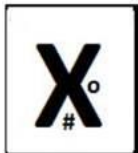


Hence, the correct option is B.

31. Ans. B.

The logic is: 'o' is moving two steps forward and '#' is moving one step backward.

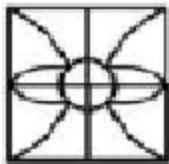
Therefore, the next figure is:



Hence, option B is the correct answer.

32. Ans. A.

Here the answer figure (A) will complete the pattern in the question figure as:



Hence, option A is the correct answer.

33. Ans. B.

34. Ans. B.

Read-only memory (ROM) is a type of storage Moderate that **permanently stores data** on personal computers (PCs) and other electronic devices. It contains the programming needed to start a PC, which is essential for boot-up.

Note:- It performs major **input/output** tasks and holds programs or software instructions.

35. Ans. C.

EPROM (erasable programmable read-only memory) is **programmable read-only memory** (programmable ROM) that can be erased and re-used.

36. Ans. A.

Dennis Mac Alistair Ritchie was an American computer scientist. He created the **C programming language**.

37. Ans. D.

Punch cards (Hollerith cards) are paper cards containing **several punched holes**

that were punched by hand or machine to represent data.

Note: These cards allowed companies to store and access information by entering the card into the computer.

38. Ans. A.

The first page of a website is called Homepage.

39. Ans. D.

40. Ans. D.

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