PREVIOUS YEAR PAPER

MP Police Constable 2017 — 17 September 2017, Shift 1

MP Police Constable · 17 September 2017 · 09:00 AM

78 of the paper's 100 questions · marks per question not printed on the question booklet

Left out of the original paper: 22 (any question that needs a figure, a symbol or formatting we cannot show, or whose text did not read back cleanly from the booklet).

Questions from the Professional Examination Board, Madhya Pradesh (now the MP Employees Selection Board)'s paper of 17 September 2017, 09:00 AM. Each question is followed by its answer, and the answer key is repeated on the last page.

Take it as a timed practice test: exambharo.com/mp-police-constable/previous-year-papers/mp-police-constable-2017-17-sep-shift-1/

General Knowledge and Logical Knowledge

1. Gandhi Sagar dam is built on the river____.
   (a) Tawa
   (b) Narmada
   (c) Chambal
   (d) Mahanadi
   Answer: (c)

2. When is National Technology Day observed?
   (a) 5thSeptember
   (b) 25th December
   (c) 11th May
   (d) 3rd August
   Answer: (c)

3. When is International Women’s Day celebrated on every year?
   (a) 8th March
   (b) 8th January
   (c) 18th April
   (d) 10th February
   Answer: (a)

4. Which is India’s first indigenously built Stealth Warship?
   (a) INS Chennai
   (b) INS Viraat
   (c) INS Vikramaditya
   (d) INS Shivalik
   Answer: (d)

5. Which is the highest peak of the Western Ghats?

(a) Kanchenjunga
(b) Sandakphu
(c) Anamudi
(d) Jindhagada Peak

Answer: (c)

6. India's first gymnast Dipa Karmakar who got qualified for Olympic belongs to which state?

(a) Tripura
(b) Manipur
(c) Gujarat
(d) Madhya Pradesh

Answer: (a)

7. On February 15, 2017 ISRO's PSLV C-37 successfully launched how many satellites?

(a) 108
(b) 104
(c) 106
(d) 110

Answer: (b)

8. Jal Mahotsav 2017-18 will be organized at

(a) Neemuch
(b) Narmada Kund
(c) Hanuwantiya Island
(d) Orchha

Answer: (c)

9. A 5.8 Magnitude quake struck _____ in February 2017, already in the news for natural disasters that lead to large-scale loss of life.

(a) Uttarakhand
(b) Himachal Pradesh
(c) Jammu
(d) Ooty

Answer: (a)

10. How many times has the Holkar cricket team won the Ranji Trophy?

(a) 6
(b) 7
(c) 4
(d) 2

Answer: (c)

11. The district of Guna is divided by _____ river
    (a) Tawa
    (b) Sindh
    (c) Jamni
    (d) Tamsa
    Answer: (b)

13. Who is known as the 'Iron Man of India'?
    (a) Sardar Vallabhbhai Patel
    (b) Jawaharlal Nehru
    (c) None of the above
    (d) Bal Gangadhar Tilak
    Answer: (a)

14. Who is the chief minister of Andhra Pradesh?
    (a) Venkaiah Naidu
    (b) Chandrashekar Rao
    (c) Chandrababu Naidu
    (d) Kadiyam Srihari
    Answer: (c)

15. Who was the captain of the Indian team that playe ıe 2017 Women's Cricket World Cup?
    (a) Mithali Raj
    (b) Harmanpreet Kaur
    (c) Poonam Raut
    (d) Sushma Verma
    Answer: (a)

16. Who was elected the Chairman of FIFA's Governance Committee?
    (a) SH Kapadia
    (b) Vitaly Mukto
    (c) Miguel Maduro
    (d) Mukul Mudgal
    Answer: (d)

17. Who is the Union Minister for Health and Family Welfare?
    (a) Harsimrat Kaur Badal
    (b) J P Nadda
    (c) Anant Geete
    (d) Radha Mohan Singh
    Answer: (b)

18. If CADAVERS is coded ACADEVSR, then how is IMMERSED coded?

(a) MIMESRDE
(b) MIMESRED
(c) MIEMSRED
(d) MIEMSRDE

Answer: (d)

19. How many 5 digits numbers can be formed using the digits 1, 2, 2, 4, 2, 4 ?

(a) 720
(b) 360
(c) 120
(d) 60

Answer: (c)

20. P scored more than D. U scored as much as D. R scored less than M. D scored more than U. M scored less than D. Who scored the lowest?

(a) U
(b) R
(c) P
(d) M

Answer: (b)

22. Complete the series choosing the missing letter/

b__bbbab__ba__b

(a) b, a, a
(b) a, b, a
(c) a, a, b
(d) a, b, b

Answer: (d)

23. What is the formation date of Madhya Pradesh?

(a) 01 August
(b) 01 November
(c) 01 December
(d) 01 April

Answer: (b)

24. Complete the series choosing the missing number:

1, 8, 3, 6, _____

(a) 8
(b) 5
(c) 4
(d) 7

Answer: (b)

25. Complete the series choosing the missing number:

1, 2, 6, 24, 120, _____

(a) 720
(b) 725
(c) 700
(d) 715

Answer: (a)

26. Complete the series choosing the missing number:

8, 10, 14, 18, _____, 34, 50

(a) 26
(b) 25
(c) 24
(d) 27

Answer: (a)

27. Select the option that is true about the Statements and Conclusions given:

Statements:

All numbers are bumpers

Some climbers are bumpers

Conclusions:

I. Some climbers are numbers

II. All numbers are climbers

(a) only conclusion II follows
(b) only conclusion I follows
(c) neither conclusion I nor conclusion II follows
(d) both conclusion I and II follows

Answer: (c)

28. Select the option that is true about the Statements and Conclusions given:

Statements:

All players are slayers

All slayers are blazers

Conclusions:

I. Some blazers are players

II. Some blazers are slayers

(a) only conclusion II follows
(b) only conclusion I follows
(c) neither conclusion I nor conclusion II follows
(d) both conclusion I and II follows

Answer: (d)

29. Select the option that is true about the Statements and Conclusions given:

Statements:

Some cooks are students

All chemists are students

Conclusions:

I. Some chemists are cooks

II. All cooks are chemists

(a) only conclusion II follows
(b) only conclusion I follows
(c) neither conclusion I nor conclusion II follows
(d) both conclusion I and II follows

Answer: (c)

30. Select the option that is true about the Statements and Conclusions given:

Statements:

No pigs are rigs

No figs are pigs

Conclusions:

I. No rigs are figs

II. All rigs are figs

(a) only conclusion II follows
(b) only conclusion I follows
(c) neither conclusion I nor conclusion II follows
(d) both conclusion I and II follows

Answer: (c)

31. Choose the number which is different from others in the group:

51, 64, 121, 144

(a) 144
(b) 121
(c) 64
(d) 51

Answer: (d)

34. IfSENSELESS is coded e3lns4, then how is BLACKEN coded?

(a) a1b1c1e1kl1n1
(b) a1b1c1e1k1n1l1
(c) abcelkn
(d) abcekln

Answer: (d)

36. 'Wimbledon Trophy' is awarded to

(a) Countries
(b) Individuals
(c) Zones
(d) States

Answer: (b)

38. If INSTITUTION is coded NOITUTITSNI, then how is PROCEDURE coded?

(a) ERVDECORP
(b) ERUDEDORP
(c) ERUDECORP
(d) ESUDECORP

Answer: (c)

39. Find the odd one out:

25, 36, 49, 121, 169

(a) 169
(b) 121
(c) 49
(d) 36

Answer: (d)

40. Mahakal is one of the _____Jyotirlingas in India.

(a) 10
(b) 14
(c) 11
(d) 12

Answer: (d)

Mental Ability and Mental Aptitude

5. Sum of the areas of two squares is 25 sq cm. The difference between the bases of the squares is 1 cm. What is the area of the bigger square?

(a) 4 sq cm
(b) 16 sq cm
(c) 25 sq cm
(d) 9 sq cm

Answer: (b)

6. The price of an item has changed from an original price of $40 to a current price of $50. What is the percent change?

(a) 30 %
(b) 25 %
(c) 28 %
(d) 50 %

Answer: (b)

7. A man buys 3 dozen oranges for Rs. 36. He sells 20% of them for a loss of 5%. At what profit percentage should he sell the remaining oranges in order to get an overall profit of 10%?

(a) 10%

(b) 20.25%

(c) 13.75%

(d) 15%

Answer: (c)

9. A is older than B by 4 years. If the difference of the square of the ages of A and B is equal to 80. Then Find the sum of the ages of A and B.

(a) 21

(b) 24

(c) 18

(d) 20

Answer: (d)

10. A reduction of 20 % in the price of sugar enables a purchaser to obtain 2.5 kg more for Rs. 160. Find the original price per kg of sugar.

(a) Rs. 15

(b) Rs. 18

(c) Rs. 16

(d) Rs. 12

Answer: (c)

11. Jaisim purchased 60 shares of XYZ Cor[illegible]ny f[illegible]s. 4,000 and later bought 40 more at Rs. 3,600. At what price should he purchase an a[illegible]al 50 shares so that the average cost of the shares is Rs. 80 each? .

(a) Rs. 5,200

(b) Rs. 4,050

(c) Rs. 4,400

(d) Rs. 3,400

Answer: (c)

12. A's salary is 60% of B's salary and B's salary is 75% of C's salary. What % of C's salary is A's salary? / A

(a) 35%

(b) 50%

(c) 45%

(d) 40%

Answer: (c)

13. If three men or four women can reap a field in 43 days, then, how many days will it take for seven men and five women to complete the given task?

(a) 10 days
(b) 12 days
(c) 17 days
(d) 28 days

Answer: (b)

14. Sachin is younger than Rahul by 7 years. If the ratio of their ages is 7:9, find the age of Sachin.

(a) 12.5 years
(b) 23.5 years
(c) 14.5 years
(d) 24.5 years

Answer: (d)

15. If a sum of Rs. 21565 is divided in three parts in the ratio of 4 : 6 : 9, then the smallest part will be:

(a) Rs. 5676
(b) Rs. 4540
(c) Rs. 10215
(d) Rs. 6810

Answer: (b)

16. Two trains staring from the same place run at the e of 50 kmph and 55 kmph respectively. What time will they take to be 85 km apart, if they r n the same direction?

(a) 15 hrs
(b) 16 hrs
(c) 17 hrs
(d) 18 hrs

Answer: (c)

17. A is thrice as good a workman as B and together, they finish a work in 18 days. In how many days will B alone finish the same work?

(a) 60 days
(b) 72 days
(c) 66 days
(d) 70 days

Answer: (b)

19. The average age of the Rose's family consisting of her grandfather, parents and brother dropped from 46 significantly on the demise of the grandfather at the ripe of age of 82. It went further down to 35 next year when Rose's brother married Cilia. What would be the age of Cilia?

(a) 21
(b) 24
(c) 23
(d) 22

Answer: (c)

20. The average age of a five-member family is 18 years. If the age of the grandfather is included, the average increases by 12 years. What is the age of the grandfather?

(a) 90 years
(b) 75 years
(c) 80 years
(d) 85 years

Answer: (a)

21. The average age of a class of 15 students is 20. If the age of the teacher is included and one student of age 20 is excluded, then the average of the class increases by 1. Find the age of the teacher.

(a) 30 yrs
(b) 37 yrs
(c) 35 yrs
(d) 40 yrs

Answer: (c)

22. The average weight of 75 students of Section A is 60kg; and the average weight of 25 students of Section B, belonging to the same class, is 52kg. Find the average approximate weight of all the 100 students of the class

(a) 58
(b) 52
(c) 56
(d) 60

Answer: (a)

23. A bag contains fifty, twenty and ten-rupee notes in the ratio of 2 : 3 : 5. If the total amount in the bag is Rs. 4,200, how many 20-rupee notes are there?

(a) 40
(b) 200
(c) 25
(d) 60

Answer: (d)

24. A bus takes a different route when going and returning from station A to D. It goes from station A to B in 4 hours and then from B to C in 2 hours. It stops for a break of 1 hour at C before going to D which takes 7 hours. On the return journey the bus starts from D, travels for 5 hours and stops for 2 hours at F. It then reaches E in 2 hour before moving to B. It takes 3 hours to reach B. Finally the bus goes from B to A in 4 hours. Which route is longer and by how many hours?

(a) Return journey by 4 hours

(b) Return journey by 2 hours

(c) Going journey by 1 hour

(d) Going journey by 3 hours

Answer: (b)

25. Kajal faces towards north. Turning to her right, he walks 25 meters. She then turns to her left and walks another 30 meters. Next, she moves 25 meters to her right. She then turns to her right again and walks 55 meters. Finally, she turns to the right and walks 40 meters. In which direction is she now facing from her starting point?

(a) North-West

(b) South-West

(c) South

(d) South-East

Answer: (d)

26. If 26 kg rice costs Rs. 299, how much would 22 kg cost?

(a) Rs. 223

(b) Rs. 253

(c) Rs. 243

(d) Rs. 247

Answer: (b)

27. If 6 unskilled workers make 8 chairs in 4 days, then how many additional skilled workers should be hired, who are 1.5 times as efficient as unskilled workers, to make 24 chairs in 6 days?

(a) 4

(b) 2

(c) 6

(d) 3

Answer: (a)

29. An employee receives the following incentives on his job for 3 months as Rs. 3,000, Rs. 3,500 and Rs. 2,870. What average incentives does he need on the last two months in order to maintain a Rs. 3,500 average?

(a) Rs. 4,065

(b) Rs. 4,605

(c) Rs. 3,500

(d) Rs. 3,000

Answer: (a)

30. Find the average.

37, 17, 25, 37, 49 & 63

(a) 39
(b) 41
(c) 36
(d) 38

Answer: (d)

Science and Simple Arithmetic

4. If the sum of two numbers is 8 and difference of their squares is 16, then the numbers are:

(a) 1 and 7
(b) 2 and 6
(c) 4 and 6
(d) 5 and 3

Answer: (d)

5. If each of the dimensions of a rectangle is increased by 100%, then how much is the area increased by?

(a) 100%
(b) 200%
(c) 300%
(d) 400%

Answer: (c)

6. The ratio of the volume of two cylinders of same height and whose radii in the ratio 1 : 4 is:

(a) 1 : 4
(b) 1 : 8
(c) 1 : 16
(d) 1 : 2

Answer: (c)

7. The largest perfect square which is exactly divisible by 4, 5, 6, 15 and 18 is:

(a) 600
(b) 300
(c) 256
(d) 900

Answer: (d)

8. The present population of a village is 60500 and it increases at the rate of 10% per annum. What was the population 2 years ago?

(a) 50000
(b) 59000
(c) 60100
(d) 48000

Answer: (a)

9. Amit covers two-third of a certain distance at 4 km/hr and the remaining at 5 km/hr. If he takes 42 minutes in all, what is the distance covered in km?

(a) 2 km
(b) 4 km
(c) 3 km
(d) 5 km

Answer: (c)

11. In any pie chart, the sum of the central angles is:

(a) 360
(b) 90
(c) 270
(d) 180

Answer: (a)

13. Which of the following is irregular or hexagonal?

(a) Neuron
(b) Squamous epithelium
(c) Connective tissue
(d) Bone cell

Answer: (b)

14. Which of the aqueous solutions will exhibit Tyndall effect?

(a) Sodium carbonate
(b) Copper sulphate
(c) Milk
(d) Potassium permanganate

Answer: (c)

15. The movement of shoot towards light is:

(a) Chemotropism
(b) Hydrotropism
(c) Phototropism
(d) Geotropism

Answer: (c)

16. The metal rods dipped in liquids to which batteries are attached in a circuit are called_____.
(a) electrolytes
(b) electrolysis
(c) electrode
(d) insulators
Answer: (c)

17. A plant cell lacks chloroplast. Which of the following functions will be affected?
(a) Reproduction
(b) Respiration
(c) Food production
(d) Storage
Answer: (c)

19. The fuel used in engine of jet aeroplanes is:
(a) Diesel
(b) Kerosene
(c) CNG
(d) Petrol
Answer: (b)

20. Temporary magnets are made of:
(a) Stainless steel
(b) Soft iron
(c) Steel
(d) Copper
Answer: (b)

21. At the top of high mountains, atmospheric pressure_____.
(a) increases
(b) remains constant
(c) decreases then increases
(d) decreases
Answer: (d)

23. The inner lining of the stomach is protected by which one of the following from the action of hydrochloric acid?
(a) Bile
(b) Pepsin
(c) Mucus
(d) Salivary amylase
Answer: (c)

24. Hepatitis is caused by a_____.
    (a) bacterium
    (b) fungus
    (c) virus
    (d) protozoa
    Answer: (c)

25. According to the base pairing rule, Adenine always pairs with:
    (a) Guanine
    (b) Cytosine
    (c) Uracil
    (d) Thymine
    Answer: (d)

26. The physiological process that helps in the perpetuation/continuation of the species is:
    (a) Circulation
    (b) Reproduction
    (c) Digestion
    (d) Respiration
    Answer: (b)

27. Protein synthesis takes place in _____.
    (a) Nucleus
    (b) Ribosome
    (c) Mitochondria
    (d) Golgi apparatus
    Answer: (b)

30. The number of digits in the number 210 58 is:
    (a) 10
    (b) 11
    (c) 9
    (d) 8
    Answer: (c)

Answer key

Answer key from the Professional Examination Board, Madhya Pradesh (now the MP Employees Selection Board)'s official answer key for this sitting. "—" means the key gave none.

General Knowledge and Logical Knowledge

1	**(c)**	2	**(c)**	3	**(a)**	4	**(d)**	5	**(c)**	6	**(a)**	7	**(b)**	8	**(c)**
9	**(a)**	10	**(c)**	11	**(b)**	13	**(a)**	14	**(c)**	15	**(a)**	16	**(d)**	17	**(b)**
18	**(d)**	19	**(c)**	20	**(b)**	22	**(d)**	23	**(b)**	24	**(b)**	25	**(a)**	26	**(a)**
27	**(c)**	28	**(d)**	29	**(c)**	30	**(c)**	31	**(d)**	34	**(d)**	36	**(b)**	38	**(c)**
39	**(d)**	40	**(d)**												

Mental Ability and Mental Aptitude

5	**(b)**	6	**(b)**	7	**(c)**	9	**(d)**	10	**(c)**	11	**(c)**	12	**(c)**	13	**(b)**
14	**(d)**	15	**(b)**	16	**(c)**	17	**(b)**	19	**(c)**	20	**(a)**	21	**(c)**	22	**(a)**
23	**(d)**	24	**(b)**	25	**(d)**	26	**(b)**	27	**(a)**	29	**(a)**	30	**(d)**		

Science and Simple Arithmetic

4	**(d)**	5	**(c)**	6	**(c)**	7	**(d)**	8	**(a)**	9	**(c)**	11	**(a)**	13	**(b)**
14	**(c)**	15	**(c)**	16	**(c)**	17	**(c)**	19	**(b)**	20	**(b)**	21	**(d)**	23	**(c)**
24	**(c)**	25	**(d)**	26	**(b)**	27	**(b)**	30	**(c)**						