PREVIOUS YEAR PAPER

MP Police Constable 2017 — 18 September 2017, Shift 2

MP Police Constable · 18 September 2017 · 03:00 PM

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

Left out of the original paper: 23 (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 18 September 2017, 03:00 PM. 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-2017-18-sep-shift-2/

General Knowledge and Logical Knowledge

2. Which of the following is India's National Aquatic Animal?
   (a) Gangetic Dolphins
   (b) Goonch Catfish
   (c) Mugger Crocodile
   (d) Golden Mahseer
   Answer: (a)

3. Which of the following bodies replaced Planning Co mission in 2015?
   (a) NIYAM Aayog
   (b) NAGRIK Aayog
   (c) NITI Aayog
   (d) None of these
   Answer: (c)

5. Which Bill can be introduced only in the Lok Sabha?
   (a) Financial Bill
   (b) Exchange Bill
   (c) Ordinary Bill
   (d) Money Bill
   Answer: (d)

6. In the Mahajanapad yug the Ujjain was the capital of
   (a) Matsya
   (b) Ashok
   (c) Vajji
   (d) Avanti
   Answer: (d)

7. Amarkantak is located in the _____District

(a) Shahpura
(b) Bhojpur
(c) Anuppur
(d) Itarsi

Answer: (c)

8. If NOVEMBER is coded REBMEVON and DECEMBER is coded REBMECED, then how is

OCTOBER coded?

(a) RETBOCO
(b) RTECBRO
(c) REBTOOC
(d) REBOTCO

Answer: (d)

9. The largest state by population in India is____.

(a) Uttar Pradesh
(b) Andhra Pradesh
(c) Maharashtra
(d) Madhya Pradesh

Answer: (a)

10. The largest free literature festival in the world is d in India annually. What is it called?

(a) Jaipur Literature Festival
(b) Bengaluru Literature Festival
(c) Mumbai Literature Festival
(d) Delhi Literature Festival

Answer: (a)

11. The river that flows parallel to the Narmada is

(a) Denwa
(b) Tawa
(c) Shipra
(d) Tapti

Answer: (d)

12. 'Bihu' is the festival that is mainly observed in

(a) Bihar
(b) Assam
(c) Kerala
(d) Rajasthan

Answer: (b)

13. Jim Corbett National park is situated in which state?
    (a) Uttarakhand
    (b) Uttar Pradesh
    (c) Himachal Pradesh
    (d) Assam
    Answer: (a)

14. Who was known as the Grand Old Man of India?
    (a) Gopal Krishan Gokhale
    (b) Bal Gangadhar Tilak
    (c) Mahatma Gandhi
    (d) Dadabhai Naoroji
    Answer: (d)

15. The ancient city of Ujjain lies on the banks of __ River.
    (a) Narmada
    (b) Kyashypa
    (c) Shipra
    (d) Tap
    Answer: (c)

17. Find the odd one out:
    (a) Ink and Inkpot
    (b) Pen and Nib
    (c) Oil and Lamp
    (d) Water and Bucket
    Answer: (b)

18. Find the odd one out:

2, 5, 10, 17, 27, 37
    (a) 10
    (b) 17
    (c) 27
    (d) 37
    Answer: (c)

19. In a certain code language, veny heny steny means get out man; steny shomy shelt means out of danger. Which is the word for steny in that code language?
    (a) man
    (b) of
    (c) out
    (d) danger
    Answer: (c)

20. If HANDLE is coded AHDNEL, then how is DISTANCE coded?
    (a) IDTSNAEC
    (b) IDTSNACE
    (c) IDTSANEC
    (d) DISTNACE
    Answer: (a)

24. Complete the series choosing the missing number:

1, 2, 3, 5, 8, 13, _____
    (a) 21
    (b) 24
    (c) 18
    (d) 17
    Answer: (a)

25. Complete the series choosing the missing number:

6, 13, 27, 48, _____
    (a) 76
    (b) 94
    (c) 136
    (d) 121
    Answer: (a)

26. Complete the series choosing the missing number:

18, 16, 13, 9, _____
    (a) 4
    (b) 2
    (c) 6
    (d) 7
    Answer: (a)

27. India's first Defence University is being set up in _____.
    (a) Haryana
    (b) Delhi
    (c) Punjab
    (d) Uttar Pradesh
    Answer: (a)

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

Statements:

All candles are lanterns

All lanterns are bulbs

Conclusions:

I. All lanterns are candles

II. All bulbs are candle

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

Answer: (a)

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

Statements:

All kerchiefs are towels

All towels are blankets

Conclusions:

I. All kerchiefs are blankets

II. All blankets are towels

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

Answer: (d)

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

Statements:

Some interviews are exams

All exams are tests

Conclusions:

I. All tests are exams

II. Some tests are interviews

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

Answer: (c)

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

Statements:

All word files are excel files

No excel file is a power point presentation

Conclusions:

I. No word file is a power point presentation

II. Some excel files are word files

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

Answer: (b)

32. Total number of districts in Madhya Pradesh are

(a) 50
(b) 33
(c) 49
(d) 51

Answer: (d)

33. Children's Day in India is observed on

(a) November 14
(b) November 15
(c) November 13
(d) November 12

Answer: (a)

35. Who is the Chairperson of the Central Board of Film Certification (CBFC)?

(a) Asha Parekh
(b) Prasoon Joshi
(c) Pahlaj Nihalani
(d) Anupam Kher

Answer: (b)

36. Complete the series choosing the missing letters:

X, V, T, R, P, _____

(a) N
(b) O
(c) M
(d) L

Answer: (a)

37. Consider a group comprising of 4 students: Reen, Beena, Meena, and Neena, who stand in a row. Reen and Beena stand in 6th and 7th position respectively from the left. Meena and Neena stand in the 4th and 5th positions respectively from the right. When Beena and Meena exchange their positions, then Beena will be 15th from the left.

Reena's position from the right is:

4

(a) 6
(b) 18
(c) 13
(d) 14

Answer: (c)

39. In a certain code nek pek dek means read my book and dek sek wek means a book stand .which is the word for book in that language?

(a) dek
(b) wek
(c) sek
(d) nek

Answer: (a)

40. + ⇒ Multiply

* ⇒ Division

⇒ Addition

- ⇒ Equal to

= ⇒Minus

+ ⇒

15 = 3 + 4 / 2 * 2

(a) 6
(b) 25
(c) 5
(d) 2

Answer: (d)

Mental Ability and Mental Aptitude

4. In what ratio must the water be mixed with milk costing Rs. 40 per liter to obtain a mixture worth of Rs. 36 per liter.

(a) 9 : 1
(b) 3 : 4
(c) 1 : 8
(d) 1 : 9

Answer: (d)

5. Three men, A, B and C can do a piece of work in 10 days. B and C can do it in 20 days; while C alone can do it in 30 days. In how many days can A and B do the work together?

(a) 10
(b) 20
(c) 5
(d) 15

Answer: (d)

6. How many numbers between 100 and 500 are divisible by 4, 5, and 6?

(a) 5
(b) 6
(c) 7
(d) 8

Answer: (c)

7. The product of ages of Mark and John are 15. If John's age is subtracted from Mark's age, the result is 2. Find Mark's age.

(a) 3

(b) 5

(c) 10

(d) 6

Answer: (b)

8. A shopkeeper bought 6 tons of wheat and sold 4.7 tons of it. How many kilograms of wheat does he have with him now?

(a) 13 kg

(b) 1300 kg

(c) 130 kg

(d) 13000 kg

Answer: (b)

9. A shopkeeper bought 6 tons of wheat and sold 4.7 tons of it. How many kilograms of wheat does he have with him now?

(a) 13 kg

(b) 1300 kg

(c) 130 kg

(d) 13000 kg

Answer: (b)

10. When I asked my friend Rajani about he[illegible]e, s[illegible] said that, she has two siblings, for sure not twins, and the product of the ages of the thre[illegible] and the sum of their ages is an odd number where both the digits were different. What is my friend's age if she is the eldest of the three?

(a) 5

(b) 13

(c) 7

(d) 15

Answer: (d)

12. Arpit can make a table in three days, while his friend, Mukul, can make it in six days. If Arpit and Mukul work together, both of them can make the table in:

(a) 1 day

(b) 2 days

(c) 4 days

(d) 3 days

Answer: (b)

13. Average marks of a class of 25 decreases by 2 marks when the marks of 30 students second class are to first class. If average marks of second class students is 65. What were average marks of first class?

(a) 68.7
(b) 60.7
(c) 55
(d) 45

Answer: (a)

14. If the average weight of 30 men is 65 Kg and that of 20 women is 52 Kg, then what is the average weight of all 50 persons together?

(a) 57 Kg
(b) 60 Kg
(c) 67 Kg
(d) 50 Kg

Answer: (b)

15. A person saves 8% of his income. His income increases by 16%, but the savings remain the same. Find the increase in the expenditure.

(a) 17.3%
(b) 10%
(c) 12.5%
(d) 14.9%

Answer: (a)

16. If a boat takes thrice as much time to go upstream as it takes to go downstream, what is the ratio of the speed of the boat in still water to the speed of the stream?

(a) 1 : 2
(b) 3 : 1
(c) 2 : 1
(d) 1 : 3

Answer: (c)

17. A pencil and a rubber currently have the same price. How much more will it cost to buy 3 pencils and 3 rubbers, if the price of the pencil rises by 5% and the price of rubber rises by 3%?

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

Answer: (a)

18. Two years ago, the average age of three members of a club was 30. When two more members have joined the club today, the average age of these five members remains unchanged. If the age difference between the new members is six years, then what is the age of the younger of the two new members? / 2

(a) 24 years
(b) 28 years
(c) 30 years
(d) 33 years

Answer: (a)

19. In a test, 40 % of the students passed in Science; 50 % passed in English; and 10 % passed in both the subjects. Find the percentage of students who have failed.

(a) 25 %
(b) 20 %
(c) 10 %
(d) 15 %

Answer: (b)

20. The sum of the place values of 5 and 3 in the number 275438 is:

(a) 2
(b) 5438
(c) 51
(d) 5030

Answer: (d)

21. If an 80 metre train takes 15 min to cross a tre platform, then, how long will it take for the train to cross another train, of 120 metres, which is stationed on another parallel track?

(a) 20 min
(b) 30 min
(c) 50 min
(d) 40 min

Answer: (a)

22. The area of the sector of a circle of radius 6 cm, whose angle at the centre is 42 degrees will be:

(a) 15.4 sq cm
(b) 12.1 sq cm
(c) 14.3 sq cm
(d) 13.2 sq cm

Answer: (d)

23. The allotted seats in an engineering college for computer science, electronics and mechanical in the ratio 5 : 8 : 9. There is a proposal to increase the number of seats by 40%, 25% and 50%, respectively. Find the new ratio of the increased seats.

(a) 15 : 17 : 19

(b) 19 : 21 : 20

(c) 14 : 20 : 21

(d) 20 : 19 : 21

Answer: (c)

24. Find the average of first 15 natural numbers?

(a) 4

(b) 6

(c) 10

(d) 8

Answer: (d)

25. A train, 100 m long is running at the speed of 45 kmph. Find the time taken by it to pass a man standing near the railway track.

(a) 8 sec

(b) 10 sec

(c) 12 sec

(d) 2 sec

Answer: (a)

26. Anuj started a business by investing a sum of Rs. 20,000. Six months later, Pankaj joined him with a capital of Rs. 15,000; after another three months, Puneet joined the team by investing Rs. 50,000. Find the ratio of the profit the three get at the end of two years.

(a) 3 : 2 : 1

(b) 8 : 3 : 5

(c) 14 : 12 : 11

(d) 16 : 9 : 25

Answer: (d)

28. Find the sum of the given series:

1 + 2 + 4 + 8 + 16 + 32 + 64 + 128 + 256 + 512 + 1024

(a) 2047

(b) 2235

(c) 2389

(d) 2014

Answer: (a)

29. Find the average.

112, 118, 126, 132, 142 & 156

(a) 131

(b) 127

(c) 130

(d) 129

Answer: (a)

Science and Simple Arithmetic

3. A man buys a plot of agricultural land for Rs. 300000. He sells one-third at a loss of 20% and two-fifth at a gain of 25%. At what price must he sell the remaining land so as to make an overall profit of 10%?

(a) Rs. 150000 / 150000 .

(b) Rs. 90000 / 90000 .

(c) Rs. 120000 / 120000 .

(d) Rs. 100000 / 100000 .

Answer: (d)

4. ABCD is a parallelogram and its diagonals meet at O. If OB = 4cm and AC is 5cm more than BD, then OA = ____.

(a) 3cm

(b) 7cm

(c) 13cm

(d) 6.5cm

Answer: (d)

5. Find the value of x, if 4x = 982 - 882.

(a) 186

(b) 564

(c) 465

(d) 1860

Answer: (c)

6. Three numbers are to one another as 2: 3: 4. The sum of their cubes is 33957. The numbers are:

(a) 6, 9, 12

(b) 14, 21, 28

(c) 7, 14, 21

(d) 8, 12, 16

Answer: (b)

7. 5929 Students are sitting in an auditorium in such a manner that there are as many students in a row as there are rows in the auditorium. The number of rows in the auditorium are: / 5929

(a) 72
(b) 77
(c) 35
(d) 78

Answer: (b)

8. If an equilateral triangle ABC is inscribed in a circle with center O, then the measure of AOB = _____.

(a) 120
(b) 90
(c) 60
(d) 150

Answer: (a)

10. The difference between the simple and compound interest on a certain sum for 3 years at 10% per annum is Rs. 186. Which of the following is the sum?

(a) Rs. 6500 / 6500 .
(b) Rs. 6000 / 6000 .
(c) Rs. 9000 / 9000 .
(d) Rs. 12000 / 12000 .

Answer: (b)

12. Health is a determinant factor for being `ll in er to:

(a) Function efficiently only
(b) Be mentally alert only
(c) Be actively involved in society only
(d) All the above

Answer: (d)

13. The cells are thin walled and enclose large intercellular spaces. The cells are living and they store food. The above mentioned features are applicable to:

(a) Sclerenchyma
(b) Meristematic cells
(c) Collenchyma
(d) Parenchyma

Answer: (d)

14. To digest cellulose, termites have _____ in their intestine.

(a) bacteria
(b) protozoa
(c) viruses
(d) fungi

Answer: (a)

16. The photoreceptor cells of the eye, sensitive to bright light is:
    (a) Cones
    (b) Rods
    (c) Iris
    (d) Pupil
    Answer: (a)

17. Group of organisms that resemble each other are:
    (a) Biosphere
    (b) Community
    (c) Species
    (d) Biotic community
    Answer: (c)

18. Which one of the below mentioned diseases can be prevented by vaccination?
    (a) Diabetes
    (b) Hepatitis
    (c) Cancer
    (d) AIDS
    Answer: (b)

19. Use of agriculture farming system with minimum c ɔ use of chemicals, use of maximum input of manure, farm wastes and bioagents is known as:
    (a) Biofertilizer farming
    (b) Organic farming
    (c) Genetic manipulation
    (d) Biochemical farming
    Answer: (b)

20. Name the phylum in which the animals have water vascular system.
    (a) Mollucus
    (b) Platyhelminthes
    (c) Coelenterate
    (d) Echinodermata
    Answer: (d)

21. Electrolysis of aluminum oxide is an example of _____.
    (a) Formation reaction
    (b) Decomposition reaction
    (c) Displacement reaction
    (d) Double decomposition reaction
    Answer: (b)

22. The disease caused by breathing polluted air is:
    (a) Chicken pox
    (b) Jaundice
    (c) Asthma
    (d) Cholera
    Answer: (c)

23. Earth's magnetic field is directed towards _____.
    (a) South
    (b) East
    (c) North
    (d) West
    Answer: (c)

24. Identify the INCORRECT statement from the following.
    (a) Epithelial tissue is present in the lining of lung alveoli.
    (b) Epithelial tissue has lot of intercellular space.
    (c) Epithelial tissue layer is permeable layer.
    (d) Epithelial tissue is protective tissue in animal body.
    Answer: (b)

25. When there is an electric current passing through wire, the particles moving through the wire are_____.
    (a) protons
    (b) atoms
    (c) ions
    (d) electrons
    Answer: (d)

27. Which one of the following is responsible for the difference in the voices of men, women and babies?
    (a) Vocal cords
    (b) Lungs
    (c) Pharynx
    (d) Wind pipe
    Answer: (a)

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

2	**(a)**	3	**(c)**	5	**(d)**	6	**(d)**	7	**(c)**	8	**(d)**
9	**(a)**	10	**(a)**	11	**(d)**	12	**(b)**	13	**(a)**	14	**(d)**
15	**(c)**	17	**(b)**	18	**(c)**	19	**(c)**	20	**(a)**	24	**(a)**
25	**(a)**	26	**(a)**	27	**(a)**	28	**(a)**	29	**(d)**	30	**(c)**
31	**(b)**	32	**(d)**	33	**(a)**	35	**(b)**	36	**(a)**	37	**(c)**
39	**(a)**	40	**(d)**								

Mental Ability and Mental Aptitude

4	**(d)**	5	**(d)**	6	**(c)**	7	**(b)**	8	**(b)**	9	**(b)**
10	**(d)**	12	**(b)**	13	**(a)**	14	**(b)**	15	**(a)**	16	**(c)**
17	**(a)**	18	**(a)**	19	**(b)**	20	**(d)**	21	**(a)**	22	**(d)**
23	**(c)**	24	**(d)**	25	**(a)**	26	**(d)**	28	**(a)**	29	**(a)**

Science and Simple Arithmetic

3	**(d)**	4	**(d)**	5	**(c)**	6	**(b)**	7	**(b)**	8	**(a)**
10	**(b)**	12	**(d)**	13	**(d)**	14	**(a)**	16	**(a)**	17	**(c)**
18	**(b)**	19	**(b)**	20	**(d)**	21	**(b)**	22	**(c)**	23	**(c)**
24	**(b)**	25	**(d)**	27	**(a)**						