PREVIOUS YEAR PAPER

MP Police Constable 2017 — 5 September 2017, Shift 1

MP Police Constable · 5 September 2017 · 09:00 AM

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

Left out of the original paper: 24 (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 5 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-2017-5-sep-shift-1/

General Knowledge and Logical Knowledge

1. Sardar Vallabhbhai Patel National Police Academy is located in _____.
   (a) Ranchi
   (b) Bhopal
   (c) Hyderabad
   (d) Dehradun
   Answer: (c)

2. If CONDITION is coded NOITIDNOC, then how is SI ATION coded?
   (a) NOITAUTIS
   (b) NOITUATIS
   (c) NOITATUIS
   (d) NOITAUITS
   Answer: (a)

3. How many different seven letter words can be formed using the letters of the word 'AMERICA', if repetition is not allowed.
   (a) None of the above
   (b) 5040
   (c) 2520
   (d) 1260
   Answer: (c)

4. Which chief minister has held office for the longest duration in a state?
   (a) Mamta Banerjee
   (b) Biju Patnaik
   (c) Jyoti Basu
   (d) Narendra Modi
   Answer: (c)

5. Which is the highest civilian award in India?
   (a) Bharat Ratna
   (b) Padma Vibhushan
   (c) Param Vir Chakra
   (d) Jnanapith
   Answer: (a)

6. Which metro recently launched India's first mobile ticketing system?
   (a) Kolkata metro
   (b) Mumbai metro
   (c) Bengaluru metro
   (d) Kochi metro
   Answer: (b)

7. What is the probability of drawing a face card out of a pack of 52 cards?
   (a) 3/13
   (b) 2/13
   (c) 1/4
   (d) 1/2
   Answer: (a)

8. The largest producer of Lignite in India is
   (a) Gujarat
   (b) Tamil Nadu
   (c) Rajasthan
   (d) Kerala
   Answer: (b)

9. If PLACIDA is coded OKZBHCZ, then how is HONGKONG coded?
   (a) GNMFJMNF
   (b) GNMFJNMF
   (c) GNMEJNMF
   (d) GNMFJOMF
   Answer: (b)

11. With which of these states does Maharashtra share its borders?
   (a) Telangana
   (b) Rajasthan
   (c) Odisha
   (d) Kerala
   Answer: (a)

12. The two main gaseous components of the atmosphere are oxygen and____.
    (a) Argon
    (b) Ammonia
    (c) Carbon Dioxide
    (d) Nitrogen
    Answer: (d)

13. Who was the first Prime Minister of India?
    (a) Sri Lal Bahadur Shastri
    (b) Smt Indira Gandhi
    (c) None of these
    (d) Dr. Rajendra Prasad
    Answer: (c)

14. Who was the first Chairman of Unique Identification Authority of India (UIDAI)?
    (a) Nandan Nilekani
    (b) Arun Shourie
    (c) J Satyanarayana
    (d) Ravi Gupta
    Answer: (a)

15. Who was the first Chief Justice of India when the Supreme Court was established on January 26, 1950?
    (a) Sir Maurice Gwyer
    (b) BR Ambedkar
    (c) HJ Kania
    (d) M. Patanjali Shastri
    Answer: (c)

16. Who was honoured with the 25th Vyas Samman for 2015 for Hindi Poetry?
    (a) Tara Singh
    (b) Sunita Jain
    (c) Prasoon Joshi
    (d) Ashok Chakradhar
    Answer: (b)

17. According the Census 2011, which district has the lowest literacy rate in Madhya Pradesh?
    (a) Jhabhua
    (b) Sheopur
    (c) Alirajpur
    (d) Barwani
    Answer: (c)

18. Race Course Road in Delhi, where the Prime Minister resides as renamed as
    (a) Aurobindo Marg
    (b) Jan Seva Marg
    (c) Lok Kalyan Marg
    (d) Pradhan Mantri Marg
    Answer: (c)

19. The famous song 'Sare Jahan Se Achcha.....' was composed by.
    (a) Bankim Chandra Chatterjee
    (b) Rabindranath Tagore
    (c) Syed Ahmed Khan
    (d) Mohammad Iqbal
    Answer: (d)

20. The first river island district of India is
    (a) Majuli
    (b) Divar
    (c) Omkareshwar
    (d) Khandwa
    Answer: (a)

21. Sundar Mahal is a tourist place located in
    (a) Kandariya
    (b) Mandu
    (c) Orchha
    (d) Khajuraho
    Answer: (c)

22. _____ was given the status of the 17th zone of the Indian Railways in 2010.
    (a) North Western Railway
    (b) North East Frontier Railway
    (c) West Central Railway
    (d) Metro Railway, Kolkata
    Answer: (d)

23. The 8th BRICS Summit was held in 2016 in
    (a) Goa
    (b) New Delhi
    (c) Bihar
    (d) Madhya Pradesh
    Answer: (a)

24. In the following question, some group of letters is given, all of which, except one, share a common similarity while one is different.

Choose the odd one out:

(a) PQ
(b) MO
(c) TU
(d) DE

Answer: (b)

25. Find the next expression in the series:

ABBZ, CDDY, EFFX, _____?

(a) GHHW
(b) GHHY
(c) GHHX
(d) HGGW

Answer: (a)

26. Find the odd one out:

18, 27, 45, 63, 72, 117

(a) 117
(b) 18
(c) 45
(d) 72

Answer: (d)

27. Name the tribe that actively participated in the revolt of 1857.

(a) Gonds
(b) Bhils
(c) Baiga
(d) Korku

Answer: (b)

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

Statements:

All cars are buses

Some trams are not cars

Conclusions:

I. All trams are buses

II. Some trams are buses

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

Answer: (d)

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

Statements:

Some frogs are fishes

Conclusions:

I. Some reptiles are fishes

II. All reptiles are fishes

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

Answer: (d)

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

Statements:

No pearl is ruby

Some rubies are diamonds

Conclusions:

I. No pearl is diamond

II. Some diamonds are rubies

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

Answer: (c)

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

Statements:

All boys are singers

Some boys are not artists

Conclusions:

I. Some singers are not artists

II. All artists are singers

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

Answer: (b)

32. If MPOEPO is coded LONDON, then how is IVOHSZ coded?

(a) HONDUS
(b) MEXICO
(c) HUNGRY
(d) HOLAND

Answer: (c)

33. Complete the series choosing the missing letter/s:

p__qp__rpqqr__pp__qp

(a) r, p, q, r
(b) r, r, p, q
(c) q, q, r, r
(d) r, q, r, q

Answer: (a)

34. Complete the series choosing the missing number:

2, 20, ____, 380, 1532

(a) 82
(b) 90
(c) 70
(d) 92

Answer: (d)

35. Complete the series choosing the missing number:

3, _____, 9, 15, 23, 33

(a) 4
(b) 6
(c) 5
(d) 8

Answer: (c)

36. Complete the series choosing the missing number:

4, 11, 25, _____, 109, 221

(a) 40
(b) 58
(c) 50
(d) 53

Answer: (d)

37. In a certain code language students are crazy is written as ast munol gokon and Teachers are gtreat is written as silal fesp ast, then how is are coded?

(a) ast
(b) silal
(c) munol
(d) fesp

Answer: (a)

Mental Ability and Mental Aptitude

6. Two pipes P and Q can fill a tank in 8 hrs and 10 hrs respectively. If both are opened for 2 hrs and after that the first pipe is closed, then how much more time will the second pipe take to fill the tank?

(a) 5.5 hrs
(b) 6 hrs
(c) 5 hrs
(d) 6.5 hrs

Answer: (a)

7. Sum of the areas of two squares is 25 sqcm. 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)

8. What amount, when invested at 20% p.a. for 2 years would become Rs. 720?

(a) Rs. 500
(b) Rs. 560
(c) Rs. 1,036.8
(d) Rs. 890

Answer: (a)

9. Simple interest on Rs. 600 at 18% per an[illegible] months is:

(a) Rs. 108
(b) Rs. 150
(c) Rs. 81
(d) Rs. 91

Answer: (c)

10. Rs. 1500 are divided among A, B and C in such a manner that A : B = 5 : 2 and B : C = 7 : 13, What is B's share?

(a) Rs. 700
(b) Rs. 500
(c) Rs. 280
(d) Rs. 350

Answer: (c)

11. In an election contested by two candidates, 6% of the voters abstained from voting and the winner won by 6,000 votes securing 48% of the total votes. How many votes did the loser get?

(a) None of the above

(b) 138000

(c) 144000

(d) 120000

Answer: (b)

12. If the age of A and B is in the ratio of 1:2 and the age of B and C is in the ratio of 2:3. Find the ratio of the age of A to C.

(a) 1:3

(b) 3:2

(c) 1:2

(d) 1:1

Answer: (a)

13. If the difference between discount of 30% and two successive discounts of 20% and 10% is Rs. 144, then, find the list price of the article.

(a) Rs. 7,200

(b) Rs. 8,200

(c) Rs. 6,200

(d) Rs. 9,200

Answer: (a)

15. A basket contains 10 apples and 15 Oranges. The cost of one apple is Rs. 9 and the cost of 2 oranges is Rs. 10. Find the average cost of the apples and 15 oranges combined.

(a) Rs. 34

(b) Rs. 32

(c) Rs. 33

(d) Rs.3 6

Answer: (c)

17. Solly is five times as old as his sister. After 10 years, he would be thrice as old as what she would be then. What is the present age of Solly?

(a) 40 years

(b) 50 years

(c) 30 years

(d) 20 years

Answer: (b)

18. A can do a work in 20 days. B is 25 % more efficient than A. The number of days taken by B to do the same piece of work is:

(a) 16
(b) 18
(c) 15
(d) 25

Answer: (a)

19. The speed of a train is 40 kmph. How much distance will the train cover in 150 minutes?

(a) 60 km
(b) 120 km
(c) 80 km
(d) 100 km

Answer: (d)

20. If Rs. 2,80,000 is the 2/7 percent of cost of a house, then the value of the house is:

(a) Rs. 12,00,000
(b) Rs. 10,00,000
(c) Rs. 8,00,000
(d) Rs. 9,80,000

Answer: (d)

21. A is twice and B is 5 times as old as C. Two years ago, B was twice as old as A and C together. Find their present ages.

(a) 21, 32, 8
(b) 24, 32, 6
(c) 30, 21, 6
(d) 12, 30, 6

Answer: (d)

22. The average age of the 27 girls in a class is 13. The teacher is 41 years old. What is the average age including the teacher?

(a) 34
(b) 20
(c) 27
(d) 14

Answer: (d)

23. The average of 8 numbers is 12. If each number is increased by 3, what will be the new average? / 8

(a) 13
(b) 14
(c) 17
(d) 15

Answer: (d)

24. A train of 105 m long is running with a speed of 50 kmph. In what time will it pass a man who is running at 4 kmph in the opposite direction to that in which the train is moving?

(a) 7 sec
(b) 10 sec
(c) 5 sec
(d) 12 sec

Answer: (a)

27. A number is such that 8 times the sum of its digit equals the number. If 45 is subtracted from it, then the digits are reversed.

What will be the number?

(a) 23
(b) 27
(c) 32
(d) 72

Answer: (d)

28. Find the average.

29, 33, 37, 41, 45 & 49

(a) 31
(b) 39
(c) 37
(d) 35

Answer: (b)

Science and Simple Arithmetic

3. If the marked price is Rs. 750 and selling price is Rs. 690. The % of discount is:

(a) 9%
(b) 10%
(c) 7%
(d) 8%

Answer: (d)

4. Which of the following briefly describes the desert climate?

(a) Hot and humid
(b) Hot and dry
(c) Hot and wet
(d) Dry and humid

Answer: (b)

5. Which is the smallest number when multiplied with 10584 will make the product a perfect cube?

(a) 8
(b) 7
(c) 9
(d) 4

Answer: (b)

6. A chord of a circle of radius 17 cm with centre 'O' is of length 30 cm, its distance from the centre is: 17

(a) 9 cm
(b) 12 cm
(c) 8 cm
(d) 14 cm

Answer: (c)

7. How many natural numbers lie between the squares of the natural numbers 56 and 57?

(a) 114
(b) 112
(c) 124
(d) 142

Answer: (b)

8. How many 3 cm cubes can be cut-off from a cube whose edge is 15 cm?

(a) 115
(b) 130
(c) 125
(d) 150

Answer: (c)

9. The metal which is suitable for making a permanent magnet is:

(a) Soft iron
(b) Copper
(c) Radio metal
(d) Steel

Answer: (d)

10. Rainbow formation is an example for:

(a) Polarization
(b) Dispersion
(c) Scattering
(d) Reflection

Answer: (b)

11. We get the smell of hot coffee from a distance, but not that of cold coffee. This is because:
(a) Molecules have higher kinetic energy at higher temperature and can travel farther
(b) Molecules have higher potential energy at higher temperature and can travel farther
(c) Molecules dissolve faster and spread across at higher temperature
(d) More number of molecules dissolves at higher temperature

Answer: (a)

13. The famous movement that was started by women of Advani village in Tehri-Garwal against felling of trees is known as:
(a) Bahugana movement
(b) Appiko movement
(c) Bishnoi movement
(d) Chipko movement

Answer: (d)

15. Goitre is caused due to deficiency of:
(a) Iodine
(b) Vitamin C
(c) Fluorine
(d) Vitamin A

Answer: (a)

16. _____bring impulses towards the cell body of uron.
(a) Dendrites
(b) Muscles
(c) Nerves
(d) Axon

Answer: (a)

17. The tool used to remove weeds from the field is:
(a) Axe
(b) Plough
(c) Hoe
(d) Cultivator

Answer: (c)

18. Although woolen sweaters have small pore, they keep us warm because pores, contain:
(a) Air which is good conductor of heat
(b) Air which is bad conductor of heat
(c) Moisture that keeps us warm
(d) Woolen is warm in nature

Answer: (b)

21. Which one of the following is NOT a natural resource?

(a) Sunlight
(b) Wind
(c) Electricity
(d) Water

Answer: (c)

22. ABCD is a parallelogram and the diagonals AC and BD meet at 'O'. If AO = 6 cm and BD is 2 cm less than AC, then BO =_____.

(a) 4.5 cm
(b) 5.5 cm
(c) 5 cm
(d) 4 cm

Answer: (c)

23. A certain sum amounts to Rs. 10816 in 2 years at 4% per annum compound interest. Find the sum.

(a) Rs. 10100
(b) Rs. 10000
(c) Rs. 9980
(d) Rs. 9890

Answer: (b)

26. If the diagonals of a rhombus are 16 cm and 12 cm then the length of its side is:

(a) 5 cm
(b) 8 cm
(c) 10 cm
(d) 4 cm

Answer: (c)

27. A solar cell converts:

(a) Mechanical energy to electrical energy
(b) Chemical energy to light energy
(c) Chemical energy to mechanical energy
(d) Light energy to electrical energy

Answer: (d)

29. In a grouped frequency distribution, the data is presented using the same class size and the seventh class being 30-35 (where 35 is not included). Then the lower limit of the second class interval is:

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

Answer: (d)

30. Branch of Biology which deals with the study of tissues and their organization is called_____.

(a) Taxonomy

(b) Histology

(c) Cytology

(d) Morphology

Answer: (b)

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	**(a)**	3	**(c)**	4	**(c)**	5	**(a)**	6	**(b)**	7	**(a)**	8	**(b)**
9	**(b)**	11	**(a)**	12	**(d)**	13	**(c)**	14	**(a)**	15	**(c)**	16	**(b)**	17	**(c)**
18	**(c)**	19	**(d)**	20	**(a)**	21	**(c)**	22	**(d)**	23	**(a)**	24	**(b)**	25	**(a)**
26	**(d)**	27	**(b)**	28	**(d)**	29	**(d)**	30	**(c)**	31	**(b)**	32	**(c)**	33	**(a)**
34	**(d)**	35	**(c)**	36	**(d)**	37	**(a)**								

Mental Ability and Mental Aptitude

6	**(a)**	7	**(b)**	8	**(a)**	9	**(c)**	10	**(c)**	11	**(b)**	12	**(a)**	13	**(a)**
15	**(c)**	17	**(b)**	18	**(a)**	19	**(d)**	20	**(d)**	21	**(d)**	22	**(d)**	23	**(d)**
24	**(a)**	27	**(d)**	28	**(b)**										

Science and Simple Arithmetic

3	**(d)**	4	**(b)**	5	**(b)**	6	**(c)**	7	**(b)**	8	**(c)**	9	**(d)**	10	**(b)**
11	**(a)**	13	**(d)**	15	**(a)**	16	**(a)**	17	**(c)**	18	**(b)**	21	**(c)**	22	**(c)**
23	**(b)**	26	**(c)**	27	**(d)**	29	**(d)**	30	**(b)**						