PREVIOUS YEAR PAPER

MP Police Constable 2017 — 10 September 2017, Shift 1

MP Police Constable · 10 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 10 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-2017-10-sep-shift-1/

General Knowledge and Logical Knowledge

1. In which year did the Constituent Assembly hold its first meeting ?

(a) 1945
(b) 1949
(c) 1947
(d) 1946

Answer: (d)

3. Konark temple is situated in the state of

(a) Andhra Pradesh
(b) Odisha
(c) Kerala
(d) Madhya Pradesh

Answer: (b)

4. When was the Gandhi-Irwin Pact signed?

(a) 1931
(b) 1929
(c) 1932
(d) 1935

Answer: (a)

5. Which city in India has the oldest metro?

(a) Kolkata
(b) Bengaluru
(c) Mumbai
(d) Delhi

Answer: (a)

6. Which of the following is not a World Heritage Site according to UNESCO?
   (a) Chhatrapti Shivaji Terminus
   (b) Elephanta Caves
   (c) Mysore Palace
   (d) Hill Forts, Rajasthan
   Answer: (c)

7. Which of the following does the concept of 'Secularism' in the Constitution of India envisage?
   (a) Hinduism as State religion
   (b) Rejection of all religions
   (c) None of the above
   (d) Equal status for all religions
   Answer: (d)

8. Which of the following is the world's first airport to fully operate on Solar power?
   (a) Devi Ahilyabai Holkar International Airport
   (b) Cochin International Airport
   (c) Amritsar International Airport.
   (d) Raja Bhoj International Airport
   Answer: (b)

9. WWF launched "Project Tiger" in Madhya Pradesh ne year
   (a) 1979
   (b) 1969
   (c) 1973
   (d) 2000
   Answer: (c)

10. "Jana-gana-mana" was composed by
   (a) Rabindranath Tagore
   (b) Bankim Chandra Chatterjee
   (c) Muhammad Iqbal
   (d) Sarojini Naidu
   Answer: (a)

11. In the absence of the President and Vice-President, who discharges the functions of the President?
   (a) Attorney General
   (b) Comptroller and Auditor-General
   (c) Chief Justice of India
   (d) Advocate General
   Answer: (c)

12. Dam that is built on Chambal which is on the border between Rajasthan and Madhya Pradesh is the

(a) Gandhi Sagar Dam
(b) Sardar Sarovar Dam
(c) Indira Gandhi Dam
(d) Sanjay Sagar Dam

Answer: (a)

13. Chitrakoot is a popular name from the epic period of Ramayana. Chitrakoot is located in District

(a) Sidhi
(b) Panna
(c) Rewa
(d) Satna

Answer: (d)

14. Fundamental Rights are enshrined in the Constitution in :

(a) Part III
(b) Part IV
(c) Part VI
(d) Part I

Answer: (a)

15. Khajuraho was the capital to the____ Rulers.

(a) Chandela
(b) Kanha
(c) Mauryian
(d) Satavahana

Answer: (a)

16. Mohammedan Anglo Oriental College, which later became Aligarh Muslim University was founded by

(a) Khan Abdul Ghaffar Khan
(b) Maulana Abul Kalam Azad
(c) Rafi Ahmed Kidwai
(d) Sir Syed Ahmad Khan

Answer: (d)

17. Asirgarh fort is located in

(a) Khandwa
(b) Khargone
(c) Burhanpur
(d) Betul

Answer: (c)

18. Sonagiri is famous for its__.
    (a) Buddhist Stupas
    (b) Hindu Temples
    (c) Mosques
    (d) Jain Temples
    Answer: (d)

19. If ABCDEF is coded ZYXWVU, then how is TOYATA coded?
    (a) ZGLBLG
    (b) LGBGZL
    (c) GLBZGZ
    (d) GBLBGZ
    Answer: (c)

20. Who founded the Viswa Bharti University in 1939?
    (a) Rabindranath Tagore
    (b) Subhas Chandra Bose
    (c) Jawaharlal Nehru
    (d) Swami Vivekananda
    Answer: (a)

21. Who is the Lieutenant Governor of Delhi?
    (a) Tejendra Khanna
    (b) Anil Baijal
    (c) Sahib Singh Verma
    (d) Najeeb Jung
    Answer: (b)

22. Find the odd one out
    (a) Wolf
    (b) Panther
    (c) Lion
    (d) Tiger
    Answer: (a)

23. Find the odd one out:
    (a) Heavy and Light
    (b) Wish and Desire
    (c) Wealth and Money
    (d) Tree and Plant
    Answer: (a)

25. In a certain code language, You are good means Lu Le La; They are players means Le Ne Me; He is good means La Si Su. Which is the word for Lu in that code language?

(a) He
(b) They
(c) You
(d) Good

Answer: (c)

26. In a certain code language, pik nik k means work very hard, dum dam nik means make it hard, kik pik sik means heavy work load. Which is the word for very in that code language?

(a) pik
(b) nik
(c) k
(d) dam

Answer: (c)

27. If HALF is coded IAMG and TWICE is coded UXIDE, then how is OFTEN coded?

(a) PGUFO
(b) PGUEO
(c) OGUFO
(d) OGUEO

Answer: (d)

28. If OBDURATE is coded BODURAET, then how is .NACING coded?

(a) GNICANEM
(b) GNCINAEM
(c) EMNACIGN
(d) EMANICGN

Answer: (c)

29. A bag contains 6 black and 4 red balls. What is the probability of drawing first a black and then a red ball in two successive a empts if the first drawn ball is replaced into the bag?

(a) 0.24
(b) 0.27
(c) 0.50
(d) 0.12

Answer: (a)

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

A, E, I, M, _____

(a) Q
(b) P
(c) T
(d) O

Answer: (a)

34. Complete the series choosing the missing number:

12, 36, 18, 54, 27, _____

(a) 81
(b) 64
(c) 33
(d) 48

Answer: (a)

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

Statements:

Some trees are pens

All pens are erasers

Conclusions:

I. All erasers are pens

II. Some erasers are trees

(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)

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

Statements:

Some poets are files

Some files are fleas

Conclusions:

I. Some poets are fleas

II. No files are fleas

(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)

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

Statements:

No flower is a fruit

No fruit is a plant

Conclusions:

I. No flower is a plant

II. Some plants are fruits

(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)

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

Statements:

All thieves are statesmen

Some women are thieves

Conclusions:

I. No women are statesmen

II. Some thieves are women

(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)

39. Complete the series choosing the missing number:

3, 4, 10, 33, 136, 685, _____

(a) 4116
(b) 4868
(c) 2486
(d) 3442

Answer: (a)

40. Complete the series choosing the missing number:

30, 42, 56, 72, 90, _____

(a) 130
(b) 100
(c) 125
(d) 110

Answer: (d)

Mental Ability and Mental Aptitude

4. The product of largest 4-digit and smallest 5-digit number is:

(a) 99900000
(b) 9990000
(c) 99990000
(d) 9999000

Answer: (c)

5. A shoe company sold 50 pairs of shoes costing Rs. 189.50 each for Rs. 10,000. What is the profit?

(a) Rs. 525
(b) Rs. 425
(c) Rs. 325
(d) Rs. 625

Answer: (a)

6. Shyamlal was 5 times older than Ramlal 10 years ago. After 10 years, Shyamlal will be three times as old as Ramlal. Find the present age of Ramlal.

(a) 45
(b) 20
(c) 32
(d) 30

Answer: (d)

7. What is the time taken by two trains, each 120 m in length, running in the same direction, and running at a speed of 45 kmph and 55 kmph, respectively, to pass each other?

(a) 100.2 sec
(b) 55.7 sec
(c) 64.8 sec
(d) 86.4 sec

Answer: (d)

8. What is the least number to be subtracted from ? 3, which is exactly divisible by 23?

(a) 16
(b) 18
(c) 14
(d) 17

Answer: (d)

9. The least number that must be subtracted from 8143 so that the remainder is exactly divisible by 82 is:

(a) 100
(b) 50
(c) 75
(d) 25

Answer: (d)

10. A dairy farmer's can contains 6 litres of milk. His wife adds some water to it such that milk and water are in the ratio 4 : 1. How many litres of milk should the farmer add so that the milk and water are in the ratio 5 : 1?

(a) 1.8
(b) 1.5
(c) 1.0
(d) 1.2

Answer: (b)

11. A person buys goods for Rs. 6,000. He gets a discount of 10 % and pays sales tax 6 %. Find the amount he have to pay for the goods?

(a) Rs. 5,780
(b) Rs. 5,760
(c) Rs. 5,700
(d) Rs. 5,740

Answer: (b)

12. A tank can be filled by 25 buckets each of capacity 15 litres. How many buckets of capacity 10 litres, would fill the tank?

(a) 40
(b) 37 and a half
(c) 35 and a half
(d) 30

Answer: (b)

13. If 13 men can paint a wall 39 m long and [illegible] in 24 days, how many men are required to paint another wall, which is 15 m long and 12 m high, in 16 days?

(a) 12
(b) 26
(c) 20
(d) 15

Answer: (d)

14. 128.57 % of 84 + 262.5 % of 48 + 22.22 % of 27 = ? %=?

(a) 230
(b) 210
(c) 220
(d) 240

Answer: (d)

15. A and B can do a piece of work in 30 days; B and C can do the same work in 24 days; and C and A in 20 days. They all work together for 10 days, when B and C decide to quit. How many more days will A take to complete the given task?

(a) 15 days
(b) 12 days
(c) 20 days
(d) 18 days

Answer: (d)

16. If 11 oranges are bought at the rate of Rs. 10; and 10 of them are sold at a rate of Rs. 11, find the profit percentage.

(a) 19%
(b) 21%
(c) 23%
(d) 20%

Answer: (b)

17. The average age of 20 girls in a class of 20 students is 20. A new girl student of age 20 has joined the class. What is the new average age of the class?

(a) 18 yrs
(b) 20 yrs
(c) 21 yrs
(d) 22 yrs

Answer: (b)

18. The average of 4 consecutive even numbers is 45. Find the 3rd of those numbers.

(a) 42
(b) 46
(c) 45
(d) 44

Answer: (b)

21. A farmer sold his 5-acre field for Rs. 13,00,000. Out of that amount, he had to pay Rs. 5,45,000 to his landlord, and purchase a house worth Rs. 6,15,255. How much money is left with him?

(a) Rs. 1,49,745
(b) Rs. 1,35,745
(c) Rs. 1,37,745
(d) Rs. 1,39,745

Answer: (d)

22. Two numbers are in the ratio 4 : 5. If 2 is subtracted from each of the two numbers, and their ratio becomes 3 : 4; the numbers are:

(a) 20, 25
(b) 12, 15
(c) 9, 15
(d) 8, 10

Answer: (d)

23. Find the average.

45, 35, 25, 15, 5 & 1

(a) 19
(b) 25
(c) 21
(d) 22

Answer: (c)

24. Find the average of all prime numbers between 20 and 40.

(a) 40
(b) 33
(c) 45
(d) 30

Answer: (d)

25. 729 liters of a mixture contains milk and water in the ratio 7 : 2. How much water is required to get a new mixture containing milk and water in the ratio 7 : 3?

(a) None of the above
(b) 81 litres
(c) 51 litres
(d) 91 litres

Answer: (b)

26. Ten years ago, A was half of B in age. If the ratio of their present ages is 3 : 4, what will be the total of their present ages?

(a) 30 years
(b) 35 years
(c) 20 years
(d) 18 years

Answer: (b)

27. A train of 125 m long is running with a speed of 45 kmph. In what time will it pass a man who is running at a speed of 5 kmph in the opposite direction in which the train is running?

(a) 9 sec
(b) 8 sec
(c) 10 sec
(d) 12 sec

Answer: (a)

Science and Simple Arithmetic

6. Three angles of a quadrilateral are equal. The fourth angle is of measure 150 . Find the measure of each of the equal angles?

(a) 80
(b) 85
(c) 60
(d) 70

Answer: (d)

7. Three traffic lights glow at the intervals of 10, 15, and 20 minutes. If they glow together at 6:10AM, now they will glow together at:

(a) 7:10AM
(b) 6:30AM
(c) 7:00AM
(d) 6:45AM

Answer: (a)

8. If Rahul estimates his profit as 20% of the selling price, then his real profit percentage is:

(a) 20%
(b) 19%
(c) 21%
(d) 25%

Answer: (d)

9. Which of the following is not a perfect square?

(a) 2025
(b) 1152
(c) 14641
(d) 4761

Answer: (b)

10. Which one of the following is a fungal disease of poultry?
    (a) Ranikhet
    (b) Aspergillosis
    (c) Rinderpest
    (d) Fowl pox
    Answer: (b)

11. A number is such that it is as much greater than 84 as it is less than 108. The number is:
    (a) 69
    (b) 48
    (c) 56
    (d) 96
    Answer: (d)

15. A device which converts mechanical energy into electrical energy is:
    (a) Electrical transformer
    (b) Electric conductor
    (c) Electric motor
    (d) Electric generator
    Answer: (d)

16. The amount of light entering the eye is controlled
    (a) Cornea
    (b) Eye lens
    (c) Ciliary muscle
    (d) Iris
    Answer: (d)

17. A magnifying glass is a_____.
    (a) concave mirror
    (b) convex mirror
    (c) convex lens
    (d) concave lens
    Answer: (c)

19. Microorganisms act upon the dead remains of organisms to produce _____. / _____
    (a) humus
    (b) sand
    (c) fungi
    (d) water
    Answer: (a)

20. Pencillium is a member of:
    (a) Pteridophyta
    (b) Fungi
    (c) Bryophyta
    (d) Algae
    Answer: (b)

21. Which of the following is NOT an abiotic?
    (a) Air
    (b) Light
    (c) Water
    (d) Tree
    Answer: (d)

22. Which one of the following organs is NOT a part of the female reproductive system in humans?
    (a) Uterus
    (b) Oviduct
    (c) Ovary
    (d) Sperm duct
    Answer: (d)

23. If 22017 – 22016 – 22015 + 22014 = k 22014, then value of k is:
    (a) 3
    (b) 5
    (c) 4
    (d) 2
    Answer: (a)

24. Children sprinkle powder on the carom board while playing to:
    (a) Reduce friction
    (b) Increase friction
    (c) Give fragrance
    (d) Give lustre to the board
    Answer: (a)

25. AB and CD are two equal chords of a circle with center at O such that AOB = 80 , then COD = _____. COD = _____.
    (a) 100
    (b) 80
    (c) 110
    (d) 105
    Answer: (b)

28. Which one of the following is NOT a terrestrial ecosystem?
    (a) Desert
    (b) Aquarium
    (c) Forest
    (d) Grassland

    Answer: (b)

29. Name an organism which is called plant-animal as it contains chloroplast and flagella.
    (a) Hydra
    (b) Sycon
    (c) Euglena
    (d) Chlamydomonas

    Answer: (c)

30. A sum of Rs. 8000 invested at compound interest doubles in five years. After twenty years it becomes:
    (a) Rs. 256000 / 256000 .
    (b) Rs. 64000 / 64000 .
    (c) Rs. 120000 / 120000 .
    (d) Rs. 128000 / 128000 .

    Answer: (d)

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	**(d)**	3	**(b)**	4	**(a)**	5	**(a)**	6	**(c)**	7	**(d)**
8	**(b)**	9	**(c)**	10	**(a)**	11	**(c)**	12	**(a)**	13	**(d)**
14	**(a)**	15	**(a)**	16	**(d)**	17	**(c)**	18	**(d)**	19	**(c)**
20	**(a)**	21	**(b)**	22	**(a)**	23	**(a)**	25	**(c)**	26	**(c)**
27	**(d)**	28	**(c)**	29	**(a)**	31	**(a)**	34	**(a)**	35	**(c)**
36	**(a)**	37	**(a)**	38	**(c)**	39	**(a)**	40	**(d)**		

Mental Ability and Mental Aptitude

4	**(c)**	5	**(a)**	6	**(d)**	7	**(d)**	8	**(d)**	9	**(d)**
10	**(b)**	11	**(b)**	12	**(b)**	13	**(d)**	14	**(d)**	15	**(d)**
16	**(b)**	17	**(b)**	18	**(b)**	21	**(d)**	22	**(d)**	23	**(c)**
24	**(d)**	25	**(b)**	26	**(b)**	27	**(a)**				

Science and Simple Arithmetic

6	**(d)**	7	**(a)**	8	**(d)**	9	**(b)**	10	**(b)**	11	**(d)**
15	**(d)**	16	**(d)**	17	**(c)**	19	**(a)**	20	**(b)**	21	**(d)**
22	**(d)**	23	**(a)**	24	**(a)**	25	**(b)**	28	**(b)**	29	**(c)**
30	**(d)**										