PREVIOUS YEAR PAPER

MP Police Constable 2017 — 7 September 2017, Shift 1

MP Police Constable · 7 September 2017 · 09:00 AM

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

Left out of the original paper: 28 (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 7 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-2017-7-sep-shift-1/

General Knowledge and Logical Knowledge

1. Find the odd one out:
   (a) Hen and Chicken
   (b) Cow and Calf
   (c) Sheep and Lamb
   (d) Camel and Ass
   Answer: (d)

2. Find the odd one out
   (a) 135
   (b) 592
   (c) 357
   (d) 579
   Answer: (b)

4. In a certain code language, You are watching cricket means Wa Cr Yo Ar; Cricket is a sport means Yz Sp I Ar; You are a kid means Wa Cr Yz Ki. Which is the word for Kid in that code language?
   (a) Ki
   (b) Wa
   (c) Yo
   (d) Cr
   Answer: (a)

5. If TEACHING is coded CHEATING, then how is GRADIENT coded?
   (a) RGDIEANT
   (b) RADIGENT
   (c) DIRAGENT
   (d) DIERATING
   Answer: (c)

7. Whose birthday is celebrated as International Day of Non-Violence by the United Nations (UN)?

(a) Jawahar Lal Nehru
(b) Mahatma Gandhi
(c) Nelson Mandela
(d) Martin Luther King

Answer: (b)

8. Which national park has one of the highest densities of Bengal tigers known in the world?

(a) Madhav National Park
(b) Sanjay National Park
(c) Van Vihar National Park
(d) Bandhavgarh National Park

Answer: (d)

9. The Capital of Yadava kings was

(a) Devagiri
(b) Krishnagiri
(c) Kanchipuram
(d) Varanasi

Answer: (a)

10. Akshay Kumar was conferred with the Best Actor ard at the National Film Award – 2017 for his performance in the film_____.

(a) Jolly LL.B
(b) Airlift
(c) Rustom
(d) Rowdy Rathore

Answer: (c)

11. Where is Jehangir Art Gallery found?

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

Answer: (b)

12. Who administers oath of office to the Chief Justice of India?

(a) Vice-President
(b) President
(c) Law Minister
(d) Prime Minister

Answer: (b)

13. Panditraj Jagannath was the poet laureate of which of the following rulers?
    (a) Humayun
    (b) Akbar
    (c) Aurangzeb
    (d) Shah Jahan
    Answer: (d)

14. The President of India is elected by
    (a) Legislative Assemblies Only
    (b) None of the above
    (c) Lok Sabha Only
    (d) Rajya Sabha Only
    Answer: (b)

15. The second Guru of the Sikhs was
    (a) Guru Arjan Dev
    (b) Guru Angad Dev
    (c) Guru Gobind Singh
    (d) Guru Amar Das
    Answer: (b)

17. Chhattisgarh was carved out of Madhya Pradesh a new state in the year _____.
    (a) 1998
    (b) 1995
    (c) 2000
    (d) 2005
    Answer: (c)

18. _____ is the first woman field officer in Border Security Force (BSF).
    (a) Divya Ajith Kumar
    (b) Mohana Singh
    (c) Puja Thakur
    (d) Tanushree Pareek
    Answer: (d)

19. Hanuwantiya Island is located in the reservoir of _____.
    (a) Maheshwar Dam
    (b) Indira Sagar Dam
    (c) Bansagar Dam
    (d) Chanderi Dam
    Answer: (b)

20. Buz Bahadur palace is at
    (a) Ujjain
    (b) Indore
    (c) Mandu
    (d) Rewa
    Answer: (c)

21. Who composed the National Song of India?
    (a) Sarat Chandra Chatterjee
    (b) Bankim Chandra Chatterjee
    (c) Harivansh Rai Bachchan
    (d) Rabindranath Tagore
    Answer: (b)

22. The immortal poet Kalidasa belonged to the town of
    (a) Ujjain
    (b) Indore
    (c) Hoshangabad
    (d) Bhojpur
    Answer: (a)

23. Complete the series choosing the missing numbe

4, 7, 11, 18, 29, 47, _____, 123, 199
    (a) 85
    (b) 81
    (c) 76
    (d) 69
    Answer: (c)

24. Complete the series choosing the missing number:

5, 11, 19, 29, ___
    (a) 45
    (b) 41
    (c) 30
    (d) 39
    Answer: (b)

25. Complete the series choosing the missing number:

5, 18, 10, 12, 15, _____

(a) 10
(b) 6
(c) 12
(d) None of the above

Answer: (b)

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

__sr __ tr __ srs __ r __ srst __

(a) s, t, r, t, r, s
(b) t, s, r, t, s, r
(c) t, s, t, t, t, r
(d) t, t, s, s, r, r

Answer: (c)

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

Statements :

Some bags are boxes

All boxes are tables

Conclusions:

I. Some bags are tables

II. Some tables are boxes

(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)

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

Statements:

All plates are saucers

No saucer is a cup

Conclusions:

I. No plate is a cup

II. No cup is a plate

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

Answer: (d)

29. The first recipient of Rajiv Gandhi Khel Ratna Award was

(a) Leander Paes
(b) Viswanathan Anand
(c) Kapil Dev
(d) Limba Ram

Answer: (b)

31. Who administers the Oath of office to a Chief Justice of High Court?

(a) Speaker
(b) Governor
(c) President
(d) Prime Minister

Answer: (b)

32. Umakant Gundecha & Ramakant Gundecha are well known _____.

(a) Hindi Poet
(b) Qawwali singers
(c) Classical dancers
(d) Dhrupad singers

Answer: (d)

34. If ACTED is coded STUAH, then how is ACE coded?

(a) STA
(b) ATE
(c) HAT
(d) SUA

Answer: (a)

35. Study the instructions carefully and find the value for the following:

Here;

+ ⇒ Multiply

* ⇒ Division

⇒ Addition

- ⇒ Equal to

= ⇒Minus

25 / 4 = 10 / 4 / 8 / 3?

(a) 34
(b) 36
(c) 35
(d) 33

Answer: (a)

36. If SHAPER is coded TGCNHO, then how is EXERCISE coded?

(a) FWGPFFWA
(b) FWGPFGWZ
(c) FWGQFFWA
(d) FWHPFGWA

Answer: (a)

37. In a certain code language, pada wada sada means good looking girl, saj sana sada means looking for you, deka saj ren means for all students. Which is the word for you in that code language?

(a) deka
(b) sada
(c) sana
(d) saj

Answer: (c)

38. The first President of Indian National Congress was

(a) A.O. Hume
(b) W.C. Banerjee
(c) S.N. Banerjee
(d) Dadabhai Naoroji

Answer: (b)

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

Statements:

Some sparrows are kids

Some sparrows are not houses

Conclusions:

I. All houses are kids

II. All kids are sparrows

(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)

Mental Ability and Mental Aptitude

5. In what time will a train 120 m long cross an electric pole. Its speed is 54 kmph.

(a) 8 sec
(b) 10 sec
(c) 6 sec
(d) 5 sec

Answer: (a)

6. Two sums of money are in the proportion of 8 : 13. If the first sum be 48, the addition of two sums is:

(a) 126
(b) 124
(c) 128
(d) 120

Answer: (a)

7. Shyam obtained 65, 67, 76, 82 and 85 out of 100 in different subjects, what will be the average?

(a) 80
(b) 75
(c) 70
(d) 85

Answer: (b)

8. Evaluate 'x' in x - 2597 = 6098 - 376.

(a) 2547
(b) 5622
(c) 4798
(d) 8319

Answer: (d)

9. What is the sum of xy, 2xy, and 7xy?

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

Answer: (a)

10. A boat travels upstream at a speed of 6 kmph and travels downstream at a speed of 8 kmph. What is the ratio of the speed of the stream to the speed of the boat in still water?

(a) 1 : 6
(b) 7 : 1
(c) 1 : 7
(d) 6 : 1

Answer: (c)

11. If the sum of three consecutive even numbers is , then the last number of the series is:

(a) 76
(b) 90
(c) 88
(d) 92

Answer: (b)

12. If the radius of the wheel of a bus is 70 cm and its speed is 66 kmph, then the rpm (revolutions per minute) of the wheel will be:

(a) 200
(b) 250
(c) 500
(d) 300

Answer: (b)

13. In a certain village, 6 women can work for 8 hr a day and finish a work in 10 days. If 10 women are working for 6 hr a day, then how many days will they take to complete the work?

(a) 12.5 days
(b) 13 days
(c) 10 days
(d) 8 days

Answer: (d)

14. A can do a work in 16 days and B can do the same work in 12 days, working together. What part of the work they can finish in two days?

(a) 5/8
(b) 9/24
(c) 1/3
(d) 7/24

Answer: (d)

15. The speeds of three trains are in the proportion 20 : 19 : 18. If their speeds are increased by 18%, 19% and 20% respectively, the proportion of their current speeds is:

(a) 1 : 1 : 1
(b) 2360 : 2261 : 2160
(c) 360 : 361 : 360
(d) 360 : 361 : 362

Answer: (b)

16. 30 % of officers in a bank are about to retire. If the number of officers who retired are 24 ; then how many officers are in the bank?

(a) 100
(b) 80
(c) 60
(d) 65

Answer: (b)

17. During a celebration,405 toffees are dis[illegible]ted [illegible]ually among children in such a way that the number of sweets received by each child is 2[illegible] the total number of children. How many toffees did each child receive?

(a) 18
(b) 45
(c) 15
(d) 9

Answer: (d)

19. The cube root of (483*483*483 + 517*517*517) / (517*517 - 517*483 + 483*483) is: / (483*483*483 + 517*517*517)

(a) 50
(b) 52
(c) 10
(d) 45

Answer: (c)

20. Ahmed was sanctioned a personal loan of Rs. 1,00,000 from a bank, of which, he had to pay Rs. 20,000 to his landlord; Rs. 3,000 to his partner; and with Rs. 35,000 he had to purchase a motor cycle. What is the amount left with Ahmed?

(a) Rs. 43,000
(b) Rs. 42,000
(c) Rs. 44,000
(d) Rs. 39,000

Answer: (b)

21. Find the average of even numbers between 1 and 19?

(a) 12
(b) 10
(c) 14
(d) 8

Answer: (b)

22. Find the average.

16, 21, 26, 31, 36 & 44

(a) 26
(b) 29
(c) 25
(d) 30

Answer: (b)

23. Sana collected coins in a bag. She was ab[illegible]llect 500 coins of 25p and 600 coins of 50p. One day, she removed 25% of 25p coins and 30% of 50p coins from the bag. What percentage of the money did she remove from the bag?

(a) 28.5%
(b) 25%
(c) 33%
(d) 30%

Answer: (a)

24. Presently, Grandpa Billy is thrice as old as his grandson Jake. Ten years ago, Jake was one-fifth Billy's age. What would their (Jake, Billy) ages be after ten years?

(a) 20, 80
(b) 20, 70
(c) 30, 70
(d) 30, 60

Answer: (c)

25. The difference between two numbers is 393. When the larger number is divided by the smaller the quotient is 2 and remainder is 50. What is the smaller number?

(a) 263
(b) 343
(c) 366
(d) 443

Answer: (b)

28. A successive discount of 20 % and 10 % are equivalent to what single discount?

(a) 22%
(b) 25%
(c) 28%
(d) 30%

Answer: (c)

29. The present ages of X and Y are in the ratio of 3:2. If the difference between the ages of X and Y after 12 years is 15. What is the present age of X?

(a) 45
(b) 27
(c) 15
(d) 35

Answer: (a)

30. The runs scored by Muttiah Muralidharan in six e-day matches were 47, 56, 112, 28, 59, and 34. What will be his average score?

(a) 55
(b) 54
(c) 57
(d) 56

Answer: (d)

Science and Simple Arithmetic

8. A shopkeeper offers 10% off-season discount to the customers and still makes a profit of 26%. The cost price for the pair of shoes marked at Rs.1120 is:

(a) Rs. 800
(b) Rs. 750
(c) Rs. 1008
(d) Rs. 1000

Answer: (a)

10. If the diagonals of a rhombus are 6 m and 8 m, then its side is:

(a) 2.5 m

(b) 10 m

(c) 2 m

(d) 5 m

Answer: (d)

11. The digit in the tens place of a two digit number is 3 more than the digit in the units place. Let the digit at units place be x. Then the number is:

(a) 10x + 30

(b) 10x + 3

(c) 11x + 3

(d) 11x + 30

Answer: (d)

13. The smallest even number whose square root and cube root both exists as a natural number is:

(a) 32

(b) 64

(c) 8

(d) 16

Answer: (b)

14. The unit's digit of cube of 833 is:

(a) 3

(b) 9

(c) 1

(d) 7

Answer: (d)

16. Which one of the following metals is NOT magnetic?

(a) Iron

(b) Stainless steel

(c) Nickel

(d) Steel

Answer: (b)

17. How many natural satellites do the planet Mars have?

(a) 3

(b) None

(c) 2

(d) 1

Answer: (c)

19. Raju had a fall and doctor told he has tendon damage on knee. What does it mean?
(a) Tissue which a ached muscles to bone got damaged
(b) Tissue that join the bones got damaged
(c) Bone fractured
(d) Muscle at the knee got damaged
Answer: (a)

20. What causes pep c ulcers?
(a) Staphylococci
(b) Salmonella
(c) Helicobacter pylori
(d) Leishmania
Answer: (c)

23. Which of the following produces seeds?
(a) Thallophyta
(b) Pteridophyta
(c) Gymnosperms
(d) Bryophyta
Answer: (c)

24. Microorganism that convert dead plant and anima rts into humus are called:
(a) Decomposer
(b) Herbivore
(c) Carnivore
(d) Producer
Answer: (a)

26. Test tube baby means:
(a) The embryo grows in a large test tube.
(b) Fer liza on and development of the embryo takes place in the uterus of the mother.
(c) Fer liza on and embryonic development up to a certain stage occurs in the test tube.
(d) Fer liza on takes place in the body of the female and development of the embryo takes place in the test tube.
Answer: (c)

28. When electric current is passed through water, water dissociates into hydrogen and oxygen. Hydrogen is deposited at:
(a) Neither negative nor positive
(b) Negative electrode only
(c) Either negative or positive
(d) Positive electrode only
Answer: (b)

29. In a food chain, the third trophic level is always occupied by:
    (a) Decomposers
    (b) Carnivores
    (c) Herbivores
    (d) Producers
    Answer: (b)

30. If $2x + 3y = 14$ and $2x – 3y = 2$, then the value of xy is:
    (a) 17
    (b) 8
    (c) 28
    (d) 13
    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	**(d)**	2	**(b)**	4	**(a)**	5	**(c)**	7	**(b)**	8	**(d)**	9	**(a)**	10	**(c)**				
11	**(b)**	12	**(b)**	13	**(d)**	14	**(b)**	15	**(b)**	17	**(c)**	18	**(d)**	19	**(b)**				
20	**(c)**	21	**(b)**	22	**(a)**	23	**(c)**	24	**(b)**	25	**(b)**	26	**(c)**	27	**(d)**				
28	**(d)**	29	**(b)**	31	**(b)**	32	**(d)**	34	**(a)**	35	**(a)**	36	**(a)**	37	**(c)**				
38	**(b)**	39	**(c)**																

Mental Ability and Mental Aptitude

5	**(a)**	6	**(a)**	7	**(b)**	8	**(d)**	9	**(a)**	10	**(c)**	11	**(b)**	12	**(b)**				
13	**(d)**	14	**(d)**	15	**(b)**	16	**(b)**	17	**(d)**	19	**(c)**	20	**(b)**	21	**(b)**				
22	**(b)**	23	**(a)**	24	**(c)**	25	**(b)**	28	**(c)**	29	**(a)**	30	**(d)**						

Science and Simple Arithmetic

8	**(a)**	10	**(d)**	11	**(d)**	13	**(b)**	14	**(d)**	16	**(b)**	17	**(c)**	19	**(a)**				
20	**(c)**	23	**(c)**	24	**(a)**	26	**(c)**	28	**(b)**	29	**(b)**	30	**(b)**						