PREVIOUS YEAR PAPER

# MP Police Constable 2017 — 28 August 2017, Shift 2

MP Police Constable · 28 August 2017 · 03:00 PM

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

Left out of the original paper: 29 (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 28 August 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-2017-28-aug-shift-2/

## General Knowledge and Logical Knowledge

1. Jhelum, Chenab, Ravi, Beas and Sutlej are tributaries of _____.

(a) Cauvery
(b) Narmada
(c) Brahmaputra
(d) Indus

**Answer: (d)**

2. Who is the Governor of Madhya Pradesh

(a) Om Prakash Kohli
(b) Ram Naresh Yadav
(c) Balram Das Tandon
(d) Sitasharan Sharma

**Answer: (a)**

3. Find the odd one out:

1, 8, 9, 36, 25, 216, 49

(a) 36
(b) 49
(c) 9
(d) 216

**Answer: (a)**

4. If HONESTY is coded INODTSZ, then how is WORSHIP coded?

(a) XNSRIHQ
(b) XNSRJHQ
(c) XPSTIJQ
(d) XPTSIJQ

**Answer: (a)**

5. If VIJAYA is coded VJLDCF, then how is DEEPALI coded?
   (a) DFGSEQO
   (b) DFGSEPO
   (c) DFGSFQO
   (d) DFGTEQO
   **Answer: (a)**

7. The bank note printing press in Madhya Pradesh is at
   (a) Ujjain
   (b) Nepanagar
   (c) Hoshangabad
   (d) Dewas
   **Answer: (d)**

8. Who is the President who has had the longest term in office?
   (a) Rajendra Prasad
   (b) Zakir Hussain
   (c) S Radhakrishnan
   (d) Hamid Ansari
   **Answer: (a)**

9. Who is the Chairman of SEBI?
   (a) Ajay Tyagi
   (b) S Jaishankar
   (c) C B Bhave
   (d) U K Sinha
   **Answer: (a)**

10. In terms of population, the largest city of Madhya Pradesh is
   (a) Indore
   (b) Gwalior
   (c) Jabalpur
   (d) Bhopal
   **Answer: (a)**

11. How many scheduled languages are recognized in India?
   (a) 20
   (b) 28
   (c) 22
   (d) 35
   **Answer: (c)**

12. Which among the following is NOT a region of Madhya Pradesh?
    (a) Bagelkhand
    (b) Mahakaushal
    (c) Malwa
    (d) Chota Nagpur
    **Answer: (d)**

13. Which of the following states won the 10th National Award for excellent work in Mahatma Gandhi National Rural Employment Guarantee Act, 2005 (MGNREGA) in 2015?
    (a) Gujarat
    (b) Rajasthan
    (c) Assam
    (d) Madhya Pradesh
    **Answer: (d)**

14. Which day is celebrated as International Yoga Day?
    (a) April 23
    (b) June 21
    (c) September 21
    (d) July 21
    **Answer: (b)**

15. The present Union Minister for Road Transport ar highways is ____
    (a) Suresh Prabhu
    (b) Rajnath Singh
    (c) Nitin Gadkari
    (d) Kalraj Mishra
    **Answer: (c)**

16. The holy river that is the site for the Simhastha Kumb Mela
    (a) Narmada
    (b) Shipra
    (c) Sindu
    (d) Ganga
    **Answer: (b)**

17. Tapti river flows into the
    (a) Bay of Bengal
    (b) Gulf of Mannar
    (c) Gulf of Khambhat
    (d) Indian Ocean
    **Answer: (c)**

18. The maximum strength of Lok Sabha as envisaged by the Constitution is _____.
    (a) 552
    (b) 250
    (c) 546
    (d) 525
    **Answer: (a)**

19. With which game do you associate Saina Nehwal?
    (a) Hockey
    (b) Table Tennis
    (c) Badminton
    (d) Chess
    **Answer: (c)**

20. 'Korba Thermal Plant' is located in
    (a) Gujarat
    (b) Uttar Pradesh
    (c) Chhattisgarh
    (d) Madhya Pradesh
    **Answer: (c)**

21. India joined the Missile Technology Control Regim MTCR) in the year
    (a) 2011
    (b) 1998
    (c) 2016
    (d) 2007
    **Answer: (c)**

22. The first battle of Panipat in 1526 was fought between Babar and
    (a) Rana Sanga
    (b) Hemu
    (c) Daulat Khan Lodi
    (d) Ibrahim Lodi
    **Answer: (d)**

23. Maharashtra granted the minority status to _____ in 2016
    (a) Parsis
    (b) Sikhs
    (c) Jews
    (d) Peshwas
    **Answer: (c)**

24. Complete the series choosing the missing number:

8, 24, 12, _____, 18, 54

(a) 24
(b) 36
(c) 42
(d) 48

**Answer: (b)**

25. Complete the series choosing the missing number:

36, 28, 24, 22, _____

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

**Answer: (b)**

26. Complete the series choosing the missing number:

28, 33, 31, 36, _____, 39

(a) 38
(b) 34
(c) 35
(d) 33

**Answer: (b)**

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

Statements:

No river is sea

All seas are oceans

Conclusions:

I. All rivers are oceans

II. No river is oceans

(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:

No chain is ring

All rings are bangles

Conclusions:

I. Some bangles are rings

II. Some chains are bangles

(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: (b)**

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

Statements:

Some cranes are swans

All swans are ducks

Conclusions:

I. Some cranes are ducks

II. Some ducks are cranes

(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)**

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

Statements:

All houses are bungalows

Some bungalows are flats

Conclusions:

I. All houses are flats

II. All bungalows are houses

(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. Indian Air Force formally commissioned its first women fighter pilots in

(a) 2012
(b) 2008
(c) 2016
(d) 2010

**Answer: (c)**

32. If CENTURION is coded 325791465 and [illegible] coded 18510, then how is 78510 coded?

(a) TAKE
(b) BANK
(c) TANK
(d) SANK

**Answer: (c)**

35. In how many ways can the letters of the word 'STRANGE' be arranged, such that the 'GE' in the word will always come together?

(a) 5040
(b) 720
(c) 2520
(d) 1440

**Answer: (d)**

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

acc__bc__a__ccbbcc__

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

**Answer: (b)**

38. In a certain code language, polo folo zolo means sun pulls earth, zolo solo bolo means earth is round, and solo sula soka means what is this. Which is the word for bolo in that code language?

(a) earth
(b) round
(c) what
(d) sun

**Answer: (b)**

40. 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) HK
(b) MP
(c) NQ
(d) BD

**Answer: (d)**

## Mental Ability and Mental Aptitude

6. If Mahesh's is older than Suresh by 6 years and the ratio of their age is 9: 7, then find the age of Mahesh.

(a) 21
(b) 28
(c) 27
(d) 30

**Answer: (c)**

7. Ram and Ravi can do a piece of work in 10 and 15 days, respectively. In how many days will the work be completed, if both of them work together?

(a) 5 days
(b) 10 days
(c) 16 days
(d) 6 days

**Answer: (d)**

8. A number is such that the product of its digit is 12. When 36 is added to the number, the digits get reversed. What is the number?

(a) 43
(b) 26
(c) 34
(d) 62

**Answer: (b)**

9. The difference between the compound interest and simple interest on a certain sum of money in 3 years at 5% p.a. is Rs. 6,100. What is the initial amount?

(a) Rs. 5,00,000
(b) Rs. 5,000
(c) Rs. 8,000
(d) Rs. 8,00,000

**Answer: (d)**

10. At present, the ratio between the ages of Niranjan and Deepak is 4 : 3. After 6 years, Niranjan's age will be 26 years. What is the present age of Deepak?

(a) 24 years
(b) 15 years
(c) 18 years
(d) 21 years

**Answer: (b)**

11. The average of three consecutive odd numbers is 5. Find the highest of the three numbers.

(a) 7
(b) 11
(c) 5
(d) 9

**Answer: (a)**

12. A shopkeeper brought some wheat for Rs. 35,000. Due to a leakage in the storeroom, one-seventh of the total wheat had become mouldy. If he sold the good wheat at a profit of 10 % and the mouldy one at a loss of 25%, what is his profit or loss?

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

**Answer: (c)**

13. A can do a work in 15 days and B in 20 days. Both of them work for 5 days, then the remaining work is:

(a) 5/12
(b) 1/3
(c) 5/6
(d) 7/12

**Answer: (a)**

14. Two trains, each 100 m long, moving in opposite directions, cross each other in 12 sec. If one is moving twice as fast as the other, then the speed of the faster train is _____.

(a) 30 kmph
(b) 20 kmph
(c) 24 kmph
(d) 40 kmph

**Answer: (d)**

15. Pramod scores an average of 60 % in an examination consisting of 15 papers. He has scored only 40 % average in five of them. What is the average scored in the remaining papers?

(a) 100 %
(b) 80 %
(c) 65 %
(d) 70 %

**Answer: (d)**

16. A car covers a distance of 500 meters in 30 seconds and a bus covers a distance of 30 km in 45 minutes.What is the ratio of their speed?

(a) 6 : 9
(b) 9 : 4
(c) 4 : 9
(d) 9 : 6

**Answer: (b)**

17. A boat travels at a speed of 10 kmph in still water. The speed of the stream is 4 kmph. How much time will the boat take to travel 30 km upstream?

(a) 3 hrs
(b) 6 hrs
(c) 300 min
(d) 500 min

**Answer: (c)**

18. A cricket player scores 20, 30, and 40 runs each in different matches. Find the average score of the player?

(a) 40
(b) 50
(c) 45
(d) 30

**Answer: (d)**

19. If the heights of two triangles are in the ratio 3 : 2, and the bases are in the ratio 2 : 5, then what is the ratio of the areas of the two triangles?

(a) 3 : 2
(b) 3 : 4
(c) 15 : 4
(d) 3 : 5

**Answer: (d)**

20. If the heights of two triangles are in the ration 3 : 2 and their bases are in the ratio 2 : 5, then what is the ratio of the areas of the two triangles?

(a) 3 : 2
(b) 3 : 4
(c) 15 : 4
(d) 3 : 5

**Answer: (d)**

24. Find the average.

29, 34, 39, 44, 49 & 57

(a) 42
(b) 39
(c) 37
(d) 46

**Answer: (a)**

25. If three fifth of a number is 40 more than 40 % of the same number, what is the number?

(a) 100
(b) 400
(c) 150
(d) 200

**Answer: (d)**

26. Rs. 1,800 is shared between A, B, and C. If A gets thrice of B, and B gets twice of C, then what is the share of A?

(a) None of the above
(b) Rs. 1,200
(c) Rs. 1,300
(d) Rs. 1,400

**Answer: (b)**

27. What percent of 1.2 is 1/5?

(a) 16.67 %
(b) 25 %
(c) 20 %
(d) 15 %

**Answer: (a)**

28. Mohammed bought a television set for Rs. 12,000 and later sold it for Rs. 10,000.What is his loss percent? (Approximately)

(a) 16.5 %
(b) 17.5 %
(c) 14.5 %
(d) 18.5 %

**Answer: (a)**

29. A father is 30 years older than his son however will be only thrice as old as the son after 5 years. What is father's present age?

(a) 40 years
(b) None of the above
(c) 50 years
(d) 30 years

**Answer: (a)**

30. If 75 % of a number is added to 75, then the result is the number itself. Find the number.

(a) 350
(b) 250
(c) 300
(d) 280

**Answer: (c)**

## Science and Simple Arithmetic

9. A teacher wants to arrange maximum possible number of 6000 students in a field such that the number of rows is equal to the number of columns. Find the number of rows, if 71 students were left out after arrangement.

(a) 80
(b) 77
(c) 78
(d) 76

**Answer: (b)**

10. A car travel 432 km on 48 liters of petrol. How far would it travel on 20 liters?

(a) 176 km
(b) 200 km
(c) 180 km
(d) 144 km

**Answer: (c)**

11. The value of a flat constructed at a cost of Rs. 1000000 is depreciating at a rate of 10% per annum. Its value after 3 years of construction will be:

(a) Rs. 729000
(b) Rs. 875000
(c) Rs. 750000
(d) Rs. 700000

**Answer: (a)**

13. Which one of the following can undergo nuclear fusion?

(a) Thorium
(b) Krypton
(c) Deuterium
(d) Uranium

**Answer: (c)**

14. The objects which emit their own light are called_____.

(a) illuminated objects
(b) reflecting objects
(c) opaque objects
(d) luminous objects

**Answer: (d)**

15. When you apply perfume on your body, you feel cool because:

(a) Perfume is kept at a low temperature.
(b) Perfume condenses easily by absorbing energy from your body.
(c) The solvent in the perfume evaporates easily by absorbing energy from your body.
(d) The solvent in the perfume evaporates easily by transferring energy to your body.

**Answer: (c)**

16. Small structures inside a cell that works together is called_____.
    (a) nucleus
    (b) organelles
    (c) inclusions
    (d) cytoplasm
    **Answer: (b)**

19. Muscle is connected to the bone by _____.
    (a) Cartilage
    (b) Ligaments only
    (c) Both ligaments and tendons
    (d) Tendons only
    **Answer: (d)**

22. We feel more comfortable with dark coloured clothes during winter because:
    (a) Dark coloured clothes looks good
    (b) Dark coloured clothes reflects more heat
    (c) Dark coloured clothes absorbs more heat
    (d) Dark coloured clothes are very cool
    **Answer: (c)**

23. Which of the following statements are true?

(i) Angles forming a linear pair are supplementary.

(ii) Angles forming a linear pair can both be a gles.

(iii) Two lines parallel to the same line are parallel to each other.

(iv) Two lines perpendicular to the same line are perpendicular to each other.
    (a) Only ( iii )
    (b) ( i ) and ( iii )
    (c) ( ii ) and ( iii )
    (d) Only ( i )
    **Answer: (b)**

24. A metal when brought near the end of a strong magnet, it gets repelled. This metal is:
    (a) Non-magnetic
    (b) Ferromagnetic
    (c) Diamagnetic
    (d) Paramagnetic
    **Answer: (c)**

25. With the money Arvind has, he can buy 50 pens or 150 pencils. He kept 10% of it aside for taxi fare and with the remaining, he purchased 54 pencils and n pens. The value of n is:

(a) 27
(b) 25
(c) 29
(d) 30

**Answer: (a)**

27. One of the features about gymnosperms mentioned below is incorrect. Identify the same.

(a) The seeds are not enclosed within the fruits.
(b) Cones are the reproductive structures.
(c) They mostly comprise evergreen trees.
(d) They bear colourful flowers.

**Answer: (d)**

29. The distance between stars and the Earth is measured in_____.

(a) meters
(b) light year
(c) kilometers
(d) mega units

**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 | **(a)** | 3 | **(a)** | 4 | **(a)** | 5 | **(a)** | 7 | **(d)** | 8 | **(a)** | 9 | **(a)** | 10 | **(a)** | 11 | **(c)** |
| 12 | **(d)** | 13 | **(d)** | 14 | **(b)** | 15 | **(c)** | 16 | **(b)** | 17 | **(c)** | 18 | **(a)** | 19 | **(c)** | 20 | **(c)** | 21 | **(c)** |
| 22 | **(d)** | 23 | **(c)** | 24 | **(b)** | 25 | **(b)** | 26 | **(b)** | 27 | **(c)** | 28 | **(b)** | 29 | **(d)** | 30 | **(c)** | 31 | **(c)** |
| 32 | **(c)** | 35 | **(d)** | 36 | **(b)** | 38 | **(b)** | 40 | **(d)** | | | | | | | | | | |

## Mental Ability and Mental Aptitude

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | **(c)** | 7 | **(d)** | 8 | **(b)** | 9 | **(d)** | 10 | **(b)** | 11 | **(a)** | 12 | **(c)** | 13 | **(a)** | 14 | **(d)** | 15 | **(d)** |
| 16 | **(b)** | 17 | **(c)** | 18 | **(d)** | 19 | **(d)** | 20 | **(d)** | 24 | **(a)** | 25 | **(d)** | 26 | **(b)** | 27 | **(a)** | 28 | **(a)** |
| 29 | **(a)** | 30 | **(c)** | | | | | | | | | | | | | | | | |

## Science and Simple Arithmetic

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9 | **(b)** | 10 | **(c)** | 11 | **(a)** | 13 | **(c)** | 14 | **(d)** | 15 | **(c)** | 16 | **(b)** | 19 | **(d)** | 22 | **(c)** | 23 | **(b)** |
| 24 | **(c)** | 25 | **(a)** | 27 | **(d)** | 29 | **(b)** | | | | | | | | | | | | |