PREVIOUS YEAR PAPER

# MP Police Constable 2016 — 18 July 2016, Shift 1

MP Police Constable · 18 July 2016 · 09:00 AM

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

Left out of the original paper: 38 (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 July 2016, 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-2016-18-jul-shift-1/

## General and Logical Knowledge

1. Which of the following is the birthplace of Dr. B R Ambedkar?
   (a) Ambavade
   (b) Thane
   (c) Baroda
   (d) Mhow
   **Answer: (d)**

2. Which are among the more important of the minera[illegible]f Madhya Pradesh?
   (a) Zinc and manganese
   (b) Mica and coal
   (c) Silver and copper
   (d) Coal and iron
   **Answer: (d)**

3. Under what Article of the Constitution of India can the President take over the administration of a state in case its constitutional machinery breaks down?
   (a) Art. 83
   (b) Art. 352
   (c) Art. 356
   (d) Art. 343
   **Answer: (c)**

4. Choose the number which is different from others in the group.
   (a) 27
   (b) 125
   (c) 343
   (d) 1321
   **Answer: (d)**

5. The mother of Radha is the only daughter of Nirmala's father. How Nirmala is related to Radha?

(a) Sister
(b) Mother
(c) Aunt
(d) Can't determine

**Answer: (b)**

6. Which is India’s first Scorpene-class submarine?

(a) INS Shalki
(b) INS Khanderi
(c) INS Shankul
(d) INS Kalvari

**Answer: (d)**

7. Four students Arvind, Bhasker, Chander and Dravid are sitting in row. Arvind is next to Chander, Dravid is not next to Bhasker, Chander is next to Bhasker. Which of the following is an acceptable arrangement? The first of the names are quoted below

(a) ABCD
(b) ACBD
(c) DACB
(d) ACDB

**Answer: (c)**

8. Who heads the Scientific Advisory Council to Th ime Minister?

(a) Pradyut Ghosh
(b) D Sivananda Pai
(c) Upinder Bhalla
(d) CNR Rao

**Answer: (d)**

9. Girija, Ishan, Francis and Hema are sitting on a bench. Francis has Hema next to her on her left. Hema and Girija are on either side of Ishan. Who sits at the extreme left?

(a) Hema
(b) Girija
(c) Ishan
(d) Francis

**Answer: (b)**

11. Telangana became the 29th state of India in 2014 by reorganizing_____.

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

**Answer: (a)**

13. Which State is known as the 'land of five rivers?'

(a) Madhya Pradesh
(b) Punjab
(c) Meghalaya
(d) Chattisgarh

**Answer: (b)**

14. A+B means A is the brother of B, A-B means A is the daughter of B and A*B means A is the sister of B. What does Q-R*P mean?

(a) P is the maternal uncle of Q
(b) P is the brother of Q
(c) P is the nephew of Q
(d) P is the father of Q

**Answer: (a)**

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

Statements:

All angels are rooks.

All rooks are bishops.

Conclusions:

I. No bishops are angels.

II. All angels are bishops.

(a) Only conclusion I follows
(b) Only conclusion II follows
(c) Both conclusion I and II follows
(d) None of the conclusion I or II follows

**Answer: (b)**

17. British changed the name of the state from _____ to Orissa.

(a) Odisha
(b) Odia
(c) Oriya
(d) Ohia

**Answer: (a)**

18. Ashok Shandilya is associated with which of the following games?

(a) Badminton
(b) Cricket
(c) Lawn Tennis
(d) Billiards

**Answer: (d)**

19. The Guardian of the Constitution of India is-

(a) Indian Parliament
(b) Supreme Court of India
(c) Prime Minister of India
(d) High Courts of the States

**Answer: (b)**

20. If mobile phone is turned on, then if someone cries then the rotator rotates. The rotator is rotating while the phone is on, then someone is crying.

(a) True
(b) False
(c) Maybe
(d) Irrelevant

**Answer: (c)**

22. In the following question, there is certain relation ip between the first two words. Choose the fourth word from the following options which has a ilar kind of relation with the third word.

PRESIDENT: COUNTRY :: CHIEF MINISTER : :

(a) Town
(b) State
(c) Village
(d) District

**Answer: (b)**

23. Which of the following districts does NOT belong to Indore division?

(a) Dhar
(b) Jhabua
(c) Dewas
(d) Badwani

**Answer: (c)**

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

Statements:

No plugs are trees.

All threads are plugs.

Conclusions:

I. No threads are trees.

II. Some plugs are trees.

(a) Only conclusion I follows
(b) Only conclusion II follows
(c) Both conclusion I and II follows
(d) None of the conclusion I or II follows

**Answer: (a)**

25. Pointing to a gentleman, Dinesh said, "His only brother is the father of my daughter's father." How is the gentleman related to Dinesh?

(a) Grandfather
(b) Brother in law
(c) Father
(d) Uncle

**Answer: (d)**

26. A railway network links some towns in a country such that tracks lie between M and N, between M and O, between O and R , between R and T , between R and U , between T and P and between P and S. No two tracks intersect each other except at the towns. A train can travel from P to N only in that direction and not back.

For a train to go from S to N, it is necessary to go through town:

(a) M
(b) P
(c) R
(d) T

**Answer: (b)**

27. Who built the Rani Mahal and Chaman Mahal in Islamnagar?

(a) Sultan Muhammad Khan
(b) Nizam Shah
(c) Dost Mohammed Khan
(d) Yar Mohammad Khan

**Answer: (c)**

30. “Mook Nayak” was written by
    (a) B R Amedkar
    (b) BC Chatterjee
    (c) Vivekananda
    (d) Aurobindo Ghosh
    **Answer: (a)**

31. Which river divides the district of Guna?
    (a) Tawa
    (b) Jamni
    (c) Sindh
    (d) Tamsa
    **Answer: (c)**

33. Who introduced the dual government system?
    (a) Robert Clive
    (b) Warren Hastings
    (c) Lord Cornwallis
    (d) Lord Hastings
    **Answer: (a)**

34. Chaturbhuj Nath temple is located close to which ıctuary?
    (a) Ken Ghariyal
    (b) Son
    (c) Gandhi Sagar
    (d) Shivpuri
    **Answer: (c)**

35. India and Srilanka are separated by ___.
    (a) Gulf of Alaska
    (b) Gulf of Kutch
    (c) Palk Strait
    (d) Gulf of Khambhat
    **Answer: (c)**

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

Statements:

Some eagles are oranges.

Some eagles are not green.

Conclusions:

I. All green are oranges.

II. All oranges are eagles.

(a) Only conclusion I follows
(b) Only conclusion II follows
(c) Both conclusion I and II follows
(d) None of the conclusion I or II follows

**Answer: (d)**

37. Jawaharlal Nehru was the first _____ of India

(a) Vice President
(b) Prime Minister
(c) President
(d) Deputy Prime Minister

**Answer: (b)**

39. X is the Husband of Y. A is the sister of X. D is the sister of Y. How is D related to X?

(a) Son
(b) Uncle
(c) Sister-in-law
(d) Can't be determined

**Answer: (c)**

## Mental Ability and Mental Aptitude

1. A 35 cm long line segment is divided into two parts in the ratio 3:4. What is the length of the longer part?

(a) 20 cm
(b) 18 cm
(c) 15 cm
(d) 11 cm

**Answer: (a)**

2. In a certain code language ‘My favourite hero’ is written as ‘deto vya nerolo’ and ‘Hero is great’ is written as ‘meb deto nya’ . In that code language the word for ‘Hero’ is:

(a) deto
(b) vya
(c) meb
(d) nya

**Answer: (a)**

3. Fill up the blank: 15% of _____is 60.

(a) 40
(b) 4
(c) 400
(d) 90

**Answer: (c)**

4. The cost price of 30 pens is the same as the selling price of 27 pens. What is the percentage of profit or loss?

(a) 10% profit
(b) 11.11% loss
(c) 10% loss
(d) 11.11% profit

**Answer: (d)**

5. Fill up the blank: The pass mark in an examinatio 100. This is 40% of the total. The total is_____.

(a) 250
(b) 140
(c) 160
(d) 200

**Answer: (a)**

6. Complete the series choosing the missing number:

80,40,20,10, ____

(a) 3
(b) 5
(c) 4
(d) 1

**Answer: (b)**

10. Complete the series choosing the missing number:

64,32,16,8, ____

(a) 0
(b) 4
(c) 2
(d) 1

**Answer: (b)**

11. A fruit vendor bought bananas @ Rs. 5 for 6 and sold 4 bananas for Rs. 3. What is his percentage of profit or loss?

(a) 10% loss
(b) 10% profit
(c) 8% loss
(d) 8% profit

**Answer: (a)**

12. Sudhir can do a piece of work in 20 days. How much work can he do in 4 days?

(a) 1/2
(b) 2/3
(c) 1/5
(d) 1/10

**Answer: (c)**

13. Radha can paint 35 paintings in 25 days. How many days can she paint 55 paintings?

(a) 40 ¼ days
(b) 39 2
(c) 33 1
(d) 32 1

**Answer: (b)**

15. A seller sells a book for Rs. 24 and loses 20% of the cost. What would be the profit or loss if he sells for Rs. 27?

(a) Loss Rs.1
(b) Profit Rs.4
(c) Loss Rs.3
(d) Profit Rs.6

**Answer: (c)**

20. Complete the series choosing the missing letter

_ oooo _ oooo _ p

(a) pooo
(b) ppoo
(c) pppp
(d) pppo

**Answer: (d)**

21. Complete the series choosing the missing number:

1,3,6,12,24,____

(a) 40
(b) 28
(c) 34
(d) 48

**Answer: (d)**

22. If TIME is coded as UJNF, how is WASTE coded?

(a) XBTUF
(b) XCUVA
(c) XDUXE
(d) XEWXF

**Answer: (a)**

23. If STAGE is coded as UVCIG, how is HERC[illegible]?

(a) JKOQ
(b) JGTQ
(c) JSNP
(d) DSPQ

**Answer: (b)**

24. The price of a certain brand of shirts has risen by 20% in one year but during the New Year season, a discount of 5% is offered. What is the effective increase?

(a) 15%
(b) 14%
(c) 16%
(d) 12%

**Answer: (b)**

26. In the following question, one term in the number series is wrong. Find out the wrong term.

2,5,10,17,26,37,51,65

(a) 17
(b) 26
(c) 51
(d) 65

**Answer: (c)**

28. Fill in the blanks: X, a milkman adds 3 litres of water to 10 litres of milk. The milk Y sells is 18% water. The water content in the milk Z sells is 6

(a) X, Y, Z
(b) Z, Y, X
(c) Z, X, Y
(d) Y, Z, X

**Answer: (d)**

29. In a stationery shop pencils cost Rs. 96 per score and ball pens cost Rs. 50.40 per dozen. What is the ratio of the price of a pencil to that of a ball pen?

(a) 4:3
(b) 5:8
(c) 8:7
(d) 7:3

**Answer: (c)**

30. Complete the series choosing the missing number:

1,2,4,8,16,____

(a) 20
(b) 24
(c) 28
(d) 32

**Answer: (d)**

## Science and Simple Arithmetic

2. ABC is a triangle. Find the locus of a point P which moves such that area of ABC = area of PBC.

(a) A line parallel to AC and passing through B
(b) A line parallel to BC and passing through A
(c) Perpendicular bisector of the side BC
(d) Median of the side BC from A

**Answer: (b)**

3. The sum of two numbers is 216 and their HCF is 27. Find the numbers.

(a) 27, 189
(b) 154, 162
(c) 108, 108
(d) 81, 189

**Answer: (a)**

6. Find the value of x and y if x+y=6 and 4x+7y=36

4x+7y=36

(a) 2,4
(b) 4,2
(c) 1,1
(d) 0,0

**Answer: (a)**

7. Which half of the heart sends blood to different parts of the body?

(a) The upper half
(b) The lower half
(c) The right half
(d) The left half

**Answer: (b)**

14. The plant that reproduces through spores is___ __

(a) Fern
(b) Yeast
(c) Potato
(d) Spirogyra

**Answer: (a)**

16. In very cold countries the thermometric liquid used is alcohol because

(a) The freezing point is lower than that of mercury
(b) The freezing point is higher than that of mercury
(c) The boiling point is much higher than that of mercury
(d) The boiling point is same as that of mercury

**Answer: (a)**

18. If a solid sphere of radius 10 cm is moulded into 8 spherical solid balls of equal radius, then the radius of each such ball is _____.

(a) 1.25 cm
(b) 2.5 cm
(c) 3.75 cm
(d) 5 cm

**Answer: (d)**

20. In a certain region, as the wind speed increases, air pressure
    (a) decreases
    (b) increases
    (c) remains constant
    (d) increases up to a certain limit and then decreases

    **Answer: (a)**

22. Find the least number which when divided by 5, 6, 7 and 8 leaves a remainder 3, but when divided by 9 leaves no remainder.
    (a) 1677
    (b) 1683
    (c) 2523
    (d) 3363

    **Answer: (b)**

28. The value of 3x+5y=200, 3x-5y=100 is
    (a) 40,10
    (b) 50,10
    (c) 1,1
    (d) 1,0

    **Answer: (b)**

30. _____ is an example of a bisexual animal
    (a) Cockroach
    (b) Earthworm
    (c) Frog
    (d) Lizard

    **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 and Logical Knowledge

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | **(d)** | 2 | **(d)** | 3 | **(c)** | 4 | **(d)** | 5 | **(b)** | 6 | **(d)** | 7 | **(c)** | 8 | **(d)** |
| 9 | **(b)** | 11 | **(a)** | 13 | **(b)** | 14 | **(a)** | 16 | **(b)** | 17 | **(a)** | 18 | **(d)** | 19 | **(b)** |
| 20 | **(c)** | 22 | **(b)** | 23 | **(c)** | 24 | **(a)** | 25 | **(d)** | 26 | **(b)** | 27 | **(c)** | 30 | **(a)** |
| 31 | **(c)** | 33 | **(a)** | 34 | **(c)** | 35 | **(c)** | 36 | **(d)** | 37 | **(b)** | 39 | **(c)** | | |

## Mental Ability and Mental Aptitude

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | **(a)** | 2 | **(a)** | 3 | **(c)** | 4 | **(d)** | 5 | **(a)** | 6 | **(b)** | 10 | **(b)** | 11 | **(a)** |
| 12 | **(c)** | 13 | **(b)** | 15 | **(c)** | 20 | **(d)** | 21 | **(d)** | 22 | **(a)** | 23 | **(b)** | 24 | **(b)** |
| 26 | **(c)** | 28 | **(d)** | 29 | **(c)** | 30 | **(d)** | | | | | | | | |

## Science and Simple Arithmetic

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | **(b)** | 3 | **(a)** | 6 | **(a)** | 7 | **(b)** | 14 | **(a)** | 16 | **(a)** | 18 | **(d)** | 20 | **(a)** |
| 22 | **(b)** | 28 | **(b)** | 30 | **(b)** | | | | | | | | | | |