PREVIOUS YEAR PAPER

# MP Police Constable 2017 — 22 August 2017, Shift 1

MP Police Constable · 22 August 2017 · 09:00 AM

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 22 August 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-2017-22-aug-shift-1/

## General Knowledge and Logical Knowledge

1. Where is the headquarters of the National Safety Council, India (NSC) located?
   (a) Gandhinagar
   (b) Allahabad
   (c) Madurai
   (d) Mumbai
   **Answer: (d)**

2. When is National Hindi Divas celebrated?
   (a) 4th September
   (b) 24th September
   (c) 14th September
   (d) 16th September
   **Answer: (c)**

3. Which regional party extended support to the BJP to help elect Manohar Parrikar as the Chief Minister of Goa in the 2017 State elections?
   (a) Goa Democratic Front
   (b) Goa SurakshaManch
   (c) United Goans Democratic Party
   (d) Maharashtra Gomantak Party
   **Answer: (d)**

4. Which of the following rivers does NOT originate in the Indian territory?
   (a) Chenab
   (b) Ravi
   (c) Mahanadi
   (d) Brahamaputra
   **Answer: (d)**

5. Which of the following buildings in Madhya Pradesh has won the Aga Khan Award for Architecture?

(a) Shaurya Smarak
(b) Vallabh Bhawan
(c) Taj-ul-Masajid
(d) Vidhan Bhavan

**Answer: (d)**

6. Which country has the largest number of bank branches in the world?

(a) Canada
(b) China
(c) India
(d) USA

**Answer: (c)**

7. Which is the longest beach in India?

(a) Juhu Beach
(b) Dandi Beach
(c) Puri Beach
(d) Marina Beach

**Answer: (d)**

8. Which Indian cricketer received the Padma Shri a d in 2017?

(a) Ravindra Jadeja
(b) M S Dhoni
(c) Virat Kohli
(d) Hardik Pandya

**Answer: (c)**

9. _____, an industrial town near Indore, has the nick name the Detroit of India for its heavy concentration of automotive industry.

(a) Dhamnod
(b) Pithampur
(c) Limbodi
(d) Ahirkhedi

**Answer: (b)**

10. 'Wings of Fire' is the autobiography of –

(a) K.Natwar Singh
(b) L.K Advani
(c) Sachin Tendulkar
(d) A.P.J Abdul Kalam

**Answer: (d)**

11. Baijnath Mishra (Baiju Bawra) was a _____ musician.

(a) Tappa
(b) Khyal
(c) Dhrupad
(d) Ghazal

**Answer: (c)**

12. In which state of India is the Kane Wildlife Sanctuary (KWS) located?

(a) Himachal Pradesh
(b) Goa
(c) Arunachal Pradesh
(d) Rajasthan

**Answer: (c)**

13. The Supreme Court of India banned the usage of vehicles falling under which of the following emission norm categories?

(a) BS IV
(b) BS II
(c) BS I
(d) BS III

**Answer: (d)**

14. Who founded the 'Indian Home Rule Society' in L ion?

(a) Shyamji Krishna Verma
(b) Gopal Krishna Gokhale
(c) Lala Lajpath Rai
(d) Annie Besant

**Answer: (a)**

15. Who is the author of the book, 'Ghulam Giri'?

(a) B R Ambedkar
(b) Mahasweta Devi
(c) Jyo ba Phule
(d) Kanshi Ram

**Answer: (c)**

16. Villages from which of the following districts have been included in the Climate Smart Village Project?

(a) Jhabua
(b) Panna
(c) Shajapur
(d) Rajgarh

**Answer: (d)**

17. Four numbers from which of the following sets add up to 57?

(a) {12,15,10,23}

(b) {12,15,10,15}

(c) {2,5,10,15}

(d) {15,14,9,19}

**Answer: (d)**

18. In a certain language, if Ram is called Mohan, Mohan is called Rahim, Rahim is called Ibrahim, Ibrahim is called Anuj, and Anuj is called Jai Prakash, then who is Ibrahim?

(a) Mohan

(b) Ram

(c) Rahim

(d) Anuj

**Answer: (d)**

19. S is shorter than K but taller than R, M is the tallest. A is a little shorter than K and a little taller than S. Who is the shortest?

(a) R

(b) K

(c) S

(d) A

**Answer: (a)**

21. Find the odd one out:

(a) Street

(b) Lane

(c) Station

(d) Highway

**Answer: (c)**

22. Find the odd one out:

(a) 21

(b) 39

(c) 51

(d) 83

**Answer: (d)**

23. Complete the series choosing the missing number:

5, 16, 49, 104, _____

(a) 115

(b) 148

(c) 181

(d) 170

**Answer: (c)**

24. Complete the series choosing the missing number:

1, 3, 5, 11, 21, _____

(a) 42
(b) 41
(c) 43
(d) 44

**Answer: (c)**

25. Complete the series choosing the missing number:

34, 18, 10, 6, 4, _____

(a) 2
(b) 1
(c) 0
(d) 3

**Answer: (d)**

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

Statements:

All girls are dancers

Some girls are not musicians

Conclusions:

I. Some dancers are not musicians

II. All musicians are dancers

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

**Answer: (b)**

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

Statements:

All gums are cups

Some powders are gums

Conclusions:

I. All powders are cups

II. Some cups are powder

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

**Answer: (c)**

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

Statements:

No trunks are ivories

No toes are trunks

Conclusions:

I. All toes are ivories

II. Some trunks are ivories

(a) both conclusions 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 aquas are octopus

All octopuses are dangerous

Conclusions:

I. Some aquas are dangerous

II. All octopuses are aquas

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

**Answer: (b)**

30. If CORNER is coded GSVRIV, then how is STREET coded?

(a) VTUIIX
(b) WUVIIX
(c) WXVIIX
(d) VXVIIX

**Answer: (c)**

31. CANCELLED

A writer born in Satna who wrote for movies like Mr India is

(a) Khan Abdul
(b) Salim Khan
(c) Sharat Saxena
(d) Javed Akhtar

**Answer: (c)**

32. CANCELLED

Madhya Pradesh's Fossil Park is located in_____.

(a) Katni
(b) Seoni
(c) Ratlam
(d) Satna

**Answer: (a)**

33. 'Servants of India Society' was founded by

(a) Ramakrishna Parahans

(b) Gopal Krishna Gokhale

(c) Bal Gangadhar Tilak

(d) Swami Vivekananda

**Answer: (b)**

37. If 'ski rips tir' means 'high church steeple', 'tir lon hyt' means 'simple church wedding', the code for which word would be 'tir'?

(a) simple

(b) steeple

(c) high

(d) church

**Answer: (d)**

38. Complete the series choosing the missing letters:

AEC, BFD, CGE, DHF, _____

(a) EGI

(b) EIG

(c) FHG

(d) RGH

**Answer: (b)**

39. How many numbers greater than 8000 can be formed with the digits 8, 0, 6, 2, and 5?

(a) 6

(b) 24

(c) 36

(d) 12

**Answer: (b)**

40. The smallest standard size of the Indian National Flag as per the Flag Code of India, 2002 is _____.

(a) 300 mm X 150 mm

(b) 450 mm X 300 mm

(c) 225 mm X 150 mm

(d) 150 mm X 100 mm

**Answer: (d)**

## Mental Ability and Mental Aptitude

5. Three businessmen hire a showroom for Rs. 25,200. If the first businessmen puts 20 electronic items for 8 days; the second businessmen puts 25 electronic items for 8 days; and the third businessmen puts 16 electronic items for 9 days; then what is the rent paid by each of them?

(a) Rs. 8,000, Rs. 10,000, Rs. 7,200

(b) Rs. 8,400, Rs. 8,400, Rs. 8,400

(c) Rs. 8,200, Rs. 9,000, Rs. 8,000

(d) Rs. 9,000, Rs. 9,000, Rs. 7,200

**Answer: (a)**

6. Tap-A fills a tank in 5 hrs, Tap-B fills the same tank in 15 hrs, and Tap-C empties the same tank in 10 hrs. With all the three taps open together, the tank will fill in:

(a) 6 hrs

(b) 5 hrs

(c) Never fill

(d) 10 hrs

**Answer: (a)**

7. The product of ages of P and Q is 35 years. The difference between the ages of P and Q is 2 year. Considering, P being the older among them, find the age of P.

(a) 4

(b) 6

(c) 7

(d) 9

**Answer: (c)**

8. The price of rice falls by 20%. By what per[illegible]e a percent can increase the consumption of rice so that his overall budget does not change?

(a) 35%

(b) 25%

(c) 20%

(d) 30%

**Answer: (b)**

9. The population of a town increases by 5 % every five years. Due to a high rate of industrialisation of the area, the population witnesses a further 5 % increase due to migration from neighbouring places. Which of the following can be the population of this place, if it is known that the present population of the place is between 44000 and 45000?

(a) 44,025

(b) 44,200

(c) 44,100

(d) 44,050

**Answer: (c)**

10. Out of three numbers, the first number is twice the second and 4 times the third. If the average of the numbers is 56. Find the difference between the largest and the smallest number.

(a) 75
(b) 70
(c) 72
(d) 71

**Answer: (c)**

11. When the price of a radio was reduced by 20 %, its sale increased by 80 %. What was the net effect on the sale?

(a) An increase of 44 %
(b) An increase of 75 %
(c) An increase of 66 %
(d) A decrease of 44 %

**Answer: (a)**

12. A man can row at a speed of 10 kmph in still water. If the speed of the stream is 2 kmph and he travels upstream and downstream in 30 mins, then what distance does he travel in all?

(a) 6.4 km
(b) 5 km
(c) 4 km
(d) 4.8 km

**Answer: (d)**

13. The ratio of the age of Aunt Agatha and Uncle Roger is 5 : 6, the same as the ratio of the ages of their children Suzanne and Bernard. If the sum of the ages of Suzanne and Aunt Agatha five years back was 60, what will be the sum of the ages of Bernard and Uncle Roger five years hence?

(a) 74
(b) 84
(c) 94
(d) 79

**Answer: (c)**

14. In travelling form City A to B, a person drove 2 hours at 70 kmph; next 2 hours at 50 kmph and last 5 hours at 45 kmph. What is his average speed for the whole trip.

(a) 51.66 kmph
(b) 55.66 kmph
(c) 51 kmph
(d) 55 kmph

**Answer: (a)**

16. A number consists of two digits whose sum is 8. If 18 is subtracted from the number, then the digits are reversed. Find the number.

(a) 80
(b) 53
(c) 62
(d) 71

**Answer: (b)**

17. A sum of Rs. 2880 is divided into two parts in a ratio of 7 : 11. The larger part will be:

(a) Rs. 1920
(b) Rs. 1760
(c) Rs. 1120
(d) Rs. 960

**Answer: (b)**

18. A store keeper sells a part of a hundred kilogram sugar bag at 10% profit and the remaining at 20% profit. He profits a total of 18% on the entire bag. How many kilograms does he sell at 20% profit?

(a) 85 kg
(b) 75 kg
(c) 80 kg
(d) 20 kg

**Answer: (c)**

19. If seven workers finish two-thirds of a j[illegible]in fo[illegible]ays, then how many more workers have to be hired to finish the remaining job in one day?

(a) 7
(b) 10
(c) 5
(d) 3

**Answer: (a)**

20. 60 % of the Scholars in a college are Girls. The annual pocket money of each girl Scholar is Rs. 25,000 and Boy Scholar is Rs. 35,000. What is the average annual pocket money of all the scholars in the college together?

(a) 29500
(b) 31000
(c) 29000
(d) 30000

**Answer: (c)**

21. The selling price of 4 articles is the same as the cost price of 5 articles. Find the loss or profit percentage.

(a) 30 %
(b) 25 %
(c) 10 %
(d) 40 %

**Answer: (b)**

22. Renu, Minu and Sonu are three cousins. Renu and Minu are of the same age and sum of the ages of three cousins' is five times the age of Sonu. Three years ago Renu's age was thrice the age of Sonu. What will be Sonu's age after four years?

(a) 12 years
(b) 7 years
(c) 8 years
(d) 10 years

**Answer: (d)**

24. Find the average of the first 91 natural numbers.

(a) 45.5
(b) 46
(c) 45
(d) 91

**Answer: (b)**

25. Ganesh is younger than Rahul by 6 yea[illegible]f th[illegible]ges are in the respective ratio of 3 : 5, how old is Ganesh?

(a) 6 years
(b) 15 years
(c) 12 years
(d) 9 years

**Answer: (d)**

26. Two men are walking to a certain distance. One at 4 kmph and another 5 kmph. The latter arrives half an hour before the former. Find the distance.

(a) 10 km
(b) 12 km
(c) 6 km
(d) 7.5 km

**Answer: (a)**

27. 40 men working 8 hours per day can complete a piece of work in 21 days. How many hours per day must 120 men work to complete the same piece of work in 7 days?

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

**Answer: (d)**

29. Find the average.

11, 23, 37, 49, 55 & 71

(a) 39
(b) 41
(c) 40
(d) 35

**Answer: (b)**

## Science and Simple Arithmetic

8. Renu is x years old. Her sister Beena is 5 years older to her. If their ages add up to 35, then Beena's age is:

(a) Divisible by 9
(b) Multiple of 5
(c) Multiple of 3
(d) Multiple of 7

**Answer: (b)**

9. A person sells a radio of price Rs. 1000 at 20% discount to another person. The second person increases its price by Rs. 400 and sells it at a discount of 25%. What is the profit percentage made by the second person?

(a) 12.5%
(b) 5%
(c) 12%
(d) 10%

**Answer: (a)**

12. The cost of a new television set is Rs. 22000. Its value depreciates every year at the rate of 20%. What will the depreciated price be after two years?

(a) Rs. 14080
(b) Rs. 18800
(c) Rs. 16000
(d) Rs. 14800

**Answer: (a)**

14. On a hot summer afternoon, the tent made up of white fabric will be preferred as white colour is:
(a) A good absorber and bad reflector of heat
(b) A bad absorber and good reflector of heat
(c) Neither an absorber nor good reflector of heat
(d) A conductor of heat
**Answer: (b)**

15. When wax is heated, it undergoes some changes. Pick out the correct statement.
(a) Solid wax gets converted into liquid which is a chemical change.
(b) Water vapour is produced which is a physical change.
(c) Carbon dioxide is formed which is a physical change.
(d) Soot is formed which is a chemical change.
**Answer: (d)**

17. Which of the following is a bad conductor of electricity?
(a) Tap water
(b) Distilled water
(c) Salt water
(d) Alcohol
**Answer: (b)**

18. Which one of the following is not a GM (transgenic) crop?
(a) BT cotton
(b) Tomato – flavrsavr
(c) Basmati rice
(d) Golden rice
**Answer: (c)**

20. Calcium has 20 electrons and 20 neutrons and Argon has 18 protons and 22 neutrons. What is similar between them?
(a) Mass number
(b) Number of valence electrons
(c) Atomic number
(d) Atomic mass
**Answer: (a)**

21. Remote sensing means:
(a) Using a TV remote
(b) Collecting information from a distance
(c) Gathering information from the surrounding
(d) Going to remote places
**Answer: (b)**

22. Identify the prokaryotic cell from the following.
    (a) Cell of blue green alga
    (b) Cell of bread mould
    (c) Human cheek cell
    (d) Onion cell

    **Answer: (a)**

23. To which of the following organelle does ribosome attach to?
    (a) Mitochondria
    (b) Golgi
    (c) Endoplasmic reticulum
    (d) Nucleus

    **Answer: (c)**

24. Bone and cartilage are:
    (a) Skeletal connective tissue
    (b) Muscular tisssue
    (c) Fluid connective tissue
    (d) Connective proper tissue

    **Answer: (a)**

30. Which one of the following conditions is NOT ess al for germination of seeds?
    (a) Fertilizer
    (b) Sunlight
    (c) Air
    (d) Moisture

    **Answer: (a)**

# 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 | **(c)** | 3 | **(d)** | 4 | **(d)** | 5 | **(d)** | 6 | **(c)** | 7 | **(d)** | 8 | **(c)** |
| 9 | **(b)** | 10 | **(d)** | 11 | **(c)** | 12 | **(c)** | 13 | **(d)** | 14 | **(a)** | 15 | **(c)** | 16 | **(d)** |
| 17 | **(d)** | 18 | **(d)** | 19 | **(a)** | 21 | **(c)** | 22 | **(d)** | 23 | **(c)** | 24 | **(c)** | 25 | **(d)** |
| 26 | **(b)** | 27 | **(c)** | 28 | **(d)** | 29 | **(b)** | 30 | **(c)** | 31 | **(c)** | 32 | **(a)** | 33 | **(b)** |
| 37 | **(d)** | 38 | **(b)** | 39 | **(b)** | 40 | **(d)** | | | | | | | | |

## Mental Ability and Mental Aptitude

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | **(a)** | 6 | **(a)** | 7 | **(c)** | 8 | **(b)** | 9 | **(c)** | 10 | **(c)** | 11 | **(a)** | 12 | **(d)** |
| 13 | **(c)** | 14 | **(a)** | 16 | **(b)** | 17 | **(b)** | 18 | **(c)** | 19 | **(a)** | 20 | **(c)** | 21 | **(b)** |
| 22 | **(d)** | 24 | **(b)** | 25 | **(d)** | 26 | **(a)** | 27 | **(d)** | 29 | **(b)** | | | | |

## Science and Simple Arithmetic

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | **(b)** | 9 | **(a)** | 12 | **(a)** | 14 | **(b)** | 15 | **(d)** | 17 | **(b)** | 18 | **(c)** | 20 | **(a)** |
| 21 | **(b)** | 22 | **(a)** | 23 | **(c)** | 24 | **(a)** | 30 | **(a)** | | | | | | |