PREVIOUS YEAR PAPER

# MP Police Constable 2017 — 13 September 2017, Shift 1

MP Police Constable · 13 September 2017 · 09:00 AM

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

Left out of the original paper: 27 (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 13 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-2017-13-sep-shift-1/

## General Knowledge and Logical Knowledge

1. Largest Desert in India is in __

(a) Uttar Pradesh
(b) Bihar
(c) Rajasthan
(d) Madhya Pradesh

**Answer: (c)**

2. River that makes a boundary between Madhya Prad[illegible]h and Uttar Pradesh is

(a) Chambal
(b) Gambhir
(c) Jamni
(d) Betwa

**Answer: (c)**

3. Which of the following railways in not part of the World Heritage Site – Mountain Railways of India?

(a) Nilgiri Mountain Railway
(b) Jammu-Baramulla Line
(c) Darjeeling Himalayan Railway
(d) Kalka Shimla Railway

**Answer: (b)**

4. India's first passenger train ran in the year _____.

(a) 1853
(b) 1923
(c) 1835
(d) 1917

**Answer: (a)**

5. What is the name of the ruling family of Mysore?
   (a) Basavaraju family
   (b) Narayan family
   (c) Wodeyar family
   (d) Lakkanna family
   **Answer: (c)**

6. Rohtang pass is in
   (a) India
   (b) Bangladesh
   (c) Nepal
   (d) Pakistan
   **Answer: (a)**

7. Government of India has appointed _____ as the new Vice-Chairman of NITI Aayog.
   (a) Sanjeev Sanyal
   (b) Sanjay Mitra
   (c) Ramanathan Ramanan
   (d) Rajiv Kumar
   **Answer: (d)**

8. Where was the World Conference on Environment [illegible]7 organized?
   (a) Jaipur
   (b) Bhopal
   (c) Indore
   (d) Delhi
   **Answer: (d)**

9. In which year was the first Five Year Plan implemented?
   (a) 1951
   (b) 1952
   (c) 1955
   (d) 1950
   **Answer: (a)**

10. In which state of India is the famous Sanchi Stupa located
   (a) Jharkhand
   (b) Andhra Pradesh
   (c) Maharashtra
   (d) Madhya Pradesh
   **Answer: (d)**

12. The popular sitar player who learnt music from musician Mahar in Satna is
    (a) Pandit Raguram Misra
    (b) Pandit Jesraj
    (c) Pandit Ravishankar
    (d) Amjid Ali Khan
    **Answer: (c)**

13. The approximate length of river Narmada is about
    (a) 900 Kilometers
    (b) 3200 Kilometers
    (c) 1300 Kilometers
    (d) 515 Kilometers
    **Answer: (c)**

14. If RICKSHAW is coded PKAMQJYY, then how is BICYCLE coded?
    (a) DGEWEJG
    (b) DKEAENG
    (c) ZGAWAJC
    (d) ZKAAANC
    **Answer: (d)**

15. Arjuna Award is given for
    (a) bravery on battlefield
    (b) exceptional service in emergency
    (c) outstanding performance in sports
    (d) social service
    **Answer: (c)**

16. Patna stands on the banks of___
    (a) Sutlej
    (b) Ganga
    (c) Narmada
    (d) Mahanadi
    **Answer: (b)**

17. Who among these was the founder of the Arya Samaj?
    (a) Ramakrishna Paramahamsa
    (b) Swami Vivekananda
    (c) Swami Dayanand Saraswati
    (d) Raja Ram Mohan Roy
    **Answer: (c)**

18. Who was adjudged as the best Director at the National Film Awards 2013?
    (a) Hansal Mehta
    (b) Balu Mahendra
    (c) Anand Gandhi
    (d) Rakesh Omprakash Mehra
    **Answer: (a)**

19. Who won the 'third battle of Panipat'?'
    (a) Ibrahim Lodhi
    (b) Ahmad Shah Abdali
    (c) Sher Shah Suri
    (d) Hem Chandra Vikramaditya
    **Answer: (b)**

20. Find the odd one out:
    (a) cock and hen
    (b) King and Minister
    (c) Husband and wife
    (d) Dog and Bitch
    **Answer: (b)**

21. Find the odd one out:

2, 9, 28, 65, 126, 217, 295
    (a) 217
    (b) 126
    (c) 295
    (d) 9
    **Answer: (c)**

22. What is the value of x in 3×6 – 2×0 - x6 = 60?
    (a) 6
    (b) 5
    (c) 3
    (d) 4
    **Answer: (d)**

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

25. Complete the series choosing the missing number:

1, 2, 4, 7, 11, 16, ____

(a) 20
(b) 24
(c) 18
(d) 22

**Answer: (d)**

26. Complete the series choosing the missing number:

6, 9, 18, 45, _____

(a) 85
(b) 135
(c) 61
(d) 52

**Answer: (b)**

27. Complete the series choosing the missing number:

22, 15, 8, 1, _____, -13

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

**Answer: (c)**

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

Statements:

All bangles are round

Some rings are bangles

Conclusions:

I. All round bangles are rings

II. Some rings are round

(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: (a)**

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

Statements:

Some grains are nuts

Some nuts are pulses

Conclusions:

I. Some pulses are nuts

II. Some grains are pulses

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

**Answer: (d)**

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

Statements:

All shirts are pants

No pant is black

Conclusions:

I. No shirts are black

II. Some pants are shirts

(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)**

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

Statements:

Some pebbles are stones

Some stones are rocks

Conclusions:

I. Some rocks are not stones

II. Some stones are pebbles

(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: (a)**

32. Find the next expression in the series: A, AAB, AAABBC, _____?

(a) AAABBBBCD
(b) AAAABBCCD
(c) AAAABBBCD
(d) AAAABBBBC

**Answer: (c)**

36. Complete the series choosing the missing elements:

bcc__bc__abcc__b__ca

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

**Answer: (d)**

37. In a certain code language Dark Red Colour is written kim cof demb and Red Ball Pen is written fink lima kim, then how is Red coded?

(a) lima
(b) kim
(c) fink
(d) cof

**Answer: (b)**

38. In a certain code language, hela dela kela means secret code word, dela hola jala means the last word, and kela kola pela means her secret affair. Which is the word for hela in that code language?

(a) affair
(b) secret
(c) last
(d) code

**Answer: (d)**

39. Among the following, the leader most closely associated with the Sarvodaya movement was

(a) Rajendra Prasad
(b) Jawaharlal Nehru
(c) Acharya Narendra Dev
(d) Jayaprakash Narayan

**Answer: (d)**

## Mental Ability and Mental Aptitude

4. Rs. 750 are divided among A, B and C in such a manner that A : B = 5 : 2 and B : C = 7 : 13, What is C's share?

(a) Rs. 250
(b) Rs. 200
(c) Rs. 260
(d) Rs. 140

**Answer: (c)**

6. If the side of a square is increased by 7 %, t.. .s area will increase by:

(a) 7 %
(b) 14.49 %
(c) 49 %
(d) 4.9 %

**Answer: (b)**

7. If the radius of a cylinder is increased by 20 %, find the percentage increase in its volume.

(a) 45 %
(b) 44 %
(c) 40 %
(d) 42 %

**Answer: (b)**

8. If the cost of 1 dozen apples is Rs. 18, then the cost of 25 apples will be:

(a) Rs. 25.00
(b) Rs. 36.50
(c) Rs. 37.50
(d) Rs. 35.00

**Answer: (c)**

9. Tap A fills a tank in 9 hours; Tap B fills the same tank in 6 hours. If both the taps are opened simultaneously, they will fill the tank in:

(a) 7 hours 30 min

(b) 3 hours 36 min

(c) 3 hours 45 min

(d) 5 hours

**Answer: (b)**

10. A father is 30 years older than his son. However, he will be only thrice as old as his son after 5 years. What is the present age of the father?

(a) 40 years

(b) 50 years

(c) 30 years

(d) 60 years

**Answer: (a)**

11. If 32 / x = x / 8, then the value of x is:

(a) 246

(b) 16

(c) 256

(d) 14

**Answer: (b)**

12. A and B can do a work in 20 days; B and C can do the same work in 12 days; A and C can do the same work in 15 days. If all of them work together, then how many days will it take for them to complete the work? A

(a) 14 days

(b) 10 days

(c) 12 days

(d) 8 days

**Answer: (b)**

13. A and B, working separately, can do a piece of work in 10 and 15 days respectively. If they work on alternate days beginning with A, then in how many days will the work be completed?

(a) 13 days

(b) 12 days

(c) 18 days

(d) 9 days

**Answer: (b)**

14. The Present age of Mitesh and Saumil are 30 and 40 respectively. How many years before the ages of Mitesh and Saumil were in the ratio of 3 : 5?

(a) 16
(b) 10
(c) 5
(d) 15

**Answer: (d)**

16. The sides of a triangle are 5 cm, 12 cm and 13 cm. Find its area.

(a) 30 sq.cm
(b) 5 sq.cm
(c) 10 sq.cm
(d) 15 sq.cm

**Answer: (a)**

17. A bullet travels at 750 m/sec. How long will it take to travel 1 km?

(a) 1.33 sec
(b) 1.4 sec
(c) 1.5 sec
(d) 1.2 sec

**Answer: (a)**

19. The average age of five girls is 11. The oldest am[illegible], them is 15 years old. What is the average age of the others?

(a) 4
(b) 12
(c) 10
(d) 9

**Answer: (c)**

20. The average of eight number is 12. The average of six of these numbers is 14. The average of remaining two numbers is:

(a) 4
(b) 6
(c) 7
(d) 5

**Answer: (b)**

21. The average of 7 numbers is 5. If the average of the first six of these numbers is 4, the seventh number is / 7

(a) 12
(b) 11
(c) 14
(d) 15

**Answer: (b)**

22. The average of first seven multiples of 25 is:

(a) 100
(b) 75
(c) 125
(d) 150

**Answer: (a)**

23. Insert 2 fractions between 1 and 3/11:

(a) 4/3 and 4/7
(b) 2/3 and 1/7
(c) 2/3 and 2/7
(d) 1/3 and 2/7

**Answer: (d)**

24. The cost price of a desk and a chair is Rs. 371. If the desk costs 12 % more than the chair, find the cost price of the desk.

(a) Rs. 195
(b) Rs. 196
(c) Rs. 197
(d) Rs. 194

**Answer: (b)**

25. Smitha, an oil merchant, buys oil at Rs. 33 per litr nd sells it at Rs. 40.50 per litre. If she sells 225 litres of oil in a month, what is her total profit?

(a) Rs. 1487.50
(b) Rs. 1587.50
(c) Rs. 1387.50
(d) Rs. 1687.50

**Answer: (d)**

26. Find the average.

7, 13, 19, 25, 31 & 47

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

**Answer: (b)**

27. Find the average of first 12 multiples of 10:

(a) 55
(b) 70
(c) 60
(d) 65

**Answer: (d)**

28. A train of 180 m long passed a pole in 24 sec. How long will it take to pass a platform of 255 m long? / 180

(a) 52 sec

(b) 50 sec

(c) 55 sec

(d) 58 sec

**Answer: (d)**

29. If Akshaya's age is 1.5 times of what it was 10 years ago; and 0.66 times of what it will be after 10 years; then, what is her present age?

(a) 24

(b) 26

(c) 27

(d) 25

**Answer: (b)**

## Science and Simple Arithmetic

8. Two cylindrical cans have bases of the same size. The diameter of each is 14 cm. One of the cans is 10 cm high and the other is 20 cm high. The ratio of their volumes is:

(a) 3 : 4

(b) 2 : 3

(c) 1 : 4

(d) 1 : 2

**Answer: (d)**

9. Reema types 540 words during half an hour. How many words she type in 6 minutes?

(a) 90

(b) 100

(c) 108

(d) 106

**Answer: (c)**

10. The difference between the squares of two consecutive natural numbers is 31. The numbers are:

(a) 14 and 15

(b) 17 and 18

(c) 15 and 16

(d) 16 and 17

**Answer: (c)**

11. The smallest perfect square divisible by each one of the numbers 6, 9, 15 and 20 is:
(a) 36
(b) 900
(c) 3600
(d) 225
**Answer: (b)**

12. An astronaut is standing on the moon. He throws a ball upward. The ball would:
(a) Keep bouncing on the moon
(b) Go up and then come back to the surface of the moon
(c) Fall into space
(d) Keep going up and never come down
**Answer: (b)**

13. Name the watery fluid in which blood cells float.
(a) Serum
(b) Blood
(c) Plasma
(d) Lymph
**Answer: (c)**

17. The network of drainage pipe to carry out waste w r is called:
(a) Sewer system
(b) Drainage
(c) Waste water supply
(d) Water supply system
**Answer: (a)**

18. Which one of the following statements is NOT true for a rectangle?
(a) Its diagonals bisect each other.
(b) Its diagonals are perpendicular.
(c) Its diagonals are equal and bisect each other.
(d) Its diagonals are equal.
**Answer: (b)**

19. The population of a town was 25000. If it had increased by 4%, 5% and 8% in the last three years, the present population of the town is:
(a) 29484
(b) 29000
(c) 29400
(d) 28900
**Answer: (a)**

20. Rahul gets Rs. 5000. He spends 15% on studies, 28% on food and 10% on clothing. His savings will be:

(a) Rs. 2500
(b) Rs. 2200
(c) Rs. 2300
(d) Rs. 2000

**Answer: (c)**

22. Reproductive functions in humans are initiated by:

(a) Hormones
(b) Nerves
(c) Enzymes
(d) Blood

**Answer: (a)**

23. Earthing is provided in homes to protect the homes from:

(a) Electric shocks
(b) Earthquakes
(c) Cyclonic storms
(d) Lightning

**Answer: (a)**

24. The water conducting tissue generally present ir mnosperm is:

(a) Xylem fiber
(b) Sieve tube
(c) Vessel
(d) Tracheid

**Answer: (d)**

25. The percentage of solar radiation absorbed by all the green plants for the process of photosynthesis is about_____.

(a) 1%
(b) 5%
(c) 10%
(d) 8%

**Answer: (a)**

26. Which of the following is a male hormone?

(a) Insulin
(b) Thyroxin
(c) Estrogen
(d) Testosterone

**Answer: (d)**

29. The most common chemical used for water disinfection is:

(a) Oxygen

(b) Chlorine

(c) Nitrogen

(d) Carbon dioxide

**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 | **(c)** | 2 | **(c)** | 3 | **(b)** | 4 | **(a)** | 5 | **(c)** | 6 | **(a)** | 7 | **(d)** | 8 | **(d)** | 9 | **(a)** |
| 10 | **(d)** | 12 | **(c)** | 13 | **(c)** | 14 | **(d)** | 15 | **(c)** | 16 | **(b)** | 17 | **(c)** | 18 | **(a)** | 19 | **(b)** |
| 20 | **(b)** | 21 | **(c)** | 22 | **(d)** | 24 | **(c)** | 25 | **(d)** | 26 | **(b)** | 27 | **(c)** | 28 | **(a)** | 29 | **(d)** |
| 30 | **(d)** | 31 | **(a)** | 32 | **(c)** | 36 | **(d)** | 37 | **(b)** | 38 | **(d)** | 39 | **(d)** | | | | |

## Mental Ability and Mental Aptitude

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4 | **(c)** | 6 | **(b)** | 7 | **(b)** | 8 | **(c)** | 9 | **(b)** | 10 | **(a)** | 11 | **(b)** | 12 | **(b)** | 13 | **(b)** |
| 14 | **(d)** | 16 | **(a)** | 17 | **(a)** | 19 | **(c)** | 20 | **(b)** | 21 | **(b)** | 22 | **(a)** | 23 | **(d)** | 24 | **(b)** |
| 25 | **(d)** | 26 | **(b)** | 27 | **(d)** | 28 | **(d)** | 29 | **(b)** | | | | | | | | |

## Science and Simple Arithmetic

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | **(d)** | 9 | **(c)** | 10 | **(c)** | 11 | **(b)** | 12 | **(b)** | 13 | **(c)** | 17 | **(a)** | 18 | **(b)** | 19 | **(a)** |
| 20 | **(c)** | 22 | **(a)** | 23 | **(a)** | 24 | **(d)** | 25 | **(a)** | 26 | **(d)** | 29 | **(b)** | | | | |