PREVIOUS YEAR PAPER

MP Police Constable 2017 — 8 September 2017, Shift 1

MP Police Constable · 8 September 2017 · 09:00 AM

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

Left out of the original paper: 26 (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 8 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-2017-8-sep-shift-1/

General Knowledge and Logical Knowledge

1. The most populated city in Madhya Pradesh is_____.
   (a) Jabalpur
   (b) Satna
   (c) Gwalior
   (d) Indore
   Answer: (d)

2. Which place in India is a reference for determining Indian Standard Time?
   (a) Kolkata
   (b) Allahabad
   (c) Mumbai
   (d) Delhi
   Answer: (b)

3. Which monument was declared as the World Heritage Site in Madhya Pradesh by the UNESCO in 2008?
   (a) Sanchi Stupa
   (b) Bhimbetka Caves
   (c) The Kanha National Park
   (d) The Narmada Tapti Estuary
   Answer: (b)

4. Which is the highest dam in India?
   (a) Tehri Dam
   (b) Sardar Sarovar Dam
   (c) Uri- II Dam
   (d) Bhadra Dam
   Answer: (a)

5. In 1947, who was the Prime Minister of Jammu and Kashmir?
   (a) Hazrat Nizamuddin
   (b) Sheikh Maktoum
   (c) Sheikh Abdullah
   (d) Sheikh Mohammad
   Answer: (c)

6. Under whose leadership was Operation Bluestar carried out?
   (a) Morarjee Desai
   (b) Indira Gandhi
   (c) VP Singh
   (d) Rajiv Gandhi
   Answer: (b)

7. In which Indian city is Taj Mahal located?
   (a) Mumbai
   (b) Agra
   (c) Jaipur
   (d) Delhi
   Answer: (b)

8. The first amendment to the Constitution of India ma changes in
   (a) 8th Schedule
   (b) Article 370
   (c) Fundamental rights
   (d) Directive Principles
   Answer: (c)

9. Kopra, Vyama and Bearna are all tributaries of_____.
   (a) Ken
   (b) Chambal
   (c) Tapti
   (d) Betwa
   Answer: (a)

10. Who is known as the 'Flying Sikh of India'?
   (a) Milkha Singh
   (b) Harbhajan Singh
   (c) Vijender Singh
   (d) Manmohan Singh
   Answer: (a)

11. Who is known as the ‘Iron Man’ of India?
    (a) Sardar Vallabhai Patel
    (b) Netaji Subhas Chandra Bose
    (c) Jawaharlal Nehru
    (d) B.R. Ambedkar
    Answer: (a)

12. Who is the Chancellor of Nalanda University?
    (a) Amartya Sen
    (b) Ram Nath Kovind
    (c) Vijay Bhatkar
    (d) Sunaina Singh
    Answer: (c)

13. Who has been the longest serving Speaker of Lok Sabha?
    (a) Meira Kumar
    (b) GMC Balayogi
    (c) Balram Jakhar
    (d) G V Mavlankar
    Answer: (c)

14. Which of the following is the second capital of Hir nal Pradesh?
    (a) Dharamshala
    (b) Hamirpur
    (c) Una
    (d) Solan
    Answer: (a)

15. The first Jalabhishek Abhiyan was launched in Madhya Pradesh in the year _____.
    (a) 2015
    (b) 2008
    (c) 2002
    (d) 2006
    Answer: (d)

16. If 3rd December 1999 is Sunday, what day is 3rd January 2000?
    (a) Tuesday
    (b) Wednesday
    (c) Thursday
    (d) Friday
    Answer: (b)

17. Complete the series choosing the missing number:

0, 2, 3, 5, 8, 10, _____, 17, 24

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

Answer: (d)

18. Complete the series choosing the missing number:

224, 195, 168, _____, 120

(a) 143
(b) 146
(c) 144
(d) 145

Answer: (a)

19. Complete the series choosing the missing number:

145, 170, 197, _____, 257

(a) 224
(b) 230
(c) 225
(d) 226

Answer: (d)

20. In which year was the Bangladesh Liberation War fought between India and Pakistan?

(a) 1971
(b) 1970
(c) 1972
(d) 1973

Answer: (a)

25. Who is the founder of ISRO?

(a) Vikram Sarabhai
(b) Satyendra Nath Bose
(c) Birbal Sahni
(d) APJ Abdul Kalam

Answer: (a)

26. If TELEVISION is coded VELETISION, then how is SUBSTITUTION coded?
(a) SUBITSTUTION
(b) ITSBUSNOITUT
(c) ITSBUSTUTION
(d) SUBSTINOITUT
Answer: (c)

27. Find the odd one out:
(a) Mathematics
(b) English
(c) Economics
(d) Science
Answer: (b)

28. Find the odd one out:
(a) (13 – 17)
(b) (7 – 11)
(c) (19 – 25)
(d) (19 – 23)
Answer: (c)

29. If the seventh day of a month is three (3) days ea than Friday, what day will it be on the nineteen day of the month?
(a) Wednesday
(b) Monday
(c) Sunday
(d) Friday
Answer: (c)

30. Sam ranked ninth from the top and thirty eighth from the bottom in a class. How many students are there in the class?
(a) 48
(b) 47
(c) 46
(d) 45
Answer: (c)

32. If MARUTI is coded NBSVUJ, then how is VEHICLES coded?
(a) WFIJDNFT
(b) WFIJDMET
(c) WFIKDMFT
(d) WFIJDMFT
Answer: (d)

33. In a certain language, fine silk is written as okara prena, clear water is written as menta jenso, fine clear weather is written as prena jenso carpa, What word represents water in the given code?

(a) menta
(b) prena
(c) fenso
(d) carpa

Answer: (a)

34. The Constitution of India was adopted by the Constituent Assembly in

(a) 1951
(b) 1952
(c) 1949
(d) 1950

Answer: (c)

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

Statements:

All noodles are cycles

Some candles are not noodles

Conclusions:

I. All candles are cycles

II. Some candles are cycles

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

Answer: (b)

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

Statements:

All jumbos are fighters

Some boxers are jumbos

Conclusions:

I. All boxers are fighters

II. Some fighters are boxers

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

Answer: (c)

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

Statements:

All travels are buses

Some travels are lorries

Conclusions:

I. Some buses are lorries

II. Some lorries are buses

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

Answer: (a)

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

Statements:

All umbrellas are plastics

Some umbrellas are not filters

Conclusions:

I. Some plastics are not filters

II. All filters are plastics

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

Answer: (c)

40. Union Territories are headed by

(a) Governors
(b) Lt. Governors
(c) President
(d) Prime Minister

Answer: (b)

Mental Ability and Mental Aptitude

5. The price of a car is Rs. 4,50,000 which was insured against accident to 90% of its price. When the car was damaged completely in an accident, the insurance company paid 95% of the insured amount. What was the difference between the price of the car and the amount received?

(a) Rs. 65,500
(b) Rs. 66,000
(c) Rs. 65,250
(d) Rs. 65,000

Answer: (c)

6. A man covers a distance of 160 km at 64 kmph and next 160 km at 80 kmph. What is his average speed for his whole journey of 320 km?

(a) 71.11 kmph
(b) 81.11 kmph
(c) 61.11 kmph
(d) 51.11 kmph

Answer: (a)

7. Lucky is older than Vicky by 6 years. 6 years back their ages were in the ratio of 1:2. Find the present age of Lucky.

(a) 16
(b) 12
(c) 18
(d) 14

Answer: (c)

8. Simplify the ratio 21 : 42 : 63.

(a) 1 : 4 : 9
(b) 3 : 6 : 9
(c) 1 : 2 : 3
(d) 2 : 4 : 7

Answer: (c)

9. A reduction of 10 % in the price of sugar would enable a man to buy 2 kgs of sugar more for Rs. 125. Find the reduced price per kg

(a) Rs. 8.75
(b) Rs. 8
(c) Rs. 6
(d) Rs. 6.25

Answer: (d)

10. If the length of a square is increased by 30%, and breadth of the square is increased by 25%, then what will be the area of the resulting rectangle while comparing to the square.

(a) 62.5%
(b) 75%
(c) 55%
(d) 45.5%

Answer: (a)

11. Tap A fills a tank in 6 hrs and Tap B empties the same tank in 9 hrs. If both the taps are opened simultaneously, the tank will fill in:

(a) 15 hrs
(b) 21 hrs
(c) 12 hrs
(d) 18 hrs

Answer: (d)

12. A person's present age is 2/5 the age of his mother. After 8 years, he will be 1/2 the age of his mother. How old is the mother at present?

(a) 40 years
(b) 32 years
(c) 48 years
(d) 36 years

Answer: (a)

13. A person covers a distance of 800 m at a particular speed. If the speed is 15 m/s more, he would have reached his destination 12 seconds earlier. Find the original speed.

(a) 30 m/s
(b) 25 m/s
(c) 20 m/s
(d) 35 m/s

Answer: (b)

14. In a packet of sweets there are 200 sweets. These are to be distributed among three groups of students. The first group of 23 students will get 2 sweets each; the second group of students will get 1 sweet each, while the third group of 38 students gets 3 sweets each. If there are no sweets left after distribution, how many students were there in the second group?

(a) 40
(b) 38
(c) 44
(d) 35

Answer: (a)

16. In a group of 70 swimmers, if 10 know both breaststroke and freestyle; 20 know only backstroke; and 35 know freestyle; then, how many of the swimmers know breaststroke?

(a) 10
(b) 15
(c) 25
(d) 35

Answer: (c)

17. A can do a piece of work in 12 days and B in 16 days. The two undertake to do it for Rs. 6,000. With the help of C they are able to complete the work in 6 days. What is the share of A?

(a) Rs.1,440
(b) Rs. 2,400
(c) Rs. 2,880
(d) Rs. 3,000

Answer: (d)

18. Rama bought goods at a discount of 20% of the list price. He marks them at a price so that he can give a discount of 20% on the marked price; but still makes a profit of 20% on the selling price. What percent of the list price is the marked price?

(a) 180%

(b) 175%

(c) 125%

(d) 100%

Answer: (c)

19. The average expenditure of a family for the whole year is Rs.30,000. The average expenditure during the first 6 months was Rs.28,000. Find the average expenditure of the family during the last six months of the year.

(a) Rs. 34,000

(b) Rs. 30,000

(c) Rs. 32,000

(d) Rs. 33,000

Answer: (c)

20. The average age of a class is 12. If the age of the piano teacher is also included, the average age goes up to 13. If the ages of the piano teacher and the geography teacher who is 38 years old are included, the average age further goes up by 1. What is the number of students in the class?

(a) 24

(b) 23

(c) 22

(d) 25

Answer: (b)

22. Six years hence, a father's age will be three times his son's age and three years ago, he was nine times as old as his son. The father's present age is

(a) 24 years

(b) 40 years

(c) 28 years

(d) 30 years

Answer: (d)

23. In the month of May, Sagar purchased a packet of milk for Rs. 10.50, a litre of oil for Rs. 35 and a kilo of cleaning powder for Rs. 26. In the month of June the prices of all the things changed. He paid Rs. 1 less for milk, Rs. 38 per litre for oil and Rs. 4 more for cleaning powder. How much was the difference between what he paid in June and May?

(a) Rs. 7 less

(b) Rs. 5 less

(c) Rs. 4 more

(d) Rs. 6 more

Answer: (d)

24. The number of times 589 is divided by 43 so that the remainder is less than 43 is:

(a) 12
(b) 11
(c) 13
(d) 14

Answer: (c)

25. Ten years ago A was half of B in age. If the ratio of their present ages is 3 : 4, what will be the total of their present ages?

(a) 41
(b) 37
(c) 35
(d) 30

Answer: (c)

26. A tradesman's charges are 20% over cost price; he allows his customer 10% off their bills for cash payment. What is his net gain percent?

(a) 12
(b) 10
(c) 15
(d) 8

Answer: (d)

27. A number when multiplied by its reverse gives a number which is greater than 1400. Sum of the digits of the number is 7. Which of the following will be the required number?

(a) 52
(b) 34
(c) 61
(d) 25

Answer: (b)

29. Find the average.

87, 91, 95, 99, 4 & 8

(a) 67
(b) 66
(c) 64
(d) 65

Answer: (c)

Science and Simple Arithmetic

6. Find the value of x, if 5x = (57.75)2 - (42.25)2.

(a) 250.5

(b) 340.75

(c) 310

(d) 290

Answer: (c)

8. The circumference of the base of a cylinder is 132 cm and its height is 20 cm. How many liters of water can it hold?

(a) 34.65 liters

(b) 3.465 liters

(c) 2.72 liters

(d) 27.72 liters

Answer: (d)

10. Rita has Rs. 500 in tens- and five-rupee notes. If the number of ten-rupee notes is 5 more than the number of five-rupee notes, how many notes does she have in ten-rupee denomination?

(a) 32

(b) 28

(c) 35

(d) 30

Answer: (c)

11. 'A' bought an article for Rs. 800 and sold it to 'B' at a profit of 5%. If 'B' sold it to 'C' at a profit of 10%, then the amount paid by

(a) Rs. 886

(b) Rs. 924

(c) Rs. 842

(d) Rs. 958

Answer: (b)

12. The cube root of 0.002744 is:

(a) 0.18

(b) 0.14

(c) 0.014

(d) 0.018

Answer: (b)

13. Find the difference between compound interest and simple interest on Rs. 62500 at

12% per annum for 2 years.

(a) Rs. 800
(b) Rs. 950
(c) Rs. 850
(d) Rs. 900

Answer: (d)

15. Select the most accepted advantage of the regulation of gene action.

(a) Enables the cells to adjust their metabolism to environmental changes only
(b) Play a role in growth and differentiation, causing morphogenesis only
(c) Protein synthesis is stopped when not required only
(d) All the above

Answer: (d)

16. Which of the following statement is false?

(a) Mitosis helps in body repair.
(b) Cell division increase body size.
(c) Meiosis occurs in reproductive cells.
(d) The daughter cells from the same mother cell are not identical.

Answer: (d)

17. Which of the following scientists gave the princi[illegible] of inheritance?

(a) Griffin
(b) Johanssen
(c) Mendel
(d) Watson and Crick

Answer: (c)

21. Why mitochondria and plastids are called semi-autonomous organelles?

(a) These can synthesize some of their proteins
(b) They have DNA, RNA, ribosomes and enzymes
(c) It contains DNA and proteins
(d) It contains oxysomes

Answer: (b)

22. _____attach muscles to bones.

(a) Cartilage
(b) Tendon
(c) Muscle
(d) Ligament

Answer: (b)

23. Silk fibers are taken out from the_____.
    (a) cotton ball
    (b) bark of the plant
    (c) fleece of sheep
    (d) cocoon
    Answer: (d)

24. The nearest star to our solar system is:
    (a) White dwarf
    (b) Alpha Centauri
    (c) Black hole
    (d) Brown dwarf
    Answer: (b)

25. The device used for measuring potential difference is known as:
    (a) Potentiometer
    (b) Galvanometer
    (c) Voltmeter
    (d) Ammeter
    Answer: (c)

26. Which one of the following blood vessels contains only deoxygenated blood?
    (a) Aorta
    (b) Pulmonary vein
    (c) Pulmonary artery
    (d) Coronary artery
    Answer: (c)

27. When the moon is not seen at all in the night sky, it is called_____.
    (a) Full moon
    (b) Gibbous moon
    (c) New moon
    (d) Crescent moon
    Answer: (c)

29. Name two of the crops mentioned below are kharif crops:

Paddy, wheat, mustard, ground nut, pea, gram
    (a) Paddy and mustard
    (b) Paddy and gram
    (c) Paddy and ground nut
    (d) Paddy and pea
    Answer: (c)

30. What is the duration of kharif crops?

(a) October to March

(b) June to October

(c) November to April

(d) March to September

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)**	3	**(b)**	4	**(a)**	5	**(c)**	6	**(b)**
7	**(b)**	8	**(c)**	9	**(a)**	10	**(a)**	11	**(a)**	12	**(c)**
13	**(c)**	14	**(a)**	15	**(d)**	16	**(b)**	17	**(d)**	18	**(a)**
19	**(d)**	20	**(a)**	25	**(a)**	26	**(c)**	27	**(b)**	28	**(c)**
29	**(c)**	30	**(c)**	32	**(d)**	33	**(a)**	34	**(c)**	35	**(b)**
36	**(c)**	37	**(a)**	38	**(c)**	40	**(b)**				

Mental Ability and Mental Aptitude

5	**(c)**	6	**(a)**	7	**(c)**	8	**(c)**	9	**(d)**	10	**(a)**
11	**(d)**	12	**(a)**	13	**(b)**	14	**(a)**	16	**(c)**	17	**(d)**
18	**(c)**	19	**(c)**	20	**(b)**	22	**(d)**	23	**(d)**	24	**(c)**
25	**(c)**	26	**(d)**	27	**(b)**	29	**(c)**				

Science and Simple Arithmetic

6	**(c)**	8	**(d)**	10	**(c)**	11	**(b)**	12	**(b)**	13	**(d)**
15	**(d)**	16	**(d)**	17	**(c)**	21	**(b)**	22	**(b)**	23	**(d)**
24	**(b)**	25	**(c)**	26	**(c)**	27	**(c)**	29	**(c)**	30	**(b)**