PREVIOUS YEAR PAPER

MP Police Constable 2017 — 20 August 2017, Shift 2

MP Police Constable · 20 August 2017 · 03:00 PM

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

Left out of the original paper: 25 (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 20 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-2017-20-aug-shift-2/

General Knowledge and Logical Knowledge

1. Sanchi Stupa was built by
   (a) Bimbisara
   (b) Raja Bhoj
   (c) Ashoka
   (d) Kanishka
   Answer: (c)

2. How many different 6-digit numbers can be formed from the digits 4, 5, 2, 1, 8, 9 ?
   (a) 480
   (b) 360
   (c) 720
   (d) 840
   Answer: (c)

3. How many associate banks merged with State Bank of India (SBI) in 2017
   (a) 4
   (b) 6
   (c) 5
   (d) 70
   Answer: (c)

4. Which State will become the first to launch a blood bank for cattle?
   (a) Gujarat
   (b) Tamil Nadu
   (c) Odisha
   (d) Haryana
   Answer: (c)

5. Which of the following scientists was associated with the first nuclear explosion in Pokharan?
   (a) Satish Dhawan
   (b) Raja Ramanna
   (c) Vikram Sarabhai
   (d) S S Bhatnagar
   Answer: (b)

6. Which is India's highest award in cinema?
   (a) Dadasaheb Phalke Award
   (b) Academy Awards
   (c) Filmfare
   (d) IIFA
   Answer: (a)

7. The Tansen Music Festival is held in __.
   (a) Indore
   (b) Gwalior
   (c) Ranchi
   (d) Bhopal
   Answer: (b)

8. Kudankulam Nuclear Power Plant is located in____
   (a) Gujarat
   (b) Uttarakhand
   (c) Tamil Nadu
   (d) Madhya Pradesh
   Answer: (c)

9. Parmeet and Charu start moving towards each other from 2 places 200 m apart. After walking 60 m, Charu turns left and goes 20 m, then turns right and goes another 40 m. She then turns right again and comes back on the path on which she started walking. If Parmeet and Charu walk with the same speed, What is the distance between them now?
   (a) 40 m
   (b) 20 m
   (c) 50 m
   (d) 10 m
   Answer: (a)

10. The Bhakra Nangal Dam is built across the River
   (a) Jhelum
   (b) Chenab
   (c) Ravi
   (d) Sutlej
   Answer: (d)

11. Average literacy rate of Madhya Pradesh according to 2011 census was
    (a) 24.33%
    (b) 58.19%
    (c) 69.32%
    (d) 75.2%
    Answer: (c)

12. Viswanathan Anand is a famous player of____
    (a) Golf
    (b) Hockey
    (c) Badminton
    (d) Chess
    Answer: (d)

13. Most important towns in the Malwa region are
    (a) Panna and Ujjain
    (b) Ujjain and Indore
    (c) Umaria and Rewa
    (d) Rewa and Bhind
    Answer: (b)

14. The term of office of the Governor is
    (a) 6 years
    (b) 5 years
    (c) 3 years
    (d) 4 years
    Answer: (b)

15. The term 'Deuce' is associated with
    (a) Cricket
    (b) Hockey
    (c) Football
    (d) Tennis
    Answer: (d)

16. 'Home Rule League' was established by
    (a) Bal Gangadhar Tilak
    (b) P.S. Mehta
    (c) S.N. Bannerjee
    (d) Annie Besant
    Answer: (d)

17. Who was the first non-American TIME person of the year?

(a) Indra Nooyi
(b) Mahatma Gandhi
(c) J R D Tata
(d) Narendra Modi

Answer: (b)

18. Who won the Women's Singles China Open Badminton Tournament in 2016?

(a) P V Sindhu
(b) Jwala Gutta
(c) Ashwini Ponnappa
(d) Saina Nehwal

Answer: (a)

20. The famous Sarod Player born in Gwalior was

(a) Amjad Ali Khan
(b) Pandit Ravi Shankar
(c) Pandit Jasraj
(d) Ravi Shankar Shukla

Answer: (a)

21. _____ was conferred with the International Mariti Organization Award for Exceptional Bravery at Sea in 2016?

(a) Captain Urvashi Rana
(b) Captain Radhika Menon
(c) Lieutenant Ganeve Lalji
(d) Lieutenant Commander Priya Jeyakumar

Answer: (b)

22. Find the odd one out:

1, 1, 2, 6, 24, 98, 720, 5040

(a) 98
(b) 6
(c) 24
(d) 720

Answer: (a)

23. The original jurisdiction of the Supreme Court covers

(a) Terrorism-related cases
(b) Disputes between different units of the Indian Union
(c) Criminal cases
(d) Issues regarding National Integrity

Answer: (b)

24. The Indians who were conferred with the Ramon Magsayay Award 2016 was T M Krishna and ___

(a) Kiran Bedi
(b) Bezwada Wilson
(c) Harsh Hande
(d) Arvind Kejriwal

Answer: (b)

25. Complete the series choosing the missing number:

1, 6, 11, _____, 21

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

Answer: (a)

26. Complete the series choosing the missing number:

80, 73, 66, _____, 52

(a) 58
(b) 59
(c) 55
(d) 60

Answer: (b)

27. Complete the series choosing the missing number:

27, 23, 19, 15, _____

(a) 12
(b) 10
(c) 11
(d) 14

Answer: (c)

30. If FLOWER is coded EMNXDS, then how is GAMBLE coded?

(a) HCODNG
(b) BFCKLF
(c) DMXNES
(d) FBLCKF

Answer: (d)

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

__aaba__bba__bba__abaa__b

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

Answer: (a)

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

Statements:

All shirts are trousers

No trouser is a towel

Conclusions:

I. Some shirts are towels

II. No shirt is towel

(a) both conclusion I and II follows
(b) either conclusion I or conclusion II follows
(c) only conclusion II follows
(d) only conclusion I follows

Answer: (b)

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

Statements:

Some mails are letters

All letters are posts

Conclusions:

I. Some posts are letters

II. Some letters are not mails

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

Answer: (c)

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

Statements:

All fruits are vegetables

All vegetables are fresh

Conclusions:

I. All fruits are fresh

II. Some fruits are fresh

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

Answer: (c)

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

Statements:

All planes are trains

All trains are buses

Conclusions:

I. Some planes are buses

II. All buses are planes

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

Answer: (d)

36. In a certain code language, Eat fresh apple means keat teek kata, Eat the food means meek peek teek, Fresh lime juice means kata seda tob. Which is the word for keat in that code language?

(a) juice
(b) apple
(c) lime
(d) food

Answer: (b)

37. 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) TVX
(b) MOQ
(c) GEC
(d) PRT

Answer: (c)

38. If MADRAS is coded NBESBT, then how is MUMBAI coded?

(a) NVNDBJ
(b) NVKCBJ
(c) NVNCBJ
(d) NVNCZJ

Answer: (c)

40. If CINEMA is coded GERAQW, then how is THEATRE coded?

(a) XDJWXMI
(b) XDIWYMI
(c) XDIVXNJ
(d) XDIWXNI

Answer: (d)

Mental Ability and Mental Aptitude

5. Three boys Hari, Biju and Naga together [illegible] R[illegible]75. Hari has got three times as much as Biju but Rs. 25 more than Naga. How much does [illegible]ave?

(a) Rs. 275
(b) Rs. 175
(c) Rs. 375
(d) Rs. 325

Answer: (a)

6. Mahesh has Rs. 50,000 which he converts to Dollars at 1 Dollar = 45 Rupees before going on a weekend trip to foreign. After returning he finds that he still has 200 Dollars remaining with him. How much amount in Rupees did he spend during his trip?

(a) 41,000 Rupees
(b) 40,000 Rupees
(c) 35,000 Rupees
(d) 45,500 Rupees

Answer: (a)

7. If 90 % of a - b is equal to 60 % of a + b, what percentage of a is b?

(a) 40
(b) 10
(c) 20
(d) 30

Answer: (c)

8. Which of the following pair has the same ratio as 70 : 105?

(a) 496 : 620
(b) 366 : 244
(c) 185 : 370
(d) 468 : 702

Answer: (d)

9. The product of 103, 102, and 98 is:

(a) None of the above
(b) 10,28,588
(c) 10,29,568
(d) 10,29,588

Answer: (d)

10. What will be the last digit, when you expand 7233

(a) 6
(b) 7
(c) 9
(d) 3

Answer: (b)

12. The ratio between the present ages of Yolo and Zolo is 6 : 7. If Zolo is 4 years old than Yolo, what will be the ratio of the ages of Yolo and Zolo after 4 years?

(a) None of these
(b) 8 : 5
(c) 7 : 5
(d) 7 : 8

Answer: (d)

13. Average income of 100 employees 92, out of which average income of 40 employees is 80. What is the average of the remaining 60 employees?

(a) 100
(b) 105
(c) 95
(d) 92

Answer: (a)

14. If the average score of 30 boys in a class is 80; and the average score of 20 girls in the same class is 90; what is the average score of the entire class?

(a) 84
(b) 82
(c) 80
(d) 90

Answer: (a)

17. A father is four times as old as his son. Four years hence, the sum of their ages will be 43 years. The ages of the son and the father are _____, respectively

(a) None of the above
(b) 3 and 26 years
(c) 5 and 27 years
(d) 7 and 28 years

Answer: (d)

18. 14 workers can make 10 tables in 5 days. 10 workers started working, and 1 worker joined on the 5th day. How many days will take to make 12 tables?

(a) 4
(b) 7
(c) 9
(d) 8

Answer: (d)

19. A fresh fruit contains 62 % of water, and dry fruit contains 24 % of water. How much dry fruit can be obtained from a 100 kg of fresh fruit?

(a) 48 kg
(b) 50 kg
(c) 40 kg
(d) 45 kg

Answer: (b)

20. The ages of a group of four people are four consecutive even numbers. If the sum of the age of the group is 156 then, find the age of the oldest member of the group.

(a) 42
(b) 40
(c) 36
(d) 38

Answer: (a)

21. The average of a set of 20 values is 15.8. The mean increases by 0.4. When a mean value is added to the set. Then the new value is:

(a) 24.2
(b) 20.4
(c) 15.8
(d) 22.4

Answer: (a)

22. The ages of Imran and Akbar are in the ratio of 3 : 4. If after 16 years their ages will be in the ratio 5 : 6, then what is the present age of Imran?

(a) 24
(b) 29
(c) 27
(d) 25

Answer: (a)

23. The average weight of A, B, C is 55 kg. The average weight of A & B be 50 kg & that of B & C is 60 kg. Find the weight of B.

(a) 57 kg
(b) 60 kg
(c) 50 kg
(d) 55 kg

Answer: (d)

25. In the same time-span, Mark Spitz can swim twice the distance downstream than upstream. The speed of the current is 2 kmph. How long would it take to swim 3 km in still water?

(a) Cannot be determined
(b) 48 min
(c) 30 min
(d) 24 min

Answer: (c)

26. A train shuttles between stations A and B, and stops at 5 intermediate stations for 5 mins each. Assume that the stations are at equal intervals of 10 km, and the train is moving at a speed of 50 kmph, how long will it take to reach B?

(a) 97 min
(b) 85 min
(c) 60 min
(d) 72 min

Answer: (a)

28. Find the average.

81, 72, 63, 55, 43 & 34

(a) 58
(b) 52
(c) 61
(d) 56

Answer: (a)

29. A thief is noticed by a policeman from a distance of 200 m. The thief starts running and the policeman chases him. The thief and policeman run at the rate of 10 kmph and 11 kmph respectively. At what distance will the policeman catches the thief?

(a) 2.4 km
(b) 2.2 km
(c) 2 km
(d) 2.6 km

Answer: (b)

Science and Simple Arithmetic

4. Vacuoles are cavities filled with a fluid called_____.

(a) starch
(b) proteins
(c) fat globules
(d) cell sap

Answer: (d)

5. Find the mean of first 5 two-digit multiples of 4.

(a) 24
(b) 16
(c) 20
(d) 22

Answer: (c)

7. Plaster of Paris is stored in a:

(a) Metal containers
(b) Moisture-proof container
(c) Insulated containers
(d) Glass containers

Answer: (b)

8. A pendulum oscillates 60 times in 8 seconds. Its time period is:

(a) 1.35 s
(b) 0.23 s
(c) 2.14 s
(d) 0.13 s

Answer: (d)

9. Calculate the amount if the principal = Rs. 6000, time period = 2 years and rate of interest = 5% per annum compounded annually.

(a) Rs. 6615
(b) Rs. 6420
(c) Rs. 6390
(d) Rs. 6525

Answer: (a)

10. Refraction of light is responsible for:

(a) Shadow formation
(b) Twinkling of stars
(c) Blue color of the sky
(d) Rainbow

Answer: (b)

11. 7225 Students are sitting in an auditorium in such a way that there are as many students in a row as there are rows in the auditorium. How many students are there in the auditorium?

(a) 75
(b) 85
(c) 95
(d) 65

Answer: (b)

13. In India, oil wells are found in:

(a) Goa
(b) Karnataka
(c) Orissa
(d) Assam

Answer: (d)

14. Spot the producer from the following.

(a) Grass
(b) Bacteria
(c) Grass hopper
(d) Mushroom

Answer: (a)

15. Name one fungus which affects stored food grains.

(a) Neurospora
(b) Bracket fungus
(c) Aspergillums
(d) Agaricus

Answer: (c)

18. The areas of a square and a rectangle are equal. If the side of the square is 24 cm and the breadth of the rectangle is 16cm, then the length of the rectangle is:

(a) 32 cm
(b) 26 cm
(c) 36 cm
(d) 28 cm

Answer: (c)

19. PAQ is a line parallel to side BC of a triangle ABC. If ∠PAB = 55° and ∠ACB = 60°, then ∠CAB = _____.

(a) 70°
(b) 40°
(c) 45°
(d) 65°

Answer: (d)

21. ABCD is a trapezium in which AB || DC and DC i erpendicular to BC. If ∠DAB = 110°, then ∠ABC - ∠ADC =_____.

(a) 18°
(b) 16°
(c) 20°
(d) 220

Answer: (c)

22. Say 'No' to plastic bags and 'Yes' to cloth bags because:

(a) Plastics are made from wood pulp
(b) Plastic bags are biodegradable
(c) Plastics are non-biodegradable
(d) Plastics are chemically reactive

Answer: (c)

23. Plasmolysis in a plant cell is defined as the_____.

(a) break down of plasma membrane in hypotonic medium
(b) shrinkage of nucleoplasm
(c) shrinkage of cytoplasm in hypertonic medium
(d) none of the above

Answer: (c)

24. Electric fuse is connected_____.

(a) across the energy meter

(b) on the live wire

(c) on the neutral wire

(d) on the earth wire

Answer: (b)

27. The Met Department predicted heavy thunderstorm and lightning on a particular day, and Radha wanted to go out with an umbrella but she was advised not to carry it because:

(a) Electric discharge from clouds can travel to the metal parts of the umbrella

(b) It becomes slippery to hold

(c) It may get rusted

(d) The umbrella may get blown away

Answer: (a)

29. PQRS is a parallelogram. Side PQ is produced to T. IF ∠QRS = 125°, then ∠RQT =_____.

(a) 125°

(b) 55°

(c) 70°

(d) 130°

Answer: (a)

30. The cost price of a computer is Rs. 20,650. An additional Rs. 450 was spent on installing some software. If it was sold at 15% profit, then the selling price of the computer is

(a) Rs. 22500

(b) Rs. 25125

(c) Rs. 23450

(d) Rs. 24265

Answer: (d)

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	**(c)**	4	**(c)**	5	**(b)**	6	**(a)**	7	**(b)**	8	**(c)**
9	**(a)**	10	**(d)**	11	**(c)**	12	**(d)**	13	**(b)**	14	**(b)**	15	**(d)**	16	**(d)**
17	**(b)**	18	**(a)**	20	**(a)**	21	**(b)**	22	**(a)**	23	**(b)**	24	**(b)**	25	**(a)**
26	**(b)**	27	**(c)**	30	**(d)**	31	**(a)**	32	**(b)**	33	**(c)**	34	**(c)**	35	**(d)**
36	**(b)**	37	**(c)**	38	**(c)**	40	**(d)**								

Mental Ability and Mental Aptitude

5	**(a)**	6	**(a)**	7	**(c)**	8	**(d)**	9	**(d)**	10	**(b)**	12	**(d)**	13	**(a)**
14	**(a)**	17	**(d)**	18	**(d)**	19	**(b)**	20	**(a)**	21	**(a)**	22	**(a)**	23	**(d)**
25	**(c)**	26	**(a)**	28	**(a)**	29	**(b)**								

Science and Simple Arithmetic

4	**(d)**	5	**(c)**	7	**(b)**	8	**(d)**	9	**(a)**	10	**(b)**	11	**(b)**	13	**(d)**
14	**(a)**	15	**(c)**	18	**(c)**	19	**(d)**	21	**(c)**	22	**(c)**	23	**(c)**	24	**(b)**
27	**(a)**	29	**(a)**	30	**(d)**										