PREVIOUS YEAR PAPER

MP Police Constable 2016 — 7 August 2016, Shift 2

MP Police Constable · 7 August 2016 · 12:00 PM

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

Left out of the original paper: 43 (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 7 August 2016, 12:00 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-2016-7-aug-shift-2/

General and Logical Knowledge

3. Five people A,B,C,D and E are sitting in a circular path facing the centre. B is next after one to A in the left. D is after two to C in the right. Then who is fourth to C in the right?

(a) D
(b) B
(c) E
(d) A

Answer: (a)

4. If A+B means A is the brother of B, P/Q means P is the sister of Q and X*Y means X is the son of Y. What does P

(a) S is the uncle of P
(b) S is the mother of P
(c) S is the sister of P
(d) S is the niece of P

Answer: (b)

5. Sushrutha was also called, ____.

(a) Father of medicine
(b) First Plastic Surgeon
(c) Jnana Degula
(d) Father of Surgery

Answer: (d)

6. Indian badminton player and the winner of the gold medal in the Asian sub junior championship who was born in Dhar

(a) Roop Singh
(b) Asim Sher Khan
(c) Aditya Joshmi
(d) Ahmed Khan

Answer: (c)

7. If mobile phone is turned on, then if someone cries then the rotator rotates. No one is crying because phone is turned

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

Answer: (d)

8. If A+B means A is the brother of B, A-B means A is the son of B and A∗B means A is the sister of B. What does P∗R-B means?

(a) P is the uncle of B
(b) P is the daughter of B
(c) P is the niece of B
(d) P is the nephew of B

Answer: (b)

9. Who is the only Prime Minister to be sworn in thrice after Indira Gandhi?

(a) PV Narasimha Rao
(b) Rajiv Gandhi
(c) Dr. Manmohan Singh
(d) Atal Bihari Vajpayee

Answer: (d)

10. The Prarthana Samaj was founded by

(a) M G Ranade
(b) Dayananda Saraswati
(c) Raja Ram Mohan Roy
(d) Jyotiba Phule

Answer: (a)

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

Statements:

Some sweets are not stones.

Some books are not sweets.

Conclusions:

I. Some books are stones.

II. Some sweets are books.

(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)

12. Shankar said to Sanjay, "That boy playing football is the younger of the two brothers of the daughter of my father's wife". How is the boy playing football related to Shankar?

(a) Son
(b) Brother
(c) Cousin
(d) Nephew

Answer: (b)

15. Girdhari Lal Yadav was conferred the Arjuna Award in 2009 for which of the following sports?

(a) Yachting
(b) Wushu
(c) Wrestling
(d) Fencing

Answer: (a)

17. The world famous sun temple was built by _____.

(a) Narasimha Deva
(b) Anangabhima Deva
(c) Jajati
(d) Chodaganga Deva

Answer: (a)

21. What is common between Damodar river in Chotanagpur and Narmada in Vindhya and Satpura?

(a) Both have huge catchments

(b) Both have common source

(c) Both are used only for hydel projects

(d) Both are flowing through rift valleys

Answer: (d)

22. Ranathambore tiger reserve is in which State?

(a) Punjab

(b) Gujarat

(c) Rajasthan

(d) Jammu and Kashmir

Answer: (c)

23. Six students A, B, C, D, E and F are standing in a row. B is between F and D. E is between A and C. A does not stand next to either F or D. C does not stand next to D. F is between which of the following pair of students.

(a) B and D

(b) B and A

(c) B and E

(d) B and C

Answer: (d)

24. In a special lecture series assignment, three tea[illegible] of professors are to be made. Each team will consist of two of the professors - G, H, I, K [illegible]M. E[illegible]h professor will be on exactly one team. Each team is assigned to exactly one of the three s[illegible] halls in the university: Hall 1, Hall 2, and Hall 3. Professors I, L, M have specialization in Economics while G, H, and K do not have it. G,H and I each have been with the university for at least three years while K, L, M have not been so. While assigning duties the following conditions are to be observed.

Each team must include at least one specialist in Economics.

Each team must include at least one professor who has been with the university for at least three years.

Professor G must take his lecture either in Seminar hall 1 or Seminar hall 2. If L is to take a lecture in Seminar hall 3, which of the following must be true?

(a) G is M's partner.

(b) M takes a lecture in Hall 1.

(c) G is L's partner.

(d) H takes a lecture in Hall 1.

Answer: (a)

25. Gandhi Peace Prize was awarded in 2014 to:

(a) Bharatiya Vidya Bhavan

(b) Chandi Prasad Bhatt

(c) National Disaster Response Force

(d) Indian Space Research Organization

Answer: (d)

26. India has entered into Mahakali treaty with _____ for implementation of Pancheshwar Multipurpose Project.

(a) Sri Lanka

(b) Bhutan

(c) Nepal

(d) Pakistan

Answer: (c)

27. 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.

If the track between M and O is broken, which other track is affected?

(a) R to M

(b) P to M

(c) N to S

(d) N to M

Answer: (c)

28. Which of the following districts does NOT belong to Gwalior division?

(a) Bhind

(b) Ashok Nagar

(c) Guna

(d) Shivpuri

Answer: (a)

30. The river that separates the western and eastern part of the Gandhisagar sanctuary is_____.

(a) Chambal

(b) Ken

(c) Son

(d) Yamuna

Answer: (a)

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

Statements:

Some lamps are villages.

No villages are dogs.

Conclusions:

I. All villages are lamps.

II. Not all villages are lamps.

(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)

32. Non Resident Indian (NRI) day is celebrated in India on __ .

(a) 9th February
(b) 10th February
(c) 10th January
(d) 9th January

Answer: (d)

33. Film and television Institute of India is in ___

(a) Thane
(b) Nagpur
(c) Pune
(d) Nashik

Answer: (c)

34. How many union territories are there in India?

(a) 5
(b) 6
(c) 7
(d) 29

Answer: (c)

35. _____ is the largest state in India by area.

(a) Uttar Pradesh
(b) Rajasthan
(c) Maharashtra
(d) Tamil Nadu

Answer: (b)

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

Statements:

No chairs are buckets.

Some stories are not buckets.

Conclusions:

I. Some stories are chairs.

II. All chairs are stories.

(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)

39. Which Article deals with Emergency and President's Rule in States?

(a) Article 356
(b) Article 368
(c) Article 372
(d) Article 370

Answer: (a)

40. Who was the first Chief Justice of the High Court of Madhya Pradesh?

(a) Justice G.P. Bhut
(b) Justice P.V. Dixit
(c) Justice M.Hidayatullah
(d) Justice A.M. Khanwilkar

Answer: (c)

Mental Ability and Mental Aptitude

4. 70% of the students of a college are from a school under the same management. 60% of them are boys. What percentage of the total are girls from the school under the same management?

(a) 42
(b) 18
(c) 28
(d) 72

Answer: (c)

5. By selling article for Rs. 480, a man gains 20% on the cost price. At what price should he sell it to gain 30%?

(a) Rs. 420
(b) Rs. 520
(c) Rs. 320
(d) Rs. 120

Answer: (b)

6. Complete the series choosing the missing number:

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

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

Answer: (b)

7. If nC12 = nC8 then n =?

(a) 20
(b) 12
(c) 6
(d) 30

Answer: (a)

8. What will be the next term in the series?

A, CD, GHI, MNOP, __

(a) VWXYZ
(b) UVWXY
(c) TUVWX
(d) STUVW

Answer: (b)

9. CANCELLED

If A:B = 11:7 and B:C=2:3 then find A:C ?

(a) 22:51
(b) 50:23
(c) 47:53
(d) 11:12

Answer: (a)

11. The probability of losing a game is 2

(a) 1/3
(b) 1/2
(c) 2/5
(d) 1/4

Answer: (a)

13. The below series uses a sequence of alphabets and numbers. Identify the incorrect combination.

(i) TT4#6ST7

(ii) TT4#6ST7

(iii) TT4#7ST7

(iv)TT4#6ST7

(a) i
(b) ii
(c) iii
(d) iv

Answer: (c)

14. A merchant loses 10% by selling an article. If cost ce of article is Rs. 15. Find its selling price?

(a) Rs. 13.50
(b) Rs. 12.50
(c) Rs. 11.50
(d) Rs. 10.50

Answer: (a)

16. How long does a train 120 meters long running at the speed of 66 km/hr take to cross a bridge 155 meters in length?

(a) 12 sec
(b) 14 sec
(c) 15 sec
(d) 18 sec

Answer: (c)

20. Complete the series choosing the missing number:

2, 6, 18, 54, ____

(a) 98
(b) 132
(c) 140
(d) 162

Answer: (d)

21. The product of 103,102 and 98 is

(a) 10,29,588

(b) 100000

(c) 1

(d) None of these

Answer: (a)

24. The word SYSTEM is coded as SYSMET and NEARER as AENRER. Using the same code, write FRIEND.

(a) FRIDNE

(b) IRDEND

(c) IRFDNE

(d) IFREDN

Answer: (c)

25. What is the average of squares of first five prime numbers?

(a) 41.2

(b) 41.4

(c) 41.6

(d) 41.8

Answer: (c)

26. A number was first increased by 10 percent and then it is further increased by 20%. The increase altogether as compared to the original number is

(a) 15%

(b) 30%

(c) 32%

(d) 36%

Answer: (c)

28. In a school the total strength is 150. If the number of boys is x, then the number of girls becomes x% of the total strength. The number of boys is

(a) 40

(b) 50

(c) 60

(d) 90

Answer: (c)

29. If IJKLMNO is coded as ACTVSRX, what will be the code for KILL?

(a) TVSS

(b) TAXX

(c) TAVV

(d) TSVV

Answer: (c)

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

(a) 21
(b) 11
(c) 32
(d) 51

Answer: (c)

Science and Simple Arithmetic

4. Musical Instrument Flute produces sound using

(a) Membrane
(b) String
(c) Air column
(d) Hollow pipe

Answer: (c)

7. If the volume of a sphere is divided by its surface area, the result is 27 cm, then the radius of the sphere is _____

(a) 81 cm
(b) 9 cm
(c) 54 cm
(d) 36 cm

Answer: (a)

9. The _____ statement among the fol ing i ways true.

(a) The difference of the squares of two co utive natural numbers is equal to their product
(b) All numbers that end with '00' will be perfect squares
(c) A number that leaves a remainder of 2 when divided by 4 is a perfect square
(d) No square number can be the double of another square number

Answer: (d)

12. The fires in electrical appliances is caused due to

(a) Short circuits
(b) Over loads
(c) Both A & B
(d) Only A

Answer: (c)

15. A number when divided by 342 gives a remainder 47. When the same number is divided by 19, what would be the remainder?

(a) 47
(b) 19
(c) 9
(d) 7

Answer: (c)

16. During old age, eye sight becomes foggy because the eye lens becomes

(a) Wide
(b) Narrow
(c) Cloudy
(d) Elongated

Answer: (c)

17. The length of a rectangle is increased by 50%. By what percent would the width have to be decreased to maintain the same area?

(a) 30%
(b) 60%
(c) 200/3%
(d) 100/3%

Answer: (d)

19. A sum was put at a certain rate of interest for 3 years. Had it been put at 2% higher rate, it would have fetched Rs. 72 more. The sum is:

(a) Rs. 1,250
(b) Rs. 1,400
(c) Rs. 1,500
(d) Rs. 1,200

Answer: (d)

25. Which is the rabi crop that is also a pulse?

(a) Mustard
(b) wheat
(c) Gram
(d) Maize

Answer: (c)

27. Which of the following is not a prime number?

(a) 191
(b) 241
(c) 337
(d) 356

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 and Logical Knowledge

3	**(a)**	4	**(b)**	5	**(d)**	6	**(c)**	7	**(d)**	8	**(b)**
9	**(d)**	10	**(a)**	11	**(d)**	12	**(b)**	15	**(a)**	17	**(a)**
21	**(d)**	22	**(c)**	23	**(d)**	24	**(a)**	25	**(d)**	26	**(c)**
27	**(c)**	28	**(a)**	30	**(a)**	31	**(d)**	32	**(d)**	33	**(c)**
34	**(c)**	35	**(b)**	37	**(d)**	39	**(a)**	40	**(c)**		

Mental Ability and Mental Aptitude

4	**(c)**	5	**(b)**	6	**(b)**	7	**(a)**	8	**(b)**	9	**(a)**
11	**(a)**	13	**(c)**	14	**(a)**	16	**(c)**	20	**(d)**	21	**(a)**
24	**(c)**	25	**(c)**	26	**(c)**	28	**(c)**	29	**(c)**	30	**(c)**

Science and Simple Arithmetic

4	**(c)**	7	**(a)**	9	**(d)**	12	**(c)**	15	**(c)**	16	**(c)**
17	**(d)**	19	**(d)**	25	**(c)**	27	**(d)**				