PREVIOUS YEAR PAPER

MP Police Constable 2017 — 9 September 2017, Shift 1

MP Police Constable · 9 September 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 9 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-2017-9-sep-shift-1/

General Knowledge and Logical Knowledge

1. If ROHIT is coded SPIJU, then how is MOHIT coded?
   (a) LPIJU
   (b) ZATTU
   (c) NPIJU
   (d) LNGHS
   Answer: (c)

2. Who founded the Servants of India Society?
   (a) Bal Gangadhar Tilak
   (b) Chittaranjan Das
   (c) Lala Har Dayal
   (d) Gopal Krishna Gokhale
   Answer: (d)

3. Find the odd one out:

15, 26, 37, 49, 59, 70
   (a) 49
   (b) 59
   (c) 26
   (d) 70
   Answer: (a)

4. If RADIO is coded TDIPZ, then how is TELEVISION coded?
   (a) VHLGQVNJLQ
   (b) VHQLGVJQLB
   (c) VHQLGVJBLQ
   (d) VHGLQVJBLQ
   Answer: (c)

6. In which Present-day state of India did the Railways run its first train?
   (a) Gujarat
   (b) Uttar Pradesh
   (c) Maharashtra
   (d) Madhya Pradesh
   Answer: (c)

7. Who Coined the Slogan'Give me blood I will give you the freedom'?
   (a) Bhagat Singh
   (b) Bal Gangadhar Tilak
   (c) Chandrashekar Azad
   (d) Subhas Chandra Bose
   Answer: (d)

8. Saraswati Samman is given annually for outstanding contribution in which field?
   (a) Fine arts
   (b) Education
   (c) Literature
   (d) Classical Music
   Answer: (c)

9. Bargi project is on River_____.
   (a) Son
   (b) Narmada
   (c) Mahanadi
   (d) Chambal
   Answer: (b)

11. Which Indian State is associated with the Baul Singers?
   (a) Goa
   (b) Kashmir
   (c) West Bengal
   (d) Meghalaya
   Answer: (c)

12. Which of the following body estimates the National Income in India?
   (a) Central Statistical Organisation
   (b) Finance Commission
   (c) Reserve Bank of India
   (d) NITI Aayog
   Answer: (a)

13. Which Strait separates India from Sri Lanka
    (a) Mandeb
    (b) Magellan
    (c) Palk
    (d) Malacca
    Answer: (c)

14. When is Kargil Vijay Diwas day observed?
    (a) June 20
    (b) June 25
    (c) September 21
    (d) July 26
    Answer: (d)

15. Where is the famous Shore Temple located?
    (a) Chennai
    (b) Puri
    (c) Visakhapatnam
    (d) Mahabalipuram
    Answer: (d)

16. Quit India Movement was launched in _____.
    (a) 1942
    (b) 1919
    (c) 1945
    (d) 1930
    Answer: (a)

17. Who among these composed the national anthem of two countries?
    (a) Bankim Chandra Chatterjee
    (b) Jawahar Lal Nehru
    (c) Rabindranath Tagore
    (d) Mohammed Islam
    Answer: (c)

18. Who won the Filmfare Best Actor award in 2016?
    (a) Amitabh Bachchan
    (b) Akshay Kumar
    (c) Salman Khan
    (d) Aamir Khan
    Answer: (d)

19. The first post office in India was established by British East India Company in _____.
    (a) Calcutta
    (b) Hyderabad
    (c) Madras
    (d) Bombay
    Answer: (a)

20. The first Indian to go into space is
    (a) Sunita Williams
    (b) R.D Sharma
    (c) Rakesh Sharama
    (d) Kalpana Chawla
    Answer: (c)

21. The chief deity in Chaturbhuj temple is:
    (a) Lord Chaturvedi
    (b) Lord Rama
    (c) Lord Vishnu
    (d) Lord Shiva
    Answer: (c)

22. In Madhya Pradesh, Manganese occurs in the dis[illegible]s of:
    (a) Morena and Rewa
    (b) Ujjain and Kalumar
    (c) Bhalghat and Chhindwara
    (d) Durg and Baster
    Answer: (c)

23. Complete the series choosing the missing number:

2, 5, 10, 17, _____
    (a) 28
    (b) 26
    (c) 20
    (d) 23
    Answer: (b)

24. Complete the series choosing the missing number:

720, 360, ____, 30, 6, 1
    (a) 70
    (b) 80
    (c) 120
    (d) 60
    Answer: (c)

25. Complete the series choosing the missing number:

7, 11, 16, 22, 29, 37, _____

(a) 46
(b) 52
(c) 39
(d) 48

Answer: (a)

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

Statements:

Some powders are scents

Some scents are creams

Conclusions:

I. Some powders are not creams

II. Some scents are not creams

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

Answer: (c)

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

Statements:

All guitars are violins

All violins are lutes

Conclusions:

I. All guitars are lutes

II. All violins are guitars

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

Answer: (d)

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

Statements:

Some balls are balloons

No balloon is round

Conclusions:

I. Some balls are round

II. No ball is round

(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: (b)

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

Statements:

Some watches are bands

All bands are bracelets

Conclusions:

I. All bracelets are bands

II. Some bracelets are watches

(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)

30. Line printer prints 176400 lines in a single shift within eight hours. If the printer was in operation for seven hours during this shift, what must be the minimum speed of the printer if it has to complete the required task?

(a) 250 lines/minute
(b) 300 lines/minute
(c) 380 lines/minute
(d) 420 lines/minute

Answer: (d)

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

__pqq __ __ qq __ p __ qqpq __ qp

(a) p, p, p, p, q, q

(b) p, q, p, q, p, p

(c) q, q, p, q, q, q

(d) q, p, q, p, q, p

Answer: (c)

35. Find the next expression in the series:

A, YZ, ABC, WXYZ, _____?

(a) ABCDE

(b) VWXYZ

(c) ABCD

(d) ABCE

Answer: (a)

36. In a certain code language, My favourite hero is written as deto vya nerolo and Hero is great is written as meb deto nya.

In the above code language, the word for hero is:

(a) deto

(b) nya

(c) meb

(d) vya

Answer: (a)

37. In a certain language dona hona khona means send by post and demk dona delf' means beyond red post . Then in that language the word dona is used for:

(a) red

(b) beyond

(c) send

(d) post

Answer: (d)

38. The Government of India Act, 1935 is concerned with:

(a) Industries in the provinces

(b) None of the above

(c) Adult franchise

(d) Provincial autonomy

Answer: (d)

39. 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) Z
(b) H
(c) Q
(d) T

Answer: (c)

40. Which of the following Indian languages is NOT labelled as classical language?

(a) Hindi
(b) Telugu
(c) Tamil
(d) Sanskrit

Answer: (a)

Mental Ability and Mental Aptitude

4. The product of ages of A and B is 21. If the difference between the ages of A and B is 4. Find the age of A.

(a) 4
(b) 21
(c) 7
(d) 3

Answer: (c)

5. Out of A's capital, 1/3 is invested at 4% and 1/4 at 3%. The rest of the capital is invested at 5%. If the annual income on the capital is Rs. 12,500, then what is the capital?

(a) Rs. 2,50,000
(b) Rs. 1,25,000
(c) Rs. 1,20,000
(d) Rs. 3,00,000

Answer: (d)

6. The Average of 3 consecutive numbers is 9. Find the middle number of the three numbers.

(a) 6
(b) 12
(c) 10
(d) 9

Answer: (d)

7. Among the following options, which is the greatest in value?

(a) 619/999

(b) 62%

(c) 621/1001

(d) 0.619

Answer: (c)

8. What is the loss percentage if an article costing Rs. 2 is sold for a loss of 50p?

(a) 24%

(b) 23%

(c) 25%

(d) 20%

Answer: (c)

9. Pipes A and B can fill the tank in 10 and 30 minutes respectively, and pipe C can empty the tank in 20 minutes. If all of them are opened at the same time, then find the time taken to fill the tank.

(a) 20 minutes

(b) 12 minutes

(c) 10 minutes

(d) 15 minutes

Answer: (b)

10. A property dealer sells a plot of land at 6 % profi he had sold it at 10% profit, he would have received an additional amount of Rs. 21,200. What i iginal selling price of the land?

(a) Rs. 5,30,000

(b) Rs. 5,00,000

(c) Rs. 5,20,000

(d) Rs. 5,10,000

Answer: (a)

11. Rs. 1500 are divided among A, B and C in such a manner that A : B = 5 : 2 and B : C = 7 : 13, What is A's share?

(a) Rs. 700

(b) Rs. 500

(c) Rs. 250

(d) Rs. 350

Answer: (a)

12. If 2P = 5Q = 6R, then P : Q : R is equal to:

(a) 3 : 4 : 5

(b) 15 : 6 : 5

(c) None of the above

(d) 6 : 15 : 5

Answer: (b)

14. If you drive at 60 kmph for 3 hours and 50 mins, then how far will you go?

(a) 230 km

(b) 210 km

(c) 250 km

(d) 240 km

Answer: (a)

15. A carpenter needs 1,500 boards to build a house. Each board must be 3 feet long and 2 feet wide. The boards available in the market are 17 feet long and 2 feet wide. How many boards must the carpenter buy and cut to get the 1,500 he needs?

(a) 42

(b) 500

(c) 125

(d) 300

Answer: (d)

16. A and B can do a piece of work in 8 days; B and C can do the same in 12 days; and A and C can do the same in 8 days. If A, B and C work together, how many days will they take to complete the work? / A

(a) 6 days

(b) 4 days

(c) 8 days

(d) 3 days

Answer: (a)

17. The square of 98 is:

(a) 9,603

(b) 9,601

(c) 9,604

(d) 9,000

Answer: (c)

18. The average age of 43 students in a class is 16. If the teacher's age is added, then the average age increases by 3 months. What is the age of the teacher?

(a) 27 years

(b) 30 years

(c) 25 years

(d) 33 years

Answer: (a)

19. The average age of a family of five was 32. It fell to 18 when the grandmother died. How old was she?

(a) 98
(b) 102
(c) 88
(d) 72

Answer: (c)

20. The average age of a 20-member team, three years ago was 17. Even after a player joined the team, the average age of its team members remains the same till date. What is the age of the newly joined player?

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

Answer: (b)

21. The average of 8 numbers is 25. If each number is increased by 15 %, then the new average of the numbers is:

(a) 30.45
(b) 35.67
(c) 28.75
(d) 20.45

Answer: (c)

22. The average of four consecutive even nu.. s 54. The largest of these number is:

(a) 47
(b) 77
(c) 67
(d) 57

Answer: (d)

23. The average weight of 10 students is increased by half a kg when one of the students weighing 50 kg is replaced by a new student. Find the weight of the new student.

(a) 60 kg
(b) 40 kg
(c) 45 kg
(d) 55 kg

Answer: (d)

25. Find the average.

19, 16, 13, 10,7, & 1

(a) 11

(b) 13

(c) 14

(d) 9

Answer: (a)

26. A train passes a platform in 36 sec and a man standing on the platform in 20 sec. If the speed of the train is 63 kmph, what is the length of the platform?

(a) 260 metres

(b) 240 metres

(c) 280 metres

(d) 300 metres

Answer: (c)

27. A train passes two cars moving in the same direction at 45 km/h and 50 km/h in 36 sec and 54 sec, respectively. What is the length of the train?

(a) 160 m

(b) 100 m

(c) 150 m

(d) 120 m

Answer: (c)

28. Cost of 1 m cloth is Rs. 120. A shirt requi[illegible] cloth. The stitching charges per shirt are Rs. 35. What will be the total cost of 5 shirts?

(a) Rs. 925

(b) Rs. 955

(c) Rs. 975

(d) Rs. 995

Answer: (b)

Science and Simple Arithmetic

5. ABCD is a rhombus with ∠BAD = 640. If AC and BD meet at O, then ∠BDC = ____.

(a) 46°

(b) 44°

(c) 54°

(d) 58°

Answer: (d)

7. Menopause occurs at the age of:

(a) 11 – 13 years
(b) 45 – 55 years
(c) 15 – 50 years
(d) 70 – 75 years

Answer: (b)

14. Turmeric stain in white shirt turn red when washed with soap because:

(a) Soap is neutral in nature
(b) Soap is acidic in nature
(c) Soap is basic in nature
(d) Turmeric is acidic in nature

Answer: (c)

15. PQRS is a rectangle. Diagonals PR and SQ meet at 'O'. If OP = 5 + 2 and OS = 7X X - 6, then X

= _____.

X

(a) 6
(b) 5
(c) 8
(d) 4

Answer: (d)

17. There is a big problem of waste disposal in ear power plan because it is:

(a) Foul smelling
(b) Highly inflammable
(c) Highly radioactive
(d) Highly reactive

Answer: (c)

20. Sonu was doing an experiment in his chemistry lab. He opened the air hole of Bunsen Burner and adjusted it to get:

(a) Yellow flame
(b) Blue flame
(c) Luminous flame
(d) Green flame

Answer: (b)

21. After 9 years, I shall be 3 times as old as I was 7 years ago. My age after 9 years will be:
    (a) 20 years
    (b) 28 years
    (c) 24 years
    (d) 32 years
    Answer: (c)

23. Marked price of a book is Rs. 225. If it is sold at a discount of 12%, then the selling price is:
    (a) 182
    (b) 205
    (c) 198
    (d) 196
    Answer: (c)

25. Which of the following is not a perfect square?
    (a) 576
    (b) 778
    (c) 529
    (d) 841
    Answer: (b)

26. The smallest number by which 30375 must be div d so that the quotient has a cube root is:
    (a) 5
    (b) 25
    (c) 3
    (d) 9
    Answer: (d)

28. The mean of first 12 whole numbers is:
    (a) 6.5
    (b) 7.5
    (c) 4.5
    (d) 5.5
    Answer: (d)

29. 'Flora' refers to the:
    (a) Wild animals of that area
    (b) Plant life of that area
    (c) Animal life of that area
    (d) Birds of that area
    Answer: (b)

30. Name the planet which appears reddish in colour.

(a) Mars

(b) Jupiter

(c) Earth

(d) Neptune

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	**(c)**	2	**(d)**	3	**(a)**	4	**(c)**	6	**(c)**	7	**(d)**	8	**(c)**	9	**(b)**				
11	**(c)**	12	**(a)**	13	**(c)**	14	**(d)**	15	**(d)**	16	**(a)**	17	**(c)**	18	**(d)**				
19	**(a)**	20	**(c)**	21	**(c)**	22	**(c)**	23	**(b)**	24	**(c)**	25	**(a)**	26	**(c)**				
27	**(d)**	28	**(b)**	29	**(a)**	30	**(d)**	34	**(c)**	35	**(a)**	36	**(a)**	37	**(d)**				
38	**(d)**	39	**(c)**	40	**(a)**														

Mental Ability and Mental Aptitude

4	**(c)**	5	**(d)**	6	**(d)**	7	**(c)**	8	**(c)**	9	**(b)**	10	**(a)**	11	**(a)**				
12	**(b)**	14	**(a)**	15	**(d)**	16	**(a)**	17	**(c)**	18	**(a)**	19	**(c)**	20	**(b)**				
21	**(c)**	22	**(d)**	23	**(d)**	25	**(a)**	26	**(c)**	27	**(c)**	28	**(b)**						

Science and Simple Arithmetic

5	**(d)**	7	**(b)**	14	**(c)**	15	**(d)**	17	**(c)**	20	**(b)**	21	**(c)**	23	**(c)**				
25	**(b)**	26	**(d)**	28	**(d)**	29	**(b)**	30	**(a)**										