PREVIOUS YEAR PAPER

MP Police Constable 2017 — 26 August 2017, Shift 1

MP Police Constable · 26 August 2017 · 09:00 AM

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

Left out of the original paper: 24 (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 26 August 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-2017-26-aug-shift-1/

General Knowledge and Logical Knowledge

1. If IJKLMNO is coded ACTVSRX, then how is KILL coded?

(a) TAXX
(b) TAVV
(c) TSVV
(d) TVSS

Answer: (b)

2. Find the odd one out:

720, 360, 120, 30, 5

(a) 30
(b) 120
(c) 5
(d) 360

Answer: (c)

4. 10th Prime Minister who was born in Madhya Pradesh whose Birthday is now celebrated as the " Good Governance day".

(a) Arjun Singh
(b) Chandrasekhar
(c) Atal Bihari Vajpayee
(d) Shankar Dayal Sharma

Answer: (c)

5. In which state of India would you come across the hill stations of Ooty and Kodaikanal?

(a) Tamil Nadu
(b) Karnataka
(c) Kerala
(d) Maharashtra

Answer: (a)

6. Who is the Chief Minister of Gujarat?

(a) Nitin Patel
(b) Amit Shah
(c) Anandiben Patel
(d) Vijay Rupani

Answer: (d)

7. Gautama Buddha was born in:

(a) Gaya
(b) Lumbini
(c) Kapilvastu
(d) Sarnath

Answer: (b)

8. Which of the following Articles deal with amendment to Constitution of India?

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

Answer: (c)

9. Which of the following inter-continental ballistic mi e with a range of over 5000 km was successfully test-fired in 2016?

(a) Prithvi VII
(b) Prithvi V
(c) Agni VII
(d) Agni V

Answer: (d)

10. Which High Court recently issued an order making it mandatory for Vande Mataram to be sung in educational institutions once a week?

(a) Punjab and Haryana High Court
(b) Madras High Court
(c) Delhi High Court
(d) Allahabad High Court

Answer: (b)

11. Which is Indian Navy's only aircraft carrier active in service?

(a) INS Kolkata
(b) INS Vikrant
(c) INS Vikramaditya
(d) INS Viraat

Answer: (c)

12. The place of origin of Narmada river is?
    (a) Amarkantak
    (b) Shahdol
    (c) Bhedaghat
    (d) Khajuraho
    Answer: (a)

13. When did India win its first cricket world cup?
    (a) 1983
    (b) 1984
    (c) 1982
    (d) 1981
    Answer: (a)

14. Zakir Hussain is the son of which famous Tabla player?
    (a) Amjad Ali Khan
    (b) Ahmad Jamal
    (c) Alla Rakha
    (d) Ali Shaheed Mohammad
    Answer: (c)

15. Where are the Udayagiri and Khandagiri caves loc d?
    (a) Karnataka
    (b) Odisha
    (c) Maharashtra
    (d) Madhya Pradesh
    Answer: (b)

16. Jabalpur is an important town, which falls under the___ Region.
    (a) Bundelkhand
    (b) Mahakaushal
    (c) Malwa
    (d) Chota Nagpur
    Answer: (b)

17. Who was the first Indian to go to space?
    (a) Sunita Williams
    (b) Rakesh Sharma
    (c) Ravish Malhotra
    (d) Kalpana Chawla
    Answer: (b)

18. Who was the founder of Bhoodan Movement?
(a) Indira Gandhi
(b) Mahatma Gandhi
(c) Jai Prakash Narayan
(d) Vinoba Bhave
Answer: (d)

19. Who was the second president of India?
(a) Zakir Hussain
(b) S Radhakrishnan
(c) R Venkataraman
(d) S D Sharma
Answer: (b)

20. Who wrote 'Discovery of India'?
(a) Bal Gangadhar Tilak
(b) Jawaharlal Nehru
(c) Mahatma Gandhi
(d) APJ Abdul Kalam
Answer: (b)

21. The Vice Chancellor of which renowned institution recently proposed introducing a tank on campus to promote nationalism?
(a) St. Stephen's
(b) Jawaharlal Nehru University
(c) Delhi Technological University
(d) Miranda House
Answer: (b)

22. Gulab Sagar is a dam in?
(a) Banjar District
(b) Shahpura District
(c) Chambal Valley
(d) Sidhi District
Answer: (d)

23. Name of the airport at Indore is____ Airport.
(a) Devi Ahilyyabai Holkar International
(b) Raja Scindia International
(c) Raja Bhoj
(d) Dhana International
Answer: (a)

24. Complete the series choosing the missing number:

1, 9, 25, _____, 81, 121

(a) 45
(b) 50
(c) 55
(d) 49

Answer: (d)

25. Complete the series choosing the missing number:

1, 4, 9, _____, 25, 36

(a) 16
(b) 14
(c) 20
(d) 15

Answer: (a)

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

Statements:

Some helicopters are planes

All parachutes are planes

Conclusions:

I. Some parachutes are not helicopters

II. Some helicopters are parachutes

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

Answer: (c)

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

Statements:

Some parathas are roties

No roties are buns

Conclusions:

I. All roties are parathas

II. Not all roties are parathas

(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)

31. If PARROTis coded QZTPRQ, then how is PEACOCK coded?

(a) QDCARZO
(b) QDCARZP
(c) QDCARAO
(d) QDDBARZO

Answer: (a)

32. If LOCK is coded KNBJ, then how is WIND[illegible]oded?

(a) VJMENV
(b) VHMCVN
(c) VHMCNV
(d) VJOEPV

Answer: (c)

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

pqp__qprp__qp__qprppqpr__prp

(a) r, q, q, r
(b) r, r, p, q
(c) r, p, q, r
(d) r, p, r, q

Answer: (d)

34. In a certain code language, heavy fish boat means gena mena fena, star gold fish means mena kena tena, a bright star means dema fenta kena. Which is the word for gold in that code language

(a) tena
(b) mena
(c) dema
(d) fenta

Answer: (a)

37. In a certain code language,qyel qola qeda means score good marks, qola sola yola means only ten marks, and sola xela zeala means ten blue socks. Which is the word for yola in that code language?

(a) ten
(b) marks
(c) good
(d) only

Answer: (d)

38. 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) STU
(b) FGI
(c) LMO
(d) ABD

Answer: (a)

39. Complete the series choosing the missing number:

1, 3, 5, _____, 9, 11

(a) 6
(b) 7
(c) 8
(d) none of the above

Answer: (b)

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

Statements:

Some flies are priests

No musicians are priests

Conclusions:

I. Not all priests are flies

II. All priests are flies

(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: (b)

Mental Ability and Mental Aptitude

5. Three years ago, Pavithra age was half of the age she will be in 20 years. What is the present age of Pavithra?

(a) 20
(b) 26
(c) 24
(d) 22

Answer: (b)

6. Three pipes A, B, and C can fill a tank in 20, 15, and 30 hrs respectively. If all the pipes are open at the same time, then what is the time taken to fill the tank?

(a) 6.67 hrs
(b) 15 hrs
(c) 10 hrs
(d) 5 hrs

Answer: (a)

7. Three candidates contested an election and received 1188, 7326, and 11286 votes respectively. What percentage of total votes did the winning candidate get?

(a) 60%
(b) 57%
(c) 55%
(d) 58%

Answer: (b)

8. The product of the place value of 1 and 2 in 41325 is:

(a) 20000
(b) 18000
(c) 30000
(d) 10000

Answer: (d)

9. The ratio between the present ages of P and Q is 6:7. If Q is 4 years old than P, what will be the ratio of the ages of P and Q after 4 years.

(a) 7: 9
(b) 3: 8
(c) 5: 8
(d) 7: 8

Answer: (d)

10. If the diagonals of two squares are in the ratio 1 : 5, then what is the ratio of their areas?

(a) 1 : 10
(b) 5 : 1
(c) 1 : 25
(d) 1 : 5

Answer: (c)

11. For three numbers sum of first two is 56, the sum of second and third is 64 and sum of third and first is 70. What is the largest number?

(a) 26
(b) 48
(c) 39
(d) 34

Answer: (c)

12. In a college of 900 students, if 600 select mathematics; 350 select both mathematics and science; find the number of students who select only science.

(a) 950
(b) 600
(c) 900
(d) 300

Answer: (d)

13. A and B can finish a work in 30 days and 20 days, respectively. If they worked together for 6 days and A leaves the job abruptly; then, how many days will B take to complete the given task?

(a) 15 days
(b) 10 days
(c) 12 days
(d) 18 days

Answer: (b)

14. The speed of a car increases by 5 km after every one hour. If the distance traveled in the first one hour was 45 km. Then what is the total distance traveled in 7 hr?

(a) 400 km
(b) 420 km
(c) 380 km
(d) 350 km

Answer: (b)

15. Aman's age after 20 years will be 4 times his age 10 years back. Find the present age of Aman. / 20

(a) 20
(b) 5
(c) 10
(d) 15

Answer: (a)

16. The Dadar Express leaves Mumbai for Delhi at 10:00 a.m. and travels at a speed of 60 kmph. The Rajdhani Express leaves Delhi for Mumbai at 06:00 p.m. and travels at a speed of 100 kmph. The total distance between Delhi to Mumbai is 1,600 km. At what time will both the trains meet?

(a) 12:00 a.m.
(b) 11:00 p.m.
(c) 01:00 a.m.
(d) 02:00 a.m.

Answer: (c)

17. The LCM of 3a, 2cd, and 5b is:

(a) 40abcd
(b) 30abcd
(c) 10abcd
(d) 15abcd

Answer: (b)

18. Find the average of all prime numbers between 1 and 20.

(a) 12.22
(b) 8.66
(c) 10
(d) 11.77

Answer: (b)

19. If 20 % of a number exceed 16 % of 650 by 10, then the number is:

(a) 580
(b) 570
(c) 550
(d) 540

Answer: (b)

20. A merchant brought an article for Rs. 170. Even after allowing a discount of 15 % on that he earns profit of 20%. Find its market price.

(a) Rs. 250
(b) Rs. 240
(c) Rs. 230
(d) Rs. 210

Answer: (b)

22. Find the average.

61, 67, 73, 79, 85 & 91

(a) 76
(b) 78
(c) 80
(d) 72

Answer: (a)

23. Robin purchased an old car for Rs. 73500. He spent Rs. 10300 on repairs and paid Rs. 2600 for its insurance. Then he sold it to a mechanic for Rs. 84240. What was his percentage gain or loss?

(a) 2.5 %
(b) 1.5 %
(c) 4.5 %
(d) 3.5 %

Answer: (a)

24. For three numbers (X, Y, and Z) sum of X [illegible] 36, the sum of Y and Z is 44 and sum of Z and X is 50. Which will be the largest number?

(a) Z only
(b) X only
(c) Y only
(d) X and Y

Answer: (a)

25. A man can row at the speed of 10 km/h in still water. If the man takes 1 hour to row to a place and back, in a river flowing at the speed of 3 km/h, then, calculate the distance he travels.

(a) 2.3 km
(b) 4.34 km
(c) 5 km
(d) 4.55 km

Answer: (d)

27. In a test, Gopal scored 98 marks out of 300 marks, but fails by 22 marks. What would be the minimum percentage of marks required to pass the test?

(a) 30 %
(b) 35 %
(c) 40 %
(d) 36 %

Answer: (c)

28. Harish sells a book for Rs. 25 and gains 25%. What is the cost price at which he would have purchased the book?

(a) Rs. 35
(b) Rs. 20
(c) Rs. 25
(d) Rs. 30

Answer: (b)

29. The wheel of a car of 30 cm radius makes 140 revolutions for every 30 sec. What is the speed of the car?

(a) 12.4 min/sec
(b) 10.6 min/sec
(c) 8.8 min/sec
(d) 6.2 min/sec

Answer: (c)

Science and Simple Arithmetic

3. Fuel 'X' has a calorific value of 50kJ/g and produces carbon dioxide and water on combustion where as Fuel 'Y' has calorific value 35kJ/g and produces oxides of sulphur and nitrogen on combustion. Which is a better fuel?

(a) Both fuels X and Y are equally bad
(b) Both fuels X and Y are equally good
(c) Fuel 'X 'is better than Fuel 'Y'
(d) Fuel 'Y' is better than Fuel 'X'

Answer: (c)

4. Nylon is used for parachutes because it:

(a) light weight and strong
(b) is eco-friendly
(c) does not catch fire easily
(d) is poor conductor of heat

Answer: (a)

5. Knives have a sharper cutting edge because it:

(a) Increases the area of contact and increases the pressure exerted

(b) Increases the area of contact and decreases the pressure exerted

(c) Decreases the area of contact and decreases the pressure exerted

(d) Decreases the area of contact and increases the pressure exerted

Answer: (d)

6. Boiling water reactor and pressurized water reactors are types of:

(a) Solar reactor

(b) Biogas reactor

(c) Thermal power reactor

(d) Nuclear reactor

Answer: (d)

7. When light passes from air to water, the angle of refraction is:

(a) Less than the angle of incidence

(b) Greater than the angle of incidence

(c) Always equal to 90° with the surface of water

(d) Equal to the angle of incidence

Answer: (a)

8. If cube of a natural number is 7 times the square of e number, then the number is:

(a) 7

(b) 49

(c) 8

(d) 64

Answer: (a)

10. If the ratio of the radii of two circles is 3:4, then the ratio of their circumference is:

(a) 4:3

(b) 16:9

(c) 3:4

(d) 9:16

Answer: (c)

11. If the volumes of two cylinders having the same height are in the ratio 25:49, then the ratio of their radii is:

(a) 5:7

(b) 7:5

(c) 25:49

(d) 49:25

Answer: (a)

13. In the LED bulbs, the term 'LED' stands for:

(a) Light Energy Diode
(b) Light Emitting Diode
(c) Light Emitting Disc
(d) Low Energy Diode

Answer: (b)

14. The population of a village has a constant growth of 5% per annum. If its present population is 33,075, then what was the population 2 years ago?

(a) 30,000
(b) 28,000
(c) 32,000
(d) 31,000

Answer: (a)

15. At how many points will two parallel lines intersect?

(a) Two
(b) Will not intersect at all
(c) One
(d) Three

Answer: (b)

16. A shopkeeper was selling all his items at 20% dis unt. During off season, he offered 25% discount over and above the existing discount. If R had bought a pullover which was marked Rs. 1200, then how much did he pay for it?

(a) Rs. 700
(b) Rs. 740
(c) Rs. 720
(d) Rs. 820

Answer: (c)

21. Name the gas liberated during anaerobic breakdown of glucose.

(a) Carbon monoxide
(b) Carbon dioxide
(c) Ozone
(d) Oxygen

Answer: (b)

25. If the perimeter of a rectangle with one side 10 cm is 56 cm, then its area is:

(a) 186 sq cm
(b) 286 sq cm
(c) 180 sq cm
(d) 280 sq cm

Answer: (c)

26. If the square of a number is multiplied by 5, we get 1125, then the number is:

(a) 14
(b) 25
(c) 15
(d) 12

Answer: (c)

27. In a group of 8 boys, four have a height of 151cm and the remaining four have a height of 154 cm. Their average height is:

(a) 151.5 cm
(b) 150.5 cm
(c) 150 cm
(d) 152.5 cm

Answer: (d)

28. If area of rectangle is equal to area of square of side 12cm. If length of the rectangle is 16 cm, then its perimeter is:

(a) 48 cm
(b) 100cm
(c) 64cm
(d) 50cm

Answer: (d)

29. Which one of the following is not a Rabi crop?

(a) Mustard
(b) Maize
(c) Pea
(d) Wheat

Answer: (b)

30. An animal that transmits a disease from infected person to other potential host is called_____.

(a) secondary host
(b) primary host
(c) vector
(d) parasite

Answer: (c)

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	**(b)**	2	**(c)**	4	**(c)**	5	**(a)**	6	**(d)**	7	**(b)**
8	**(c)**	9	**(d)**	10	**(b)**	11	**(c)**	12	**(a)**	13	**(a)**
14	**(c)**	15	**(b)**	16	**(b)**	17	**(b)**	18	**(d)**	19	**(b)**
20	**(b)**	21	**(b)**	22	**(d)**	23	**(a)**	24	**(d)**	25	**(a)**
27	**(c)**	28	**(a)**	31	**(a)**	32	**(c)**	33	**(d)**	34	**(a)**
37	**(d)**	38	**(a)**	39	**(b)**	40	**(b)**				

Mental Ability and Mental Aptitude

5	**(b)**	6	**(a)**	7	**(b)**	8	**(d)**	9	**(d)**	10	**(c)**
11	**(c)**	12	**(d)**	13	**(b)**	14	**(b)**	15	**(a)**	16	**(c)**
17	**(b)**	18	**(b)**	19	**(b)**	20	**(b)**	22	**(a)**	23	**(a)**
24	**(a)**	25	**(d)**	27	**(c)**	28	**(b)**	29	**(c)**		

Science and Simple Arithmetic

3	**(c)**	4	**(a)**	5	**(d)**	6	**(d)**	7	**(a)**	8	**(a)**
10	**(c)**	11	**(a)**	13	**(b)**	14	**(a)**	15	**(b)**	16	**(c)**
21	**(b)**	25	**(c)**	26	**(c)**	27	**(d)**	28	**(d)**	29	**(b)**
30	**(c)**										