PREVIOUS YEAR PAPER

MP Police Constable 2017 — 8 September 2017, Shift 2

MP Police Constable · 8 September 2017 · 03:00 PM

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, 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-2017-8-sep-shift-2/

General Knowledge and Logical Knowledge

1. When was the last telegram sent in India?
   (a) June 14,2013
   (b) August 1,2013
   (c) July 14,2013
   (d) July 30,2013
   Answer: (c)

2. Which High Court has recognized Ganga and Yamu rivers as living entities?
   (a) Allahabad High Court
   (b) Jharkhand High Court
   (c) Uttarakhand High Court
   (d) Madhya Pradesh High Court
   Answer: (c)

3. What does GST stand for?
   (a) Goods and Services Tax
   (b) Gold and Silver Tax
   (c) Green Stick Tax
   (d) Good and Simple Tax
   Answer: (a)

4. If TRIPPLE is coded SQHOOKD, then how is 'PEOPLE' coded?
   (a) ODPOKD
   (b) OFNOKD
   (c) ODNOKD
   (d) ODBOMD
   Answer: (c)

5. The Indian Army has been divided into_____Commands.
   (a) Seven
   (b) Nine
   (c) Six
   (d) Eight
   Answer: (a)

6. The state that ranks number one in population of Special Tribes is _____.
   (a) Uttarakhand
   (b) Madhya Pradesh
   (c) Chhattisgarh
   (d) Rajasthan
   Answer: (b)

7. The term 'Silly Point' is associated with:
   (a) Football
   (b) Badminton
   (c) Cricket
   (d) Tennis
   Answer: (c)

8. Who won the 2016 National Women Premier Chess ampionship?
   (a) Padmini Rout
   (b) Tania Sachdev
   (c) Humpy Koneru
   (d) Eesha Karavade
   Answer: (a)

9. Who is the Leader of the House in the present Rajya Sabha?
   (a) Venkaiah Naidu
   (b) Jyotiraditya Scindia
   (c) Ghulam Nabi Azad
   (d) Arun Jaitley
   Answer: (d)

13. The final match of the 2016-17 Ranjit Trophy cricket tournament was held in____.
   (a) Odisha
   (b) Cha sgarh
   (c) Madhya Pradesh
   (d) Mumbai
   Answer: (c)

14. In a certain code language, only common ground means mono tono gono, all common people means tono pla cole, give them all means cea pla tabool. Which is the word for cole in that code language?

(a) ground
(b) people
(c) them
(d) only

Answer: (b)

15. Which of the following is the newest district of Madhya Pradesh?

(a) Agar Malwa
(b) Dewas
(c) Ratlam
(d) Alirajpur

Answer: (a)

16. The first State in India to have a separate department for happiness is:

(a) Rajasthan
(b) Cha sgarh
(c) Madhya Pradesh
(d) Tripura

Answer: (c)

19. Complete the series choosing the missing numb

1, 2, 3, 5, 8, _____

(a) 11
(b) 15
(c) 9
(d) 13

Answer: (d)

20. Complete the series choosing the missing number:

5, 15, 45, 135, _____

(a) 305
(b) 405
(c) 395
(d) 455

Answer: (b)

21. Complete the series choosing the missing number:

121, 225, 361, _____

(a) 441
(b) 529
(c) 484
(d) 729

Answer: (b)

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

Statements:

All lawyers are doctors

All doctors are engineers

Conclusions:

I. All lawyers are engineers

II. All engineers are lawyers

(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)

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

Statements:

All paintings are posters

Some photographs are posters

Conclusions:

I. All photographs are paintings

II. Some photographs are paintings

(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: (c)

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

Statements:

Some bags are bottles

Some bottles are glasses

Conclusions:

I. Some bags are glasses

II. Some bags are not glasses

(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)

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

Statements:

All bills are debits

No bills are demands

Conclusions:

I. Some debits are bills

II. No demands are debits

(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)

26. Who is the Supreme Commander of the defence forces of India ?

(a) President of India
(b) Prime Minister
(c) Defence Minister
(d) Chief of the Army Staff

Answer: (a)

27. Find the odd one out:

1, 8, 13, 20, 27, 32, 37, 44

(a) 8
(b) 13
(c) 37
(d) 27

Answer: (d)

28. The Headquarters of North Western Railways is located at:

(a) Allahabad
(b) Mumbai
(c) Jabalpur
(d) Jaipur

Answer: (d)

31. The Gandhi Sagar Sanctuary is located at___.

(a) Mandsaur
(b) Son
(c) Jabalpur
(d) Rewa

Answer: (a)

32. If GOLDEN is coded HNPZLG, then how is PLAT UM coded? ?

(a) QKEPQGFC
(b) QKESPHEC
(c) QKEPPGEC
(d) QKEOPGFD

Answer: (c)

33. If HILLOCK is coded HOCLILK, then how is CURTAIN coded?

(a) NIUCTRA
(b) ARTICNU
(c) AICUNRT
(d) CAITURN

Answer: (d)

34. The Indian Institute of Soybean Research is located in _____.

(a) Gwalior
(b) Indore
(c) Agar Malwa
(d) Dewas

Answer: (b)

36. Omkareshwar is a sacred island on the _____River.

(a) Narmada
(b) Omkareshwar
(c) Tap
(d) Gomathi

Answer: (a)

37. How many different 6 digit numbers can be formed from the digits 5, 2, 1, 4, 6, 7 ?

(a) 600
(b) 520
(c) 720
(d) 480

Answer: (c)

38. In a certain code language, bright little boy means 234, tall big boy means 256, beautiful little flower means 748. Which is the number for bright in that code language?

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

Answer: (a)

39. In the following question, some group of letters i ven, all of which, except one, share a common similarity while one is different.

Choose the odd one out:

(a) EHL
(b) CFI
(c) DGJ
(d) BEH

Answer: (a)

40. Which freedom fighter is also known as "Desh Bandhu"?

(a) Chittaranjan Das
(b) KC Singh
(c) Rajaram Mohan Roy
(d) AO Hume

Answer: (a)

Mental Ability and Mental Aptitude

5. On a certain day, when the Forex indicated that 1 USD was equal to 45 INR and 1 INR was equal to 3 Yen, I had 21,000 INR saved up with me; out of which, I purchased USD 200 and utilised the rest of the Indian currency to buy Yen. How much Yen did I have after the transactions?

(a) 63000 Yen

(b) 36000 Yen

(c) 45000 Yen

(d) 54000 Yen

Answer: (b)

6. Three years ago, a father was eight times as old as his son. In three years time, if the father's age exceeds twice his son's age by six years, then, the ratio of their present ages is

(a) 13 : 2

(b) 12 : 6

(c) 19 : 5

(d) 14 : 5

Answer: (c)

7. Total 16 carpenters can make 4 tables in 2 days. Six carpenters worked for 6 days and then left. Continuing their work, how many carpenters are now required to complete 10 tables in 4 days from now.

(a) 12

(b) 11

(c) 13

(d) 8

Answer: (b)

8. The radius and the height of a right cylinder are each increased by 5%. What will be the percentage increase in the volume?

(a) 5%

(b) 12.5%

(c) 15.76%

(d) 15%

Answer: (c)

9. A person can do a piece of work in 12 days. After working alone for 4 days, he hires a helper and both of them together complete the task in 6 days. How long would it have taken for the helper to alone to complete the given task?

(a) 72 days

(b) 38 days

(c) 17 days

(d) 36 days

Answer: (d)

10. A can do a certain job in 16 days. B is 60% more efficient than A. How many days does 'B' alone take to do the same job?

(a) 6 days
(b) 8 days
(c) 12 days
(d) 10 days

Answer: (d)

11. A's salary is 30% more than B. B's monthly income is 20% less than that of 'C'. If the difference between the incomes of A and C is 800, then what is the monthly income of B in rupees?

(a) Rs. 18,000
(b) Rs. 20,800
(c) Rs. 20,000
(d) Rs. 16,000

Answer: (d)

12. Ajith is twice as old as Arjun was two years ago. If the difference of their ages be two years, then what is the present age of Ajith?

(a) 6 years
(b) 5 years
(c) 3 years
(d) 4 years

Answer: (a)

13. Pramod purchased 40 shares of XYZ c[illegible]any [illegible] Rs. 3,000, and later bought 45 more at Rs. 3,600. At what price should he purchase 15 a[illegible]l shares, so that the average cost of the shares is Rs. 90 each.

(a) Rs. 2,200
(b) Rs. 2,400
(c) Rs. 1,400
(d) Rs. 3,050

Answer: (b)

14. A daughter is 30 year younger than her mother. Two years back daughter's age was one-sixth of the age of her mother. Find their present age.

(a) 4, 34
(b) 8, 38
(c) 1, 30
(d) 2, 38

Answer: (b)

15. The average temperature on Sunday, Monday and Tuesday was 35 degree. The average temperature on Monday, Tuesday and Wednesday was 34 degree. If the temperature on Wednesday was 37, what was the temperature on Sunday?

(a) 40
(b) 33
(c) 37
(d) 32

Answer: (a)

16. The average of eight numbers is seven. If the average of the first seven of the numbers is five, what is the seventh number?

(a) 21
(b) 16
(c) 26
(d) 11

Answer: (a)

18. Train A takes 50 seconds to overtake train B. They cross each other in 20 seconds. The lengths of the trains A and B are 160 m and 240 m respectively. What is the difference in the time taken in seconds by the two trains to cross a bridge 420 meters long?

(a) 68.57 secs
(b) 28.18 secs
(c) 38 secs
(d) 45.57 secs

Answer: (a)

19. Two numbers are in the ratio 3 : 5. If each number is increased by 10 the ratio becomes 5 : 7. The larger number is:

(a) 15
(b) 25
(c) 49
(d) 35

Answer: (b)

20. A walks at 4 kmph and 4 hr after B cycles after A at 8 kmph. How far from the start does B meet A?

(a) 28 km
(b) 32 km
(c) 20 km
(d) 24 km

Answer: (b)

21. A biker rides to a place that is 100 km away at an average speed of 30 kmph and returns at an average speed of 60 kmph. What will be the average speed of the whole journey?

(a) 40 kmph
(b) 50 kmph
(c) 55 kmph
(d) 45 kmph

Answer: (a)

22. Find the result when 1,200 is decreased by 30 %.

(a) 830
(b) 740
(c) 850
(d) 840

Answer: (d)

23. If apples are bought at the rate of 30 apples per rupee, how many apples must be sold for a rupee so as to gain 50%?

(a) 45
(b) 20
(c) 25
(d) 60

Answer: (b)

24. The difference between the squares of the ages Rahul and Rohan is 4400. If the sum of ages of Rahul and Rohan is 100 then, find the ag f the unger among the two.

(a) 24
(b) 82
(c) 28
(d) 72

Answer: (c)

26. Ramdin sold one lot of bananas. The first 20% were very good in quality, and were sold at Rs. 20 per dozen, half of the rest sold at Rs. 15 per dozen, and rest at Rs. 8 per dozen. If he earned total Rs. 1,980 from selling the whole lot, how many bananas were there in total?

(a) 1200
(b) 1800
(c) 120
(d) 150

Answer: (b)

27. Find the value of x and y in the equation 3x + 5y = 200, 3x – 5y = 100.

(a) 50, 10
(b) 1, 0
(c) 1, 1
(d) 40, 10

Answer: (a)

28. Find the average.

12, 17, 25, 38, 40 & 60

(a) 26
(b) 29
(c) 32
(d) 35

Answer: (c)

29. A motor runs for 3 mins and then stops to cools down for 2 mins. For each minute, it consumes 1.5 units of electricity. In 4 hours, how much electricity would it consume?

(a) 144 units
(b) 216 units
(c) 388 units
(d) 312 units

Answer: (b)

Science and Simple Arithmetic

4. Neutralisation reaction always produce:

(a) An acid and a salt
(b) An acid and a base
(c) A salt and water
(d) A salt and a base

Answer: (c)

5. If a table of marked price Rs. 2650 is sold for Rs. 2120 after allowing a certain discount, then the rate of discount is:

(a) 15%
(b) 10%
(c) 20%
(d) 18%

Answer: (c)

6. Two numbers are such that the ratio between them is 4:5. If each number is increased by 8 and the ratio between the new numbers so formed is 6:7, then the smaller original number is:

(a) 24
(b) 16
(c) 28
(d) 20

Answer: (b)

8. ABCD is a rectangle whose diagonals AC and BD intersect at 'O'.If ∠OAB = 32°, then ∠OBC = _____.

(a) 62°
(b) 72°
(c) 48°
(d) 58°

Answer: (d)

9. At what rate percent will a sum of Rs. 8000 amounts to Rs. 9261 in 3 years?

(a) 10%
(b) 20%
(c) 5%
(d) 4%

Answer: (c)

10. In which one of the following mediums does sou travel the fastest?

(a) Water
(b) Air
(c) Vacuum
(d) Steel

Answer: (d)

11. The main component of natural gas is:

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

Answer: (b)

12. The least number which must be subtracted from 20184 to make it a perfect square is:

(a) 34
(b) 14
(c) 20
(d) 30

Answer: (c)

13. Which cell organelle is commonly called ‘cellular housekeeper’?

(a) Lysosomes
(b) Ribosomes
(c) Mitochondria
(d) Golgi apparatus

Answer: (a)

14. A sudden shaking or trembling of the earth which lasts for a very short me is called_____.

(a) Hurricane
(b) Earthquake
(c) Tornados
(d) Cyclone

Answer: (b)

17. To get the rainbow colors (VIBGYOR), the white light is to be passed through an optical device known as:

(a) Lens
(b) Glass slab
(c) Mirror
(d) Prism

Answer: (d)

19. PQRS is a parallelogram whose diagonals PR and ◦ meet at 'O'. If OS = 18cm, OP = 12cm, OQ = x + y and OR = y + 4, then the values of 'x' and 'y' a ___ and ___, respectively.

(a) 12 , 6
(b) 8 , 4
(c) 8 , 6
(d) 10 , 8

Answer: (d)

20. Identify the antibiotic whose source is a fungus.

(a) Penicillin
(b) Tetracycline
(c) Streptomycin
(d) Erythromycin

Answer: (a)

21. Milk production in cows is determined by _____.

(a) health of the cows
(b) nutritional needs of the cows
(c) resistance to diseases
(d) increased lactation period

Answer: (d)

24. Which part of the cell help in control of all the activities of the cell?

(a) Golgi bodies

(b) Nucleus

(c) Vacuole

(d) Mitochondria

Answer: (b)

25. You are aware of Polio Eradication Programme in your city. Children below the age of five years are vaccinated because:

(a) Prevents the entry of polio causing organism only

(b) Vaccina on kills the polio causing micro-organisms only

(c) All the above

(d) Vaccination creates immunity in the body only

Answer: (c)

26. If the length of a chord is 20cm and its distance from the centre is 24cm, then the diameter of the circle is:

(a) 26cm

(b) 36cm

(c) 48cm

(d) 52cm

Answer: (d)

28. Though polyester is a synthetic fibre, yet it is ea r to wear in summers than other synthetic fibres like nylon because it:

(a) Is chemically reactive

(b) Is light weight and has good elasticity

(c) Is water proof

(d) Does not catch fire

Answer: (b)

29. Among the breeds of cow mentioned below, which is an indigenous breed?

(a) Karan

(b) Holstein

(c) Jersey

(d) Sahiwal

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	**(a)**	4	**(c)**	5	**(a)**	6	**(b)**
7	**(c)**	8	**(a)**	9	**(d)**	13	**(c)**	14	**(b)**	15	**(a)**
16	**(c)**	19	**(d)**	20	**(b)**	21	**(b)**	22	**(b)**	23	**(c)**
24	**(c)**	25	**(b)**	26	**(a)**	27	**(d)**	28	**(d)**	31	**(a)**
32	**(c)**	33	**(d)**	34	**(b)**	36	**(a)**	37	**(c)**	38	**(a)**
39	**(a)**	40	**(a)**								

Mental Ability and Mental Aptitude

5	**(b)**	6	**(c)**	7	**(b)**	8	**(c)**	9	**(d)**	10	**(d)**
11	**(d)**	12	**(a)**	13	**(b)**	14	**(b)**	15	**(a)**	16	**(a)**
18	**(a)**	19	**(b)**	20	**(b)**	21	**(a)**	22	**(d)**	23	**(b)**
24	**(c)**	26	**(b)**	27	**(a)**	28	**(c)**	29	**(b)**		

Science and Simple Arithmetic

4	**(c)**	5	**(c)**	6	**(b)**	8	**(d)**	9	**(c)**	10	**(d)**
11	**(b)**	12	**(c)**	13	**(a)**	14	**(b)**	17	**(d)**	19	**(d)**
20	**(a)**	21	**(d)**	24	**(b)**	25	**(c)**	26	**(d)**	28	**(b)**
29	**(d)**										