PREVIOUS YEAR PAPER

MP Police Constable 2017 — 5 September 2017, Shift 2

MP Police Constable · 5 September 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 5 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-2017-5-sep-shift-2/

General Knowledge and Logical Knowledge

2. Which of the following is not a freshwater lake?
   (a) Dal Lake
   (b) Mansagar Lake
   (c) Sambhar Lake
   (d) Wular Lake
   Answer: (c)

4. Which of the following territories does not have a b er with Arunachal Pradesh?
   (a) Bhutan
   (b) Manipur
   (c) Nagaland
   (d) Assam
   Answer: (b)

5. Which country won the ICC Women’s Cricket World Cup, 2017?
   (a) Australia
   (b) India
   (c) England
   (d) South Africa
   Answer: (c)

6. Brand Finance has named _____ as India’s Most Valuable Brand in its 2017 report.
   (a) Wipro
   (b) Tata Group
   (c) Indigo Airlines
   (d) Infosys
   Answer: (b)

7. Chachai Falls is on _____river.

(a) Bihad
(b) Sindh
(c) Tapti
(d) Betwa

Answer: (a)

8. Captain Roop Singh Stadium is a cricket ground in _____.

(a) Gwalior
(b) Sagar
(c) Rewa
(d) Indore

Answer: (a)

9. Ken Gharial Sanctuary is located at ___.

(a) Sagar
(b) Chhatarpur
(c) Rewa
(d) Banjar

Answer: (b)

10. What is the 'Darwaza Band' campaign about?

(a) Prevention of corruption
(b) Curb noise pollution
(c) Distribution of LPG cylinders
(d) To promote use of toilets and curb open defecation

Answer: (d)

11. What is the rank of India in the latest Human Development Index (HDI) rankings in 2017?

(a) 122
(b) 131
(c) 146
(d) 119

Answer: (b)

12. 'Burdwan Trophy'is awarded in _____.

(a) Football
(b) Malakhamb
(c) Hockey
(d) Weightlifting

Answer: (d)

13. Where is Akshardham Temple, built in 2005 located?
    (a) Bengaluru
    (b) Calcutta
    (c) Hyderabad
    (d) Delhi
    Answer: (d)

14. Dilawer Khan started the Malwa Sultanate and established a capital at
    (a) Mandu
    (b) Vidisha
    (c) Burhanpur
    (d) Ujjain
    Answer: (a)

15. To which of the following countries did PM Modi make his first foreign visit in 2014?
    (a) Bhutan
    (b) Bangladesh
    (c) Nepal
    (d) Pakistan
    Answer: (a)

16. Who wrote “My Experiments with Truth” ?
    (a) Indira Gandhi
    (b) Mahatma Gandhi
    (c) Bal Gangadhar Tilak
    (d) Karl Marx
    Answer: (b)

17. Who was named the Vice Presidential candidate of the United Progressive Alliance (UPA) in 2017? / 2017
    (a) Gopalkrishna Gandhi
    (b) Prakash Ambedkar
    (c) Sushil Kumar Shinde
    (d) Sharad Yadav
    Answer: (a)

18. Who was the Chairman of the Provincial Constitution Committee?
    (a) Sardar Vallabhbhai Patel
    (b) Jawaharlal Nehru
    (c) B R Ambedkar
    (d) C Gopalachari
    Answer: (a)

21. Find the odd one out:
    (a) Insat
    (b) Moon
    (c) Aryabhata
    (d) Apollo
    Answer: (b)

22. If DREAM is coded FTGCO, then how is EFFORTS coded?
    (a) FGGQTVU
    (b) GHHQSVU
    (c) GHHQTUV
    (d) GHHQTVU
    Answer: (d)

24. Find out the number of days from 15th Jan to 28th Jan of an year (both days inclusive).
    (a) 12 days
    (b) 13 days
    (c) 15days
    (d) 14 days
    Answer: (d)

26. Complete the series choosing the missing numbe

1, 2, 5, 12, 27, 58, _____
    (a) 120
    (b) 119
    (c) 121
    (d) 122
    Answer: (c)

27. Complete the series choosing the missing number:

0.5, 0.55, 0.65, 0.80, _____
    (a) 0.85
    (b) 1.00
    (c) 0.90
    (d) 0.95
    Answer: (b)

28. Complete the series choosing the missing number:

50, 38, 29, _____, 20

(a) 23
(b) 24
(c) 25
(d) 22

Answer: (a)

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

Statements:

All rabbits are horses

Some kangaroos are not rabbits

Conclusions:

I. All kangaroos are horses

II. Some kangaroos are horses

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

Answer: (c)

30. If JOSEPH is coded FKOALD, then how is GEORGE coded?

(a) CBLODB
(b) CADMNO
(c) CAKNCA
(d) CAKNI

Answer: (c)

31. Who was the first Indian Prime Minister to visit Israel?

(a) Narendra Modi
(b) Indira Gandhi
(c) Jawaharlal Nehru
(d) AtalBihari Vajpayee

Answer: (a)

34. Iftuhina means fire, arka means moon, vari means sun, chandra means water, dhara means snow and hima means air and anil means earth.

What is essential for fire to burn things up?

(a) tuhina
(b) anil
(c) vari
(d) hima

Answer: (d)

35. If COLUMN is coded DPMVNO, then how is BRACKET coded?

(a) CSBDLFU
(b) CSBDLFS
(c) CSBDLFV
(d) CSBDJFU

Answer: (a)

36. In a certain language, limbs are called feet, feet is called knee, knee is called toe, toe is called fingers, and fingers are called nails, then what is toe?

(a) nails
(b) fingers
(c) knee
(d) toe

Answer: (b)

37. In the following question, some group of [illegible] is given, all of which, except one, share a common similarity while one is different.

Choose the odd one out:

(a) 28, 32
(b) 70, 80
(c) 21, 24
(d) 54, 62

Answer: (d)

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

Statements:

Some pink are ruby

Some pink are garnet

Conclusions:

I. Some garnets are ruby

II. All garnets are ruby

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

Answer: (c)

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

Statements:

No timers are clocks

All alarms are timers

Conclusions:

I. No alarms are clocks

II. Some timers are clocks

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

Answer: (b)

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

Statements:

All buckets are plastic

Some buckets are rubber

Conclusions:

I. Some plastic are rubber

II. Some rubber are plastic

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

Answer: (d)

Mental Ability and Mental Aptitude

4. Out of a salary of a person, 10% is deducted for house rent, 20% is spent on conveyance, 20% for income tax and 10% on clothes. If he is left with Rs 800, then, find his total salary.

(a) Rs. 12,000
(b) Rs. 10,000
(c) Rs. 14,000
(d) Rs. 15,000

Answer: (a)

5. Mohit bought a stereo for Rs. 5863 and spent Rs. 1370 on repairs. He then sold it for Rs. 5700. How much his loss?

(a) 1533
(b) 1035
(c) 1633
(d) 1420

Answer: (a)

6. The HCF and LCM of two numbers are 25 and 1750 respectively. If one of the numbers is 175, then find the other number.

(a) 200
(b) 260
(c) 240
(d) 250

Answer: (d)

7. A man can reach a certain distance in 15 hrs. If he reduces his speed by 1/5, then he goes 12 km less in that time. Find his speed.

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

Answer: (d)

8. What is the difference between the simple interest and the compound interest on Rs. 5000, at the rate of 12% p.a. for two years, compounded annually?

(a) Rs. 72
(b) Rs. 45
(c) Rs. 17.50
(d) Rs. 36

Answer: (a)

9. Simplify the ratio 24 : 16 : 56

(a) 3 : 2 : 7
(b) 3 : 1 : 6
(c) 2 : 4 : 6
(d) 6 : 4 : 9

Answer: (a)

10. The least number, that must be subtracted from / so that the remainder is exactly divisible by 31 is

(a) 21
(b) 18
(c) 27
(d) 14

Answer: (b)

12. I used the discount of 16 % on a book that I purchased for buying a pen that costs Rs. 80. How much did I spend in all?

(a) Rs. 720
(b) Rs. 500
(c) Rs. 400
(d) Rs. 640

Answer: (b)

13. Average age of A and B is 24 years and average age of B, C and D is 22 years. The sum of the ages of A, B, C and D is:

(a) 98

(b) 90

(c) 120

(d) Data is not adequate

Answer: (d)

14. I read 3/8 of a book in one day and 4/5 of the remainder on another day. If there were 30 pages left for me to read now, then how many pages does the book contain?

(a) 440

(b) 340

(c) 240

(d) 140

Answer: (c)

15. A thief steals a car at 02:30 p.m. and drives it at a speed of 60 kmph. The police start the chase at the speed of 75 kmph at 03:00 p.m. from the same point from where it was stolen. When will the police catch the thief?

(a) 05:00 p.m.

(b) 04:25 p.m.

(c) 05:15 p.m.

(d) 04:55 p.m.

Answer: (a)

16. If the area and perimeter of a rectangular plot are 180 sq m and 54 m respectively. What are the length and breadth of the plot?

(a) 6, 30

(b) 15, 12

(c) 18, 10

(d) 10, 18

Answer: (b)

17. If a man is running at a speed of 18 kmph, what is the distance travelled by the man in 5 min?

(a) 1500 m

(b) 2500 m

(c) 2000 m

(d) 1000 m

Answer: (a)

18. In a fast food joint, 20 items are kept in the shelf, where 10 of them are vegetarians and 15 of them are burgers. If 10 of them are chicken burgers, then how many of them are mutton burgers?

(a) 0
(b) 10
(c) 5
(d) 15

Answer: (a)

20. The sum of the ages of Father and Son is 66 years. 3 years back, the ages of father was 5 times the age of son. Find the difference between the present ages of Father and Son?

(a) 31
(b) 40
(c) 32
(d) 35

Answer: (b)

21. If 40 % of a number is one fourth of 80 % of 2400, then the number is

(a) 2400
(b) 1200
(c) 1400
(d) 4800

Answer: (b)

22. The average weight of a class of 50 students is kg. Two new students with a weight of 55 kg and 60 kg join the class. Find the new aver we of the class.

(a) 40.15 kg
(b) 50.28 kg
(c) 58.50 kg
(d) 45 kg

Answer: (b)

23. The ages of Shyni and Thomas differ by 15 years. If five years ago, Thomas's age was twice as much as Shyni's, then, find their present ages.

(a) 20, 35
(b) 30, 5
(c) 40, 25
(d) 25, 10

Answer: (a)

24. Mohan and Sohan are 24 and 28 years of age respectively. How many years ago, the ages of Mohan and Sohan were in the ratio of 1:2.

(a) 100
(b) 50
(c) 20
(d) 25

Answer: (c)

25. One year ago, Vinu was four times as old as her daughter. Six years hence, Vinu's age will exceed her daughter's age by 6 years. The ratio of the present ages of Vinu and her daughter is:

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

Answer: (d)

26. Find the value of {55 + 60 - 3 – (2 / 2)} / {55 + 60 - 3 – (2

(a) 27.5
(b) 111
(c) 112.5
(d) 55

Answer: (b)

27. If A : B :: 11 : 5 and B : C :: 6 : 7, then A : C ::

(a) 11 : 7
(b) 66 : 35
(c) 66 : 7
(d) 35 : 7

Answer: (b)

29. Find the average.

21, 25, 29, 31 ,33 & 29

(a) 22
(b) 28
(c) 26
(d) 32

Answer: (b)

Science and Simple Arithmetic

6. ‘Plants and animals are made up of cells’ was stated by:

(a) Leeuwenhoek

(b) Robert Brown

(c) Schleiden and Schwann

(d) Purkinje

Answer: (c)

7. A train passes two bridges of length 800 m and 400 m in 100 seconds and 60 seconds, respectively. What is the length of the train?

(a) 100 m

(b) 200 m

(c) 120 m

(d) 150 m

Answer: (b)

8. A patient in a hospital is given soup everyday in a cylindrical bowl of diameter 14 cm. If the bowl is filled with soup to a height of 8 cm, how much soup must the hospital prepare every day, if it has to serve 500 patients?

(a) 61.6 liters

(b) 616 liters

(c) 0.616 liters

(d) 6.16 liters

Answer: (b)

9. Ramesh bought a motor cycle for Rs. 125[illegible]0 and spent Rs. 15000 for accessories. If he sold the bike for Rs. 161000, what is the profit percentage?

(a) 15%

(b) 16%

(c) 12%

(d) 18%

Answer: (a)

10. Rahul’s income was Rs. 80000 per month. A pie chart is made to express his expenses in different purposes and his savings. He saves Rs. 16000 every month, what angle will his savings be represented in the pie chart?

(a) 36

(b) 72

(c) 60

(d) 62

Answer: (b)

11. Which one of the following equations has x = 4 as a solution?

(a) (x + 3)(x – 2) = (x + 2)(x – 3)

(b) (x – 4)(x – 6) = (x – 2)(x – 3)

(c) (x – 4)(x + 4) = (x + 4)(x – 3)

(d) (x – 4)(x + 6) = (x – 2)(x – 4)

Answer: (d)

12. If two interior angles on the same side of a transversal intersecting two parallel lines are in the ratio 4 : 5, then the measure of the larger angle is:

(a) 100

(b) 80

(c) 110

(d) 108

Answer: (a)

14. Name the kind of connective tissue found on nose bridge and ear lobe.

(a) Tendon

(b) Ligament

(c) Cartilage

(d) Bone

Answer: (c)

15. Which principle is applicable for the separation technique involving 'Centifugation'?

(a) Lighter particles are forced to the centre while denser particles remain on the sides.

(b) Denser particles are forced to the centre while lighter particles remain on the sides.

(c) Immiscible liquids separate out in layers when denser compound remains on top.

(d) Immiscible liquids separate out in layers when lighter compound remains on top.

Answer: (b)

16. The unit of voltage is:

(a) Ampere

(b) Volt

(c) Joule

(d) Watt

Answer: (b)

18. Metallic oxides turn _____.

(a) blue litmus to colorless

(b) red litmus to colorless

(c) blue litmus to red

(d) red litmus to blue

Answer: (d)

19. Jelly like material that make up the inside of the cell is:
    (a) Water
    (b) Protoplasm
    (c) Cytoplasm
    (d) Nucleus
    Answer: (b)

20. Halley's Comet appears once in how many years?
    (a) 100 years
    (b) 76 years
    (c) 150 years
    (d) 500 years
    Answer: (b)

21. J. Chadwick discovered a sub-atomic particle. What are the characteristics of that particle?
    (a) It has negligible mass and has negative charge.
    (b) It has negligible mass and has positive charge.
    (c) It has significant mass and has positive charge.
    (d) It has significant mass and has no charge.
    Answer: (d)

23. The substances added to prevent food containing . or oil from developing a foul smell are:
    (a) Sweeteners
    (b) Colourants
    (c) Flavourants
    (d) Antioxidants
    Answer: (d)

24. The filtration units of kidneys are called_____.
    (a) neurons
    (b) urethra
    (c) ureter
    (d) nephrons
    Answer: (d)

25. Name the tool used with a tractor for sowing seeds in a field.
    (a) Combine
    (b) Cultivator
    (c) Hoe
    (d) Seed drill
    Answer: (d)

26. Aggregation of similar cells performing a specific function constitutes:

(a) Cell membrane

(b) Cell wall

(c) A tissue

(d) An organ

Answer: (c)

28. High speed wind can cause cyclone in regions of_____.

(a) moderate temperature

(b) high pressure

(c) low temperature

(d) low pressure

Answer: (d)

30. The compound interest on a sum of money for 2 years at the rate of 10% per annum compounded annually is Rs. 315. The simple interest for the same sum for the same period at the same rate is:

(a) Rs. 300

(b) Rs. 280

(c) Rs. 305

(d) Rs. 270

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

2	**(c)**	4	**(b)**	5	**(c)**	6	**(b)**	7	**(a)**	8	**(a)**
9	**(b)**	10	**(d)**	11	**(b)**	12	**(d)**	13	**(d)**	14	**(a)**
15	**(a)**	16	**(b)**	17	**(a)**	18	**(a)**	21	**(b)**	22	**(d)**
24	**(d)**	26	**(c)**	27	**(b)**	28	**(a)**	29	**(c)**	30	**(c)**
31	**(a)**	34	**(d)**	35	**(a)**	36	**(b)**	37	**(d)**	38	**(c)**
39	**(b)**	40	**(d)**								

Mental Ability and Mental Aptitude

4	**(a)**	5	**(a)**	6	**(d)**	7	**(d)**	8	**(a)**	9	**(a)**
10	**(b)**	12	**(b)**	13	**(d)**	14	**(c)**	15	**(a)**	16	**(b)**
17	**(a)**	18	**(a)**	20	**(b)**	21	**(b)**	22	**(b)**	23	**(a)**
24	**(c)**	25	**(d)**	26	**(b)**	27	**(b)**	29	**(b)**		

Science and Simple Arithmetic

6	**(c)**	7	**(b)**	8	**(b)**	9	**(a)**	10	**(b)**	11	**(d)**
12	**(a)**	14	**(c)**	15	**(b)**	16	**(b)**	18	**(d)**	19	**(b)**
20	**(b)**	21	**(d)**	23	**(d)**	24	**(d)**	25	**(d)**	26	**(c)**
28	**(d)**	30	**(a)**								