PREVIOUS YEAR PAPER

MP Police Constable 2017 — 21 August 2017, Shift 2

MP Police Constable · 21 August 2017 · 03:00 PM

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

Left out of the original paper: 22 (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 21 August 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-2017-21-aug-shift-2/

General Knowledge and Logical Knowledge

1. The RTI Act received presidential assent on _____.
   (a) 15th August 2005
   (b) 15th March 2005
   (c) 15th June 2005
   (d) 15th July 2005
   Answer: (c)

2. India's first Bio-CNG plant producing CNG from agr ltural residue is located in _____.
   (a) Jharkhand
   (b) Telangana
   (c) Maharashtra
   (d) Madhya Pradesh
   Answer: (c)

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

Statements:

Some girls are dancers

No girl can sing

Conclusions:

I. Boys can sing

II. Some dancers can sing
   (a) both conclusion I and II follows
   (b) only conclusion I follows
   (c) only conclusion II follows
   (d) neither conclusion I nor conclusion II follows
   Answer: (d)

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

Statements:

Some kids are teenagers

Some teenagers are intelligent

Conclusions:

I. Some kids are not intelligent

II. Some teenagers are not intelligent

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

Answer: (d)

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

Statements:

All wires are threads

All threads are ribbons

Conclusions:

I. All ribbons are wires

II. All wires are ribbons

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

Answer: (c)

8. Who is the Home Minister of India?

(a) Arun Jaitley
(b) Piyush Goyal
(c) Rajnath Singh
(d) Nitin Gadkari

Answer: (c)

9. Who is the Prime Minister who has had the longest term in office?
   (a) Jawaharlal Nehru
   (b) Manmohan Singh
   (c) Indira Gandhi
   (d) Lal Bahadur Shastri
   Answer: (a)

10. How many political parties in India have the National Party Status?
   (a) 7
   (b) 12
   (c) 5
   (d) 3
   Answer: (a)

11. The Judges of the Supreme Court can be removed by
   (a) Parliament
   (b) Law minister
   (c) The President
   (d) Prime Minister
   Answer: (a)

12. Satish Dhawan Space Centre is located at
   (a) Thiruvananthapuram
   (b) Sriharikota
   (c) Narendrapuri
   (d) Mahendragiri
   Answer: (b)

13. Which state has the maximum forest cover in India?
   (a) Jharkhand
   (b) Uttar Pradesh
   (c) Haryana
   (d) Madhya Pradesh
   Answer: (d)

14. Which Article of the Constitution of India provides special status to Jammu and Kashmir?
   (a) 371
   (b) 370
   (c) 368
   (d) 372
   Answer: (b)

15. Which is the first State in India to achieve 100% electrification of households?
    (a) Gujarat
    (b) Andhra Pradesh
    (c) Meghalaya
    (d) Madhya Pradesh
    Answer: (a)

16. What is the probability of getting a face card from a pack of 52 cards?
    (a) 1/52
    (b) 2/13
    (c) 4/13
    (d) 1/26
    Answer: (c)

17. The BRICS Smart Cities Conference was held in 2016 in
    (a) Shillong
    (b) Jaipur
    (c) Indore
    (d) Raipur
    Answer: (b)

18. If the day before yesterday was Monday, then wh[illegible]ill be Friday?
    (a) Three days after today
    (b) Day after tomorrow
    (c) Tomorrow
    (d) Two days after today
    Answer: (b)

19. If MOTHER is coded NPSGGT, then how is DAUGHTER coded?
    (a) EBTFJUCO
    (b) EBTFJVCP
    (c) EFTBJVDP
    (d) EBTFHVCP
    Answer: (b)

20. If FRIEND is coded IRFDNE, then how is RELATION coded?
    (a) ALERTION
    (b) ALERNOIT
    (c) NOITALER
    (d) RELANOIT
    Answer: (b)

21. If MKAGTUDPHX is coded 2876354019, then how is 307524 coded?
    (a) TPAMUD
    (b) TPXHGD
    (c) TPAUMD
    (d) TDPXHA
    Answer: (c)

22. Who among the following is the youngest Indian grandmaster in chess?
    (a) Padmini Rout
    (b) Pendyala Harikrishna
    (c) Parimarjan Negi
    (d) Pravin Thipsay
    Answer: (c)

23. Tipu Sultan was the ruler of
    (a) Mysore
    (b) Hyderabad
    (c) Ahmednagar
    (d) Ahmedabad
    Answer: (a)

24. There are 12 Jyotirlings in India of which two are i adhya Pradesh. They are located in
    (a) Ujjain and Omkareshwar
    (b) Ujjain and Hoshangabad
    (c) Omkareshwar and Indore
    (d) Bhopal and Indore
    Answer: (a)

25. Who was the Prime Minister of India during Indo-Pak war in 1965?
    (a) Jawaharlal Nehru
    (b) Indira Gandhi
    (c) Lal Bahadur Shastri
    (d) Rajiv Gandhi
    Answer: (c)

26. Who was the last Mughal Emperor?
    (a) Babur
    (b) Tipu Sultan
    (c) Aurangzeb
    (d) Bahadur Shah II
    Answer: (d)

27. In a certain code language, wela sela tela means hot water bath, jela wela nela means cold rain water, and nela nala pala means heavy rain fall. Which is the word for jela in that code language?

(a) hot
(b) water
(c) fall
(d) cold

Answer: (d)

29. The Kohira dam is located in the

(a) Dhar
(b) Kaimur District
(c) Shivpuri
(d) Rewa

Answer: (b)

30. The Sundarbans stretch to which neighbouring country of India?

(a) Bangladesh
(b) Pakistan
(c) Nepal
(d) Bhutan

Answer: (a)

31. The famous singer Tansen was from

(a) Ujjain
(b) Indore
(c) Gwalior
(d) Bhopal

Answer: (c)

32. Ravi is 7 ranks ahead of Sumit in a class of 39. If Sumit's rank is seventeenth from the last, what is Ravi's rank from the start?

(a) 17th
(b) 16th
(c) 14th
(d) 15th

Answer: (b)

33. 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) VT
(b) PR
(c) FG
(d) MQ

Answer: (c)

34. Find the odd one out:

8, 9, 12, 17, 24, 32

(a) 24
(b) 12
(c) 32
(d) 17

Answer: (c)

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

ppq __ pq __ rpqrrp__qrpq __r

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

Answer: (d)

36. Complete the series choosing the missing number:

20, 19, 17, _____, 10, 5

(a) 12
(b) 13
(c) 14
(d) 15

Answer: (c)

37. Complete the series choosing the missing number:

1, 4, 9, 16, 25, _____

(a) 48
(b) 36
(c) 49
(d) 35

Answer: (b)

38. Complete the series choosing the missing number:

1, 5, 17, 53, _____

(a) 161
(b) 159
(c) 165
(d) 147

Answer: (a)

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

Statements:

Some cats are dogs

No dog is black

Conclusions:

I. Some cats are black

II. Some cats are not black

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

Answer: (c)

40. The place of origin of Son river is near ____.

(a) Dindori
(b) Amarkantak
(c) Umaria
(d) Khajuraho

Answer: (b)

Mental Ability and Mental Aptitude

8. Khan 's age after 15 years will be five times his age 5 years back. What is the present age of Khan? 15

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

Answer: (d)

9. The Average age of a class of 15 students is 20 years. One student left the class and a new student of age 20 years joined the class. What is the new average of the class?

(a) 400 yrs
(b) 315 yrs
(c) 305 yrs
(d) 300 yrs

Answer: (d)

10. A briefcase was sold at a profit of 10%. If its cost price was 5% less and it had been sold for Rs. 7 more than the profit, it would have been 20%. Find the cost of briefcase.

(a) Rs. 170
(b) Rs. 169
(c) Rs. 175
(d) Rs. 174

Answer: (c)

11. When a book is sold for Rs. 24, the seller loses 20% of its cost. What would be his profit or loss, if he sells it for Rs. 27?

(a) A loss Rs. 3
(b) A loss Rs. 1
(c) A profit Rs. 4
(d) A profit Rs. 6

Answer: (a)

12. What number is such that its 16 % is 19

(a) 1200
(b) 1160
(c) 1260
(d) 1440

Answer: (a)

13. The ratio of ages of X and Y are 5:.4. After 25 years, the difference between their ages will be 20 years. Find the present age of X.

(a) 100
(b) 50
(c) 90
(d) 70

Answer: (a)

14. A swimmer can swim at a speed of 0.5 m/s in still water. How much distance will he cover in 25 minutes?

(a) 450 m
(b) 600 m
(c) 500 m
(d) 750 m

Answer: (d)

15. If 18 men can finish a job in 26 days, then, in how many days will 13 men finish the same job?

(a) 25 days
(b) 22 days
(c) 19 days
(d) 36 days

Answer: (d)

16. 270 is divided into two parts such that sum of 3 times the first part and 2 times the second part is 630. What is the smaller part?

(a) 180
(b) 90
(c) 70
(d) 120

Answer: (b)

17. If a line, 10 cm long, is divided in the ratio 3 : 5, t , the lengths of two resulting lines will be:

(a) 5.75 cm, 4.25 cm
(b) 6 cm, 4 cm
(c) 6.5 cm, 3.5 cm
(d) 6.25 cm, 3.75 cm

Answer: (d)

18. Q is as much younger than R as he is older than T. If the sum of the ages of R and T is 50 years, what is the difference between R and Q's age?

(a) 25 years
(b) 2 years
(c) 1 year
(d) Data insufficient

Answer: (d)

19. In a market survey, 20 % opted for Product A; 60 % opted for Product B; while the remaining people were uncertain. If the difference between those who opted for Product B and those who were uncertain was 720, how many people were covered in the survey?

(a) 1,800
(b) 3,600
(c) 1,600
(d) 1,440

Answer: (a)

21. The sum of the place values of 5 and 3 in the number 364572 is:

(a) 3500
(b) 100100
(c) 5
(d) 500300

Answer: (b)

22. By selling a T-shirt for Rs 216, a shopkeeper loses 4 %. For how much should he sell it to gain 12 % ?

(a) 552
(b) 352
(c) 252
(d) 652

Answer: (c)

23. A train travels at an average speed of 5[illegible]m fo[illegible] hr, and then travels at a speed of 75 km for 2 hr. How far did the train travel in the entire 5 [illegible]

(a) 300 km
(b) 275 km
(c) none of the above
(d) 250 km

Answer: (a)

24. A train passes 2 scoters moving in the same direction. If the train travels at a speed of 60 kmph in 30 sec and 90 kmph in 45 sec, then what is the length of the train?

(a) 800 m
(b) 520 m
(c) 600 m
(d) 750 m

Answer: (d)

27. A triangle and a parallelogram constructed on the same base have equal areas. The height of the parallelogram is 5 cm. What is the height of the triangle?

(a) 10 cm
(b) 12 cm
(c) 2 cm
(d) 5 cm

Answer: (a)

28. The LCM of 3a and 15ab is:

(a) 13ab
(b) 15ab
(c) 14ab
(d) ab

Answer: (b)

30. Find the average.

33, 40, 47, 54, 61 & 71

(a) 55
(b) 51
(c) 49
(d) 53

Answer: (b)

Science and Simple Arithmetic

4. If the adjacent angles of a parallelogram are in the ratio 1:3, then the smaller angle is:

(a) 45
(b) 40
(c) 35
(d) 75

Answer: (a)

5. If a circle has a perimeter of 44 cm, then find its diameter.

(a) 12 cm
(b) 10 cm
(c) 16 cm
(d) 14 cm

Answer: (d)

7. Spot the wrong statement about multicellular organisms.

(a) Each kind of cell is specialised to perform a specific function

(b) All cells perform life functions

(c) All cells are identical

(d) Each cell can exist on their own

Answer: (c)

9. Name the structure which segregates the cell content from surroundings in an animal cell?

(a) Nucleoplasm

(b) Nuclear membrane

(c) Cell wall

(d) Cell membrane

Answer: (d)

10. Wheat is a monocot because:

(a) It has a fibrous root system

(b) It has compound leaves

(c) The vascular bundles are arranged in a ring

(d) The leaves of the plant have reticulate venation

Answer: (a)

11. The value of m, if is:.

(a) 5

(b) 3

(c) 4

(d) 2

Answer: (b)

12. CANCELLED

If Rs. 600 amounts to Rs. 683.20 in two years, when it is compounded annually, then the rate of interest per annum is:

(a) 10%

(b) 8.5%

(c) 8%

(d) 9%

Answer: (c)

13. The least number by which 36 can be multiplied to make it a perfect cube is:

(a) 6

(b) 5

(c) 3

(d) 2

Answer: (a)

14. If the selling price = Rs. 713 and its cost price = Rs. 620, then gain percentage is:

(a) 15.5%
(b) 16%
(c) 19%
(d) 15%

Answer: (d)

15. The example of connective tissue is:

(a) Cartilage only
(b) Bone only
(c) Blood only
(d) All the above

Answer: (d)

16. Asexual reproduction in Amoeba takes place through:

(a) Regeneration
(b) Budding
(c) Binary fission
(d) Fragmentation

Answer: (c)

17. Opposition to the construction of large dams is due :

(a) Environmental reasons only
(b) Economic reasons only
(c) Social reasons only
(d) All the above

Answer: (d)

18. The length, breadth, and height of a cuboid are in the ratio 6:5:3. If its total surface area is 504 sq cm, then its volume is:

(a) 700 cu cm
(b) 728cu cm
(c) 640 cu cm
(d) 720 cu cm

Answer: (d)

19. The adjacent sides of a rectangle are in the ratio 5:12. If the perimeter of the rectangle is 34 cm, then the length of its diagonal is:

(a) 12cm
(b) 11cm
(c) 10cm
(d) 13 cm

Answer: (d)

20. If a crystal of potassium permanganate is kept in a beaker containing water, the water becomes pink after sometime. What characteristic of matter is inferred through this observation?

(a) Particles of solids break easily when pressure is applied on them.
(b) Particles of matter have space in between them.
(c) Particles of solids are tightly bound and they are rigid.
(d) Particles of liquid are loosely bound and they can flow.

Answer: (b)

21. Which one of the following is a thermoplastic?

(a) Melamine
(b) Vulcanized rubber
(c) PVC
(d) Bakelite

Answer: (c)

22. When a bar magnet is cut into two equal parts, then:

(a) One part will get north pole and the other part will get south pole
(b) Magnetism of both the parts will be lost
(c) Pole strength of both the part will be increased
(d) Each part will become a magnet

Answer: (d)

23. Solar cells are made up of:

(a) Insulators
(b) Semiconductors
(c) Superconductors
(d) Conductors

Answer: (b)

24. Which kind of muscle gets tired by prolonged periods of activity?

(a) Cardiac
(b) Muscles will not get tired
(c) Striated
(d) Non-striated

Answer: (c)

25. Which of the following provides polar bear insulation against extreme cold?

(a) Pointed mouth
(b) Fat layer
(c) Huge size
(d) White fur

Answer: (b)

26. Which of the following is an example of contact force?
    (a) Magnetic force
    (b) Electrostatic force
    (c) Gravitational force
    (d) Frictional force

    Answer: (d)

30. If the opposite angles of a parallelogram are and , the angle is:
    (a) 47
    (b) 50
    (c) 74
    (d) 48

    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	**(c)**	5	**(d)**	6	**(d)**	7	**(c)**	8	**(c)**	9	**(a)**	10	**(a)**
11	**(a)**	12	**(b)**	13	**(d)**	14	**(b)**	15	**(a)**	16	**(c)**	17	**(b)**	18	**(b)**
19	**(b)**	20	**(b)**	21	**(c)**	22	**(c)**	23	**(a)**	24	**(a)**	25	**(c)**	26	**(d)**
27	**(d)**	29	**(b)**	30	**(a)**	31	**(c)**	32	**(b)**	33	**(c)**	34	**(c)**	35	**(d)**
36	**(c)**	37	**(b)**	38	**(a)**	39	**(c)**	40	**(b)**						

Mental Ability and Mental Aptitude

8	**(d)**	9	**(d)**	10	**(c)**	11	**(a)**	12	**(a)**	13	**(a)**	14	**(d)**	15	**(d)**
16	**(b)**	17	**(d)**	18	**(d)**	19	**(a)**	21	**(b)**	22	**(c)**	23	**(a)**	24	**(d)**
27	**(a)**	28	**(b)**	30	**(b)**										

Science and Simple Arithmetic

4	**(a)**	5	**(d)**	7	**(c)**	9	**(d)**	10	**(a)**	11	**(b)**	12	**(c)**	13	**(a)**
14	**(d)**	15	**(d)**	16	**(c)**	17	**(d)**	18	**(d)**	19	**(d)**	20	**(b)**	21	**(c)**
22	**(d)**	23	**(b)**	24	**(c)**	25	**(b)**	26	**(d)**	30	**(a)**				