PREVIOUS YEAR PAPER

MP Police Constable 2017 — 1 September 2017, Shift 2

MP Police Constable · 1 September 2017 · 03:00 PM

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

Left out of the original paper: 28 (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 1 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-2017-1-sep-shift-2/

General Knowledge and Logical Knowledge

2. River that flows in the eastern part of Madhya Pradesh and drains into Bay of Bengal near Orissa is

(a) Denwa
(b) Shipra
(c) Chambal
(d) Mahanadi

Answer: (d)

3. Provision of ‘Employment to All' comes under

(a) Directive Principles of State Policy
(b) Industrial Policy
(c) Fundamental Rights
(d) Labour Laws

Answer: (a)

4. Which among the following rivers flows into the Bay of Bengal?

(a) Narmada
(b) Netravati
(c) Brahmaputra
(d) None of these

Answer: (c)

5. Which glacier is the source of the Brahmaputra river?

(a) Gangotri Glacier
(b) Siachen Glacier
(c) Angsi Glacier
(d) Kafni Glacier

Answer: (c)

6. Which of the following is the mausoleum of Muhammad Adil Shah of the Adil Shahi dynasty?

(a) Juma Masjid
(b) Gol Gumbaz
(c) Qutub Minar
(d) Taj Mahal

Answer: (b)

7. _____ is a widely practised form of folk music in southern Malwa which came through the Marathas.

(a) Chaiti
(b) Garba
(c) Lavani
(d) Stobha

Answer: (c)

8. Panna in Madhya Pradesh is associated with

(a) Mica
(b) Manganese
(c) Diamond
(d) Copper

Answer: (c)

9. If KARTIK is coded LCUXNQ, then how is VINAYAK coded?

(a) WJQEDQHI
(b) WKQECGRI
(c) WKQEDGRI
(d) WKQFDGRI

Answer: (c)

10. The English East India Company was abolished in the year _____.

(a) 1856
(b) 1858
(c) 1857
(d) 1860

Answer: (b)

11. The term of President of India is

(a) 5 years
(b) 4years
(c) 3 years
(d) 7 years

Answer: (a)

12. The State which accounts for more than 90 per cent of total rubber production in India is
    (a) Karnataka
    (b) Tamil Nadu
    (c) Andhra Pradesh
    (d) Kerala
    Answer: (d)

13. Who was referred to as the "Ambassador of Hindu-Muslim Unity" by Sarojini Naidu?
    (a) Muhammad Ali Jinnah
    (b) Shaukat Ali
    (c) Abdul Ghaffar Khan
    (d) Maulana Azad
    Answer: (a)

14. Who was the first Indian woman president of Indian National Congress?
    (a) Vijayalakshmi Pandit
    (b) Sarojini Naidu
    (c) Nellie Sengupta
    (d) Annie Besant
    Answer: (b)

16. Find the odd one out
    (a) Door
    (b) Window
    (c) Gate
    (d) Table
    Answer: (d)

17. Find the odd one out:
    (a) In and Out
    (b) Black and White
    (c) High and Low
    (d) Weapons and Arms
    Answer: (d)

20. In a certain code language, ise sep vaz means drink hot coffee, ezy vaz kam means hot air balloon, seg ezy poz means blow cold air. Which is the word for balloon in that code language?
    (a) kam
    (b) poz
    (c) sep
    (d) ezy
    Answer: (a)

21. If THIRST is coded UIJSTU, then how is LAMENT coded?
(a) SMDLZK
(b) KZLDMS
(c) MANTLE
(d) MBNFOU
Answer: (d)

22. If DUTCH is coded BTTDJ, then how is CROWN coded?
(a) AQOXP
(b) AQOYP
(c) APOXP
(d) AQPXP
Answer: (a)

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

AZ, CX, EV, GT,_____
(a) IR
(b) QK
(c) OP
(d) MN
Answer: (a)

25. Complete the series choosing the missing numb

3, 7, 7, 13, 11, 19, 15, _____
(a) 29
(b) 25
(c) 23
(d) 30
Answer: (b)

26. Famous male Hindi play back singer, music composer, actor and lyrist born in Khandwa was
(a) Varsha Verman
(b) Deepak Chusala
(c) Salim Khan
(d) Kishore Kumar
Answer: (d)

27. Annie Besant belonged to the
(a) Arya Samaj
(b) Prarthana Samaj
(c) Ghadar Party
(d) Theosophical Society
Answer: (d)

28. CANCELLED

Complete the series choosing the missing number:

2, 5, 8, 11, 14, 17, _____

(a) 25
(b) 24
(c) 36
(d) 32

Answer: (b)

29. CANCELLED

The Omkareshwar multipurpose project is located at

(a) Vidisha
(b) Sidhi
(c) Dhar
(d) Indore

Answer: (d)

30. As per census 2011, the most densely populated Union Territory in India is

(a) Lakshadweep
(b) Pondicherry
(c) NCT of Delhi
(d) Sikkim

Answer: (c)

32. Harshavardhana was defeated by

(a) Taila II
(b) Jayasingha
(c) Pulakesin I
(d) Pulakesin II

Answer: (d)

33. The first Indian to be elected as the President of UN General Assembly was

(a) S. Radhakrishnan
(b) Acharya Kripalani
(c) V.K. Krishna Menon
(d) Vijayalakshmi Pandit

Answer: (d)

35. Article 368 of the Indian Constitution deals with_____.
    (a) Emergency provisions
    (b) Amending Procedure
    (c) Right to primary Education
    (d) Right to Information
    Answer: (b)

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

Statements:

Some dopes are bricks

No trucks are dopes

Conclusions:

I. No bricks are dopes

II. Some trucks are dopes
    (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: (a)

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

Statements:

Some tables are chairs

Some tables are cots

Conclusions:

I. Some chairs are cots

II. All tables are either chairs or cots
    (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: (a)

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

Statements:

All insects are ants

All ants are bears

Conclusions:

I. No bear is an insect

II. Some bears are ants

(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: (c)

40. Complete the series choosing the missing number:

6, 12, 20, 30, _____

(a) 50
(b) 40
(c) 46
(d) 42

Answer: (d)

Mental Ability and Mental Aptitude

4. Two pipes can fill a tank in 5 hrs and 20 hrs, respectively. A third pipe can empty the tank in 10 hrs. If all the three pipes are opened simultaneously, then, how long will it take for the tank to get filled?

(a) 6 hrs 40 min
(b) 4 hrs 20 min
(c) 4 hrs 30 min
(d) 5 hrs 20 min

Answer: (a)

5. Amita is a mother of four children. If all her children were born in consecutive leap years and if the average of all the four children was 10 years, then find the age of the eldest child?

(a) 14 years
(b) 15 years
(c) 12 years
(d) 16 years

Answer: (d)

6. A man is standing on a railway platform, which is 180 m long. If he finds that a train crosses the platform in 20 sec, but crosses him in 8 sec, what is the length of the train?

(a) 80 m
(b) 100 m
(c) 150 m
(d) 120 m

Answer: (d)

7. 7 students can finish 7 projects in 7 days. How much time would 1 student take to finish 1 project?

(a) 1 day
(b) 14 days
(c) 12 days
(d) 7 days

Answer: (d)

8. Sita and Gita have their ages in the ratio of 3:2. After 5 years, their ages will be in the ratio of 8:7. Find the present age of Gita.

(a) 4
(b) 2
(c) 15
(d) 8

Answer: (b)

9. A school operates 11 sections of equal size. Earli operated 13 sections but after admitting 4 new students, the administration decided t dist ute the sections. So the number of sections was reduced but with equal number of stude ach section. If each section has 24 students now, what is the total number of students in the school?

(a) 260
(b) 250
(c) 264
(d) 134

Answer: (c)

10. If a - 4b = 20 and 6b + 5a = 22, then a - b=?

(a) 11
(b) 14
(c) 5
(d) 30

Answer: (a)

11. A rectangular park, 70 m x 30 m has two roads, which are 5 m wide, one parallel to its length and the other to its breadth. How much will it cost to gravel the roads at Rs. 4 per sq m? / 70x 30

(a) Rs. 475 / 475 .

(b) Rs. 1,900 / 1900 .

(c) Rs. 1,425 / 1425 .

(d) Rs. 950 / 950 .

Answer: (b)

12. A number when divided by the sum of 636 and 364 gives quotient equal to their difference and remainder as 6. What is the number?

(a) 272006

(b) 27206

(c) 1272

(d) 12706

Answer: (a)

13. A cloth merchant, on selling 27 metres of cloth, obtains a profit equal to the selling price of 9 metres of the same cloth. Find his profit percentage.

(a) 50%

(b) 60%

(c) None of the above

(d) 40%

Answer: (a)

15. In a school, 40 % of students are boys. The total number of students in the school is 960, find out the number of girl students in the class?

(a) 728

(b) 478

(c) 400

(d) 576

Answer: (d)

16. A can do a work in 15 days and B can do the work in 10 days. How many days will take to complete the work, if they do simultaneously?

(a) 6 days

(b) 8 days

(c) 9 days

(d) 5 days

Answer: (a)

17. Lila and Kumud are older than Rashid and Nalin. Yash is younger than Rashid, but older than Nalin. Mukul is younger than Lila, but older than Kumud. Arrange the group in increasing order of age.

(a) Nalin, Mukul, Rashid, Kumud, Yash, Lila

(b) Nalin, Yash, Rashid, Kumud, Mukul, Lila

(c) Lila, Mukul, Kumud, Rashid, Yash, Nalin

(d) Lila, Yash, Kumud, Rashid, Mukul, Nalin

Answer: (b)

18. The average price of 3 items is Rs. 300. If their prices are in the ratio 3 : 5 : 7; find the price of the costliest item.

(a) 100

(b) 75

(c) 140

(d) 60

Answer: (c)

19. The average monthly expenditure of a family during the first 6 months is Rs.51,000 and the average monthly during the last 6 months of the year is Rs.45,000. Find the average monthly expenditure of the family for the whole year?

(a) Rs.47,000 / 47,000 .

(b) Rs.47,500 / 47,500 .

(c) Rs.48,000 / 48,000 .

(d) Rs.49,000 / 49,000 .

Answer: (c)

20. A watch was bought for Rs. 530 and sold at 4% gain. Find its selling price.

(a) Rs. 551.20 / 551.20 .

(b) Rs. 451.20 / 451.20 .

(c) None of the above

(d) Rs. 351.20 / 351.20 .

Answer: (a)

21. The cost of an article is Rs. 9,180 after getting 15 % discount. What is the original price in rupees?

(a) Rs. 10,800 / 10,800 .

(b) Rs. 10,900 / 10,900 .

(c) Rs. 10,700 / 10,700 .

(d) Rs. 10,850 / 10, 850 .

Answer: (a)

22. Ram gives Rs. 10,000 to his son Shyam, and asks him to distribute Rs. 3,425 each among his two sisters. How much money is left with Shyam?

(a) Rs. 3,250 / 3250 .

(b) Rs. 3,200 / 3200 .

(c) Rs. 3,050 / 3050 .

(d) Rs. 3,150 / 3150 .

Answer: (d)

23. Twelve women can complete a piece of work by working 10 hrs a day for 20 days. How many days of 15 hrs each would 16 men require to complete the same task, if 4 women do as much work as 3 men?

(a) 8.5 days

(b) 7.5 days

(c) 12.5 days

(d) 10 days

Answer: (b)

24. Two numbers are in the ratio 7 : 8. If 3 is added to each of the two numbers and their ratio becomes 8 : 9; the numbers are:

(a) 16, 18

(b) 14, 16

(c) 21, 24

(d) 24, 27

Answer: (c)

26. CANCELLED

Find the average.

65, 66, 67, 68, 67 & 7

(a) 67

(b) 58

(c) 68

(d) 64

Answer: (c)

27. If 10% of X = 20% of Y, then X:Y = ?

(a) 3 : 2

(b) 2 : 3

(c) 1 : 2

(d) 2 : 1

Answer: (d)

28. If the product of two numbers is 120 and the sum of their squares is 289, then the sum of the numbers will be:

(a) 40
(b) 23
(c) 26
(d) 35

Answer: (b)

29. In 1985, the profit for a certain product was 25 %. In the next 3 years, the cost price increases by 10 %, 10 %, and 20 %; also the sales price increases by 15 %, 10 %, and 20 %. What is the profit percentage now? (Approximately)

(a) 27.3 %
(b) 32.4 %
(c) 35.7 %
(d) 30.7 %

Answer: (d)

Science and Simple Arithmetic

6. Deforestation leads to:

(a) Increase in oxygen
(b) Increase in carbon dioxide
(c) Increase in nitrogen
(d) Decrease in carbon dioxide

Answer: (b)

8. Vinu gave a loan of Rs. 200 to Harish and recovered it at the rate of Rs. 14 per month for twenty months. The rate of simple interest charged is:

(a) 24%
(b) 26%
(c) 16%
(d) 12%

Answer: (a)

9. If y% of 61 + 81% of 61 = 61% of 90, then y will be:

(a) 32
(b) 72
(c) 9
(d) 15

Answer: (c)

10. If two adjacent angles of a parallelogram are equal, what is the measure of each of the angles?

(a) 120
(b) 90
(c) 45
(d) 60

Answer: (b)

11. The smallest number by which 28812 must be divided so that the quotient becomes a perfect square is_____.

(a) 3
(b) 49
(c) 14
(d) 2

Answer: (a)

14. A fine layer of gold deposited on silver ornaments is called_____.

(a) sterling silver
(b) silver plated
(c) rhodium plated
(d) gold plated

Answer: (d)

16. The shape of the orbit in which a comet revolves ound the sun is:

(a) Circular
(b) Semi-circular
(c) Parabolic
(d) Highly elliptical

Answer: (d)

17. A magnetic compass needle placed near a current carrying wire shows a deflection. The effect of electric current demonstrated here is:

(a) The chemical effect of electric current
(b) The heating effect of electric current
(c) The magnetic effect of electric current
(d) The mechanical effect of electric current

Answer: (c)

19. Which one of the following statements is INCORRECT?

(a) Husk of coconut is made of sclerenchyma ssues.
(b) Xylem and phloem are forms of complex ssues.
(c) Collenchyma gives flexibility to plants.
(d) Cells of cork contain a chemical called lignin.

Answer: (d)

20. Name the group of animals which have haemocoel.
    (a) Amphibians
    (b) Pisces
    (c) Arthropods and Mollusca
    (d) Annelids
    Answer: (c)

21. Rabies is caused by the bite of_____.
    (a) dog only
    (b) monkey only
    (c) cat only
    (d) All the above
    Answer: (d)

26. If radius of a cylinder is doubled, its volume is increased by:
    (a) 8 times
    (b) 2 times
    (c) 7 times
    (d) 4 times
    Answer: (c)

27. Lithosphere consists of_____.
    (a) air
    (b) land or soil
    (c) sky
    (d) water bodies
    Answer: (b)

28. The cells in the root apex and shoot apex are called meristematic because:
    (a) They help in the conduction of water and food.
    (b) They differentiate into different plant parts.
    (c) They support the plant.
    (d) They keep on dividing forming new cells.
    Answer: (d)

29. Which of the following is/are true when water changes into ice?

(i) Its state is changed from liquid to solid

(ii) It changes smell

(iii) It does not change taste

(iv) The change can be reversed

(a) (i), (iii) and (iv) only
(b) (ii) and (iii) only
(c) (i) to (iv)
(d) (i) and (ii) only

Answer: (a)

30. Which one of the following organisms undergoes external fertilization?

(a) Cat
(b) Frog
(c) Hen
(d) Goat

Answer: (b)

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	**(d)**	3	**(a)**	4	**(c)**	5	**(c)**	6	**(b)**	7	**(c)**
8	**(c)**	9	**(c)**	10	**(b)**	11	**(a)**	12	**(d)**	13	**(a)**
14	**(b)**	16	**(d)**	17	**(d)**	20	**(a)**	21	**(d)**	22	**(a)**
24	**(a)**	25	**(b)**	26	**(d)**	27	**(d)**	28	**(b)**	29	**(d)**
30	**(c)**	32	**(d)**	33	**(d)**	35	**(b)**	36	**(a)**	38	**(a)**
39	**(c)**	40	**(d)**								

Mental Ability and Mental Aptitude

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

Science and Simple Arithmetic

6	**(b)**	8	**(a)**	9	**(c)**	10	**(b)**	11	**(a)**	14	**(d)**
16	**(d)**	17	**(c)**	19	**(d)**	20	**(c)**	21	**(d)**	26	**(c)**
27	**(b)**	28	**(d)**	29	**(a)**	30	**(b)**				