PREVIOUS YEAR PAPER

MP Police Constable 2017 — 27 August 2017, Shift 1

MP Police Constable · 27 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 27 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-2017-27-aug-shift-1/

General Knowledge and Logical Knowledge

1. Which neighboring country of India was referred to 'Serendib" by the Arabs?
   (a) Myanmar
   (b) Sri Lanka
   (c) Nepal
   (d) Pakistan
   Answer: (b)

2. Which deity is worshipped at the Tirupati temple in dhra Pradesh?
   (a) Ganesh
   (b) Shiva
   (c) Indra
   (d) Balaji
   Answer: (d)

3. What do these have in common - Kapil, Dhara, Mandhar, Dunwadhar?
   (a) All are tributaries
   (b) All are estuaries
   (c) All are deltas
   (d) All are waterfalls
   Answer: (d)

4. If MEAT is coded ZRNG, then how is TEAM coded?
   (a) GNRZ
   (b) ZNRG
   (c) GNNZ
   (d) GRNZ
   Answer: (d)

5. Arundhati Bhattacharya is the first woman Chairperson of which bank?
   (a) Canara Bank
   (b) Axis Bank
   (c) State Bank of India
   (d) ICICI Bank
   Answer: (c)

6. The largest dam on river Narmada is
   (a) Barna dam
   (b) Tigra dam
   (c) Bargi
   (d) Sardar Sarovar
   Answer: (d)

7. The new National Health Policy was approved by the Union Cabinet in_____
   (a) 2014
   (b) 2002
   (c) 2010
   (d) 2017
   Answer: (d)

8. Who is the Governor of the Reserve Bank of India?
   (a) Y.V. Reddy
   (b) Montek Singh
   (c) Raghuram Rajan
   (d) Urjit Patel
   Answer: (d)

9. Who was the founder of the Bharatiya Janata Party?
   (a) V D Savarkar
   (b) Atal Bihari Vajpayee
   (c) Syama Prasad Mukherjee
   (d) Lal Krishna Advani
   Answer: (c)

10. Who is the first Indian Woman wrestler to win an individual medal at the Olympic Games?
   (a) Sakshi Malik
   (b) Kavita Dalal
   (c) Geeta Phogat
   (d) Babita Phogat
   Answer: (a)

11. In India, Petroleum was first struck in

(a) Digboi
(b) Koyali
(c) Ankleshwar
(d) Bombay High

Answer: (a)

12. Find the odd one out:

2, 4, 12, 20, 30, 42, 56

(a) 30
(b) 20
(c) 56
(d) 4

Answer: (d)

13. Villages from which of the following districts have been included in the Climate Smart Village Project?

(a) Sidhi
(b) Sagar
(c) Satna
(d) Damoh

Answer: (c)

14. In which district are the Bhimbetka cav[illegible]

(a) Gwalior
(b) Ujjain
(c) Sanchi
(d) Raisen

Answer: (d)

15. If DOOR is coded FQQT, then how is WINDOW coded?

(a) ZLQGRZ
(b) YKPFQY
(c) YKPEPY
(d) YJPEQY

Answer: (b)

16. How many different six letter words can be formed using the letters of the word 'ORANGE', if repetition is not allowed?

(a) 600
(b) 720
(c) 360
(d) 480

Answer: (b)

17. Two different numbers have the same two digits but in the reverse order. If the sum of the digits is 5 and the difference between the numbers is 27; find the two numbers.

(a) 36,63
(b) 27,72
(c) 14,41
(d) 15,51

Answer: (c)

18. Find the next expression in the series:

A, AAC, AAACCE, _____?

(a) AAAACCCEEG
(b) AAAAACCEEG
(c) AAACCCCEEEG
(d) AAACCCCEEG

Answer: (a)

19. Complete the series choosing the missing number:

512, ____, 16, 8, 8,

(a) 216
(b) 64
(c) 48
(d) 160

Answer: (b)

20. Complete the series choosing the missing number:

3, 18, 38, 63, 93, 128, _____

(a) 148
(b) 138
(c) 168
(d) 140

Answer: (c)

21. Complete the series choosing the missing number:

0, 6, 24, 60, 120, ____

(a) 210
(b) 200
(c) 180
(d) 160

Answer: (a)

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

Statements:

Some parrots are not birds

All parrots are pigeons

Conclusions:

I. Some pigeons are not birds

II. All pigeons are parrots

(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 covers are envelops

All cards are envelops

Conclusions:

I. Some cards are covers

II. No card is cover

(a) only conclusion I follows
(b) only conclusion II 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:

All students are intelligent

Ramu is not intelligent

Conclusions:

I. Ramu is not a student

II. Ramu has to go to school

(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)

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

Statements:

All roses are lilies

Some roses are red

Conclusions:

I. Some lilies are red

II. Some red are lilies

(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: (d)

26. Who is the author of the book 'The Discovery of India' ?

(a) R.K.Narayan
(b) Mahatma Gandhi
(c) Jawaharlal Nehru
(d) Arundhati Roy

Answer: (c)

27. Name the religious movement started by Emperor Akbar in the late 16th century

16

(a) Jizya
(b) Jauhar
(c) Din-i-Ilahi
(d) Kharaj

Answer: (c)

28. A member who is elected to the Rajya Sabha for a full term serves for a period of _____.

(a) 5 years
(b) 2 years
(c) 7 years
(d) 6 years

Answer: (d)

29. National Defence Academy is situated in_____.

(a) Uttarakhand
(b) Assam
(c) Tamil Nadu
(d) Maharashtra

Answer: (d)

32. McMahon Line demarcates the boundary betwe

(a) India and Pakistan
(b) India and China
(c) India and Nepal
(d) India and Bangladesh

Answer: (b)

33. Vivekananda founded the Ramakrishna Mission at _____

(a) Kanyakumari
(b) Belur
(c) Howrah
(d) Chicago

Answer: (b)

35. Who is known as the 'Father of White Revolution' and 'Milkman of India'?

(a) M S Swaminathan
(b) H M Dalaya
(c) Tribhuvandas Patel
(d) Verghese Kurien

Answer: (d)

36. Sardar Sarovar Dam was envisaged by

(a) Indira Gandhi

(b) Jawaharlal Nehru

(c) Maneka Gandhi

(d) Medha Patkar

Answer: (b)

40. If HPMEFO is coded GOLDEN, then how is GOLDEN coded:

(a) FNKDCM

(b) FNKCDM

(c) FNKCDO

(d) FNJCDM

Answer: (b)

Mental Ability and Mental Aptitude

5. Three years ago, the average age of a family of five members was 27 years. With the addition of a child into the family, the present average age of the family is still 27 years. Find the present age of the child.

(a) 24 years

(b) 12 years

(c) 16 years

(d) 20 years

Answer: (b)

6. Three friends A, B, and C invested Rs. 20,0[illegible] 18,000, and Rs. 14,000, respectively in a business. If at the end of the year they got a profit of Rs. 7,800, then the profit share of B would be: A, B

(a) Rs. 4,200

(b) None of the above

(c) Rs. 2,700

(d) Rs. 3,700

Answer: (c)

7. The present age of A and B are 20 and 50 respectively. After how many years, the age of A will be half the age of B.

(a) 10

(b) 20

(c) 5

(d) 30

Answer: (a)

8. 40% of 250 + 25% of 280 = 50% of 240 +?

(a) 100
(b) 80
(c) 50
(d) 75

Answer: (c)

10. Tap A fills a tank in 12 hours, while Tap B empties the same tank in 20 hours. If both the taps are open together, the tank will fill in:

(a) 36 hours 24 min
(b) 24 hours 45 min
(c) 20 hours
(d) 30 hours

Answer: (d)

11. Chandan's age is one-third of his eldest sister's age today, but he will be half her age after five years from today. What is the age of Chandan's sister?

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

Answer: (a)

12. A pump fills 1,200 litres of water in a tank, after ch it remains 60 % empty. How much more water should go in to fill the tank to the bri

(a) 1,800 litre
(b) 1,200 litre
(c) 3,000 litre
(d) 2,000 litre

Answer: (a)

14. A and B together can complete a work in 10 days. B working alone can complete the work in 15 days. How long will it take for A alone to complete the work?

(a) 25 days
(b) 15 days
(c) 20 days
(d) 30 days

Answer: (d)

15. The surface areas of two spheres are in the ratio of 9 : 16. What is the ratio of their volumes?

(a) 3 : 4
(b) 9 : 16
(c) 16 : 9
(d) 27 : 64

Answer: (d)

16. Raju sold a chair at a gain of 5%. If he had sold it for Rs. 9 less, he would have lost 7%. What is cost price of the chair?

(a) Rs. 75
(b) Rs. 55
(c) Rs. 45
(d) Rs. 85

Answer: (a)

17. The average of 10 numbers is 6. If each number is multiplied by 13, then the average new set of numbers is:

(a) 58
(b) 78
(c) 55
(d) 69

Answer: (b)

18. The average of all odd numbers up to 100 is:

(a) 40
(b) 50
(c) 70
(d) 60

Answer: (b)

19. The average price of gold during last year was R ,120 per gram. The average in the first five months was Rs. 1,105. In the next three mor the erage was Rs. 1,125. What was the average price in the remaining months?

(a) Rs. 1,135
(b) Rs. 1,140
(c) Rs. 1,137.50
(d) Rs. 1,130

Answer: (a)

20. The cost of 30 books is Rs. 150. If more than 50 books are purchased, then a discount of 10% is given. How much will 70 books cost?

(a) Rs. 300
(b) Rs. 315
(c) Rs. 350
(d) Rs. 335

Answer: (b)

21. Six years ago, Natasha's age was triple the age of Manasa. Six years later, Natasha's age will be 5/3 of the age of Manasa. What is the present age of Manasa?

(a) 12
(b) 11
(c) 13
(d) 14

Answer: (a)

22. An article was bought for Rs. 250 and sold at a loss of 5 %. What is its selling price?

(a) None of the above
(b) Rs. 237.50
(c) Rs. 239.50
(d) Rs. 238.50

Answer: (b)

23. A train, 240 m in length and running at a speed of 72 kmph crosses a tunnel in one minute. What is the length of the tunnel?

(a) 780 m
(b) 820 m
(c) 960 m
(d) 1000 m

Answer: (c)

24. If 20% of X = 30% of Y, then X:Y = ?

(a) 3 : 2
(b) 2 : 3
(c) 1 : 2
(d) 2 : 1

Answer: (b)

26. Ram scored following marks in the Exam out of 100 for each subject:

English: 85

Hindi: 75

Mathematics: 92

Science: 88

Social Sciences: 85

Find the average marks scored by Ram in the 5 subjects?

(a) 83
(b) 82
(c) 87
(d) 85.2

Answer: (d)

27. CANCELLED

A train passes a truck coming from the opposite direction in 9 sec. If the speed of the truck and the train is 90 kmph, then what is the length of the train?

(a) 330 m
(b) 450 m
(c) 430 m
(d) 300 m

Answer: (b)

29. Find the average.

10, 20, 30, 35, 40 & 45

(a) 24
(b) 26
(c) 32
(d) 30

Answer: (d)

30. The square of 53 is:

(a) 2,809
(b) None of the above
(c) 2,800
(d) 2,806

Answer: (a)

Science and Simple Arithmetic

5. In a circle of radius 17 cm, if a chord is at a distance of 8 cm from the centre of the circle, then the length of the chord is:

(a) 24 cm
(b) 28 cm
(c) 30 cm
(d) 20 cm

Answer: (c)

6. Find the compound interest of Rs. 5000 for 2 years, if the rate of interest is 10% per annum.

(a) Rs.1025
(b) Rs. 900
(c) Rs. 1050
(d) Rs. 995

Answer: (c)

8. Intestine absorbs the digested food materials. What type of epithelial cells are responsible for that?

(a) Glandular epithelium
(b) Cuboidal epithelium
(c) Columnar epithelium
(d) Stratified squamous epithelium

Answer: (c)

9. The magnet used to lift and transport heavy objects like big metals, steel girders and scrap iron objects for loading and unloading purposes is known as:

(a) Electromagnet
(b) Diamagnet
(c) Permanent magnet
(d) Paramagnet

Answer: (a)

10. Give the other term for red blood cells.

(a) Erythrocytes
(b) Leucocytes
(c) Chondrocytes
(d) Osteocytes

Answer: (a)

11. The function that is not influenced by estrogen is:

(a) Release of eggs from the ovaries

(b) Formation of sperms

(c) Development of the breasts

(d) Menstrual cycle

Answer: (b)

12. The first nuclear reactor was set up in India at:

(a) Rana Pratap Sagar

(b) Trombay

(c) Tarapur

(d) Kalpakkam

Answer: (b)

13. During waste water treatment, large objects like plastic bottles, plastics, and cans are removed by:

(a) Bar screen

(b) Filtration

(c) Aeration

(d) Chlorination

Answer: (a)

14. A group of stars that appear to form a pattern in t sky is called_____.

(a) constellation

(b) comet

(c) asteroid

(d) meteor

Answer: (a)

15. On placing an inverted tumbler over a burning candle, the candle flame extinguishes after a sometime. This is because of:

(a) Ignition temperature being low

(b) Non-availability of wax in the candle

(c) Non-availability of carbon dioxide

(d) Non-availability of oxygen

Answer: (d)

16. Sonam added a tablespoon of salt in a glass of water and stirred it.The salt disappeared. Identify the type of change in it.

(a) Biological change

(b) No change

(c) Physical change

(d) Chemical change

Answer: (c)

17. Name the tree which is planted all along sewage ponds.

(a) Teak
(b) Silver oak
(c) Pongamia
(d) Eucalyptus

Answer: (d)

18. Name the vaccine used to prevent typhoid.

(a) BCG
(b) Oral drops
(c) DPT vaccination
(d) TAB vaccine

Answer: (d)

19. The decomposers in an ecosystem:

(a) Convert inorganic materials to organic compounds
(b) Convert organic material to inorganic forms
(c) Convert organic material to simpler forms
(d) Do not breakdown organic compounds

Answer: (c)

24. The lengths of two adjacent sides of a parallelogr are 5 cm and 8 cm. Its perimeter is:

(a) 13 cm
(b) 18 cm
(c) 26 cm
(d) 16 cm

Answer: (c)

25. A shop keeper buys an article for Rs. 440 and his overhead expenses are Rs. 60. If he sells the article for Rs. 550, then his profit % is :

(a) 8%
(b) 9%
(c) 6%
(d) 10%

Answer: (d)

26. AB || CD and PQ is the transversal meeting AB and CD at L and M, respectively. If ∠ALP = 110°, then ∠LMD =_____.

(a) 110°
(b) 100°
(c) 70°
(d) 60°

Answer: (c)

27. ABCD is a parallelogram. If ∠A = 135°, then ∠B + ∠D =_____.
    (a) 90°
    (b) 80°
    (c) 85°
    (d) 75°

    Answer: (a)

28. Which one of the following is not a protected area?
    (a) National park
    (b) Sanctuary
    (c) Zoo
    (d) Biosphere reserves

    Answer: (c)

30. The hormone that controls the development of secondary sexual characteristics in males is:
    (a) Testosterone
    (b) Progesterone
    (c) Adrenalin
    (d) Thyroxin

    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	**(b)**	2	**(d)**	3	**(d)**	4	**(d)**	5	**(c)**	6	**(d)**	7	**(d)**	8	**(d)**
9	**(c)**	10	**(a)**	11	**(a)**	12	**(d)**	13	**(c)**	14	**(d)**	15	**(b)**	16	**(b)**
17	**(c)**	18	**(a)**	19	**(b)**	20	**(c)**	21	**(a)**	22	**(b)**	23	**(c)**	24	**(b)**
25	**(d)**	26	**(c)**	27	**(c)**	28	**(d)**	29	**(d)**	32	**(b)**	33	**(b)**	35	**(d)**
36	**(b)**	40	**(b)**												

Mental Ability and Mental Aptitude

5	**(b)**	6	**(c)**	7	**(a)**	8	**(c)**	10	**(d)**	11	**(a)**	12	**(a)**	14	**(d)**
15	**(d)**	16	**(a)**	17	**(b)**	18	**(b)**	19	**(a)**	20	**(b)**	21	**(a)**	22	**(b)**
23	**(c)**	24	**(b)**	26	**(d)**	27	**(b)**	29	**(d)**	30	**(a)**				

Science and Simple Arithmetic

5	**(c)**	6	**(c)**	8	**(c)**	9	**(a)**	10	**(a)**	11	**(b)**	12	**(b)**	13	**(a)**
14	**(a)**	15	**(d)**	16	**(c)**	17	**(d)**	18	**(d)**	19	**(c)**	24	**(c)**	25	**(d)**
26	**(c)**	27	**(a)**	28	**(c)**	30	**(a)**								