PREVIOUS YEAR PAPER

MP Police Constable 2017 — 4 September 2017, Shift 1

MP Police Constable · 4 September 2017 · 09:00 AM

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

Left out of the original paper: 31 (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 4 September 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-2017-4-sep-shift-1/

General Knowledge and Logical Knowledge

2. River Narmada flows into the
   (a) Ganga
   (b) Indian Ocean
   (c) Bay of Bengal
   (d) Arabian Sea
   Answer: (d)

3. In June 2014, which state was formed after the bifu tion on Andhra Pradesh?
   (a) Chattisgarh
   (b) Telangana
   (c) Jharkand
   (d) Vidharba
   Answer: (b)

4. Which state has the largest state assembly in India?
   (a) Uttar Pradesh
   (b) Bihar
   (c) Kerala
   (d) Maharashtra
   Answer: (a)

5. Which among the following is a nuclear-powered submarine presently in service of the Indian Navy?
   (a) INS Sindhuvir
   (b) INS Shalki
   (c) INS Chakra
   (d) INS Shishumar
   Answer: (c)

6. Which article enlists the provision for President's rule upon the failure of the constitutional machinery within a state?

(a) Article 350
(b) Article 352
(c) Article 360
(d) Article 356

Answer: (d)

7. Which Indian Badminton player won the silver medal at the RIO 2016 Olympics?

(a) Sania Mirza
(b) PV Sindhu
(c) Ashwini Ponappa
(d) Saina Nehwal

Answer: (b)

8. Jallianwalla Bagh incident took place on

(a) November 13, 1932
(b) January 26, 1915
(c) April 13, 1929
(d) April 13, 1919

Answer: (d)

9. Rihand multipurpose project will supply power to_ _____.

(a) southern parts of Madhya Pradesh
(b) only Orissa and Chhattisgarh
(c) central parts of Madhya Pradesh
(d) northern parts of Madhya Pradesh

Answer: (d)

10. What is the maximum strength of the Rajya Sabha?

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

Answer: (b)

11. If MUSHROOM is coded HSUMMOOR, then how is EARTHQUAKE coded?

(a) HTRAEEKAUQ
(b) HTRAEQUAKE
(c) EARTHEKAUQ
(d) EKAUQHTRAE

Answer: (a)

12. In which state is India's longest tunnel, 'Chenani-Nashri Tunnel' located?

(a) Jammu and Kashmir
(b) Assam
(c) Kerala
(d) Punjab

Answer: (a)

13. From which state was the Armed Forces (Special Powers) Acts (AFSPA) withdrawn after 18 years in 2015?

(a) Tripura
(b) Jammu and Kashmir
(c) Nagaland
(d) Assam

Answer: (a)

14. The Meghdoot Garden is located at_____.

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

Answer: (d)

15. The Sardar Sarovar Dam is associated with

(a) Narmada Project
(b) Bhakra-Nangal project
(c) Tapti river valley project
(d) Mahanadi river valley project

Answer: (a)

16. The National Voters' Day is celebrated every year in India on_____.

(a) 26th January
(b) 25th January
(c) 21th January
(d) 20th January

Answer: (b)

17. Who is our current Union Minister for Finance?

(a) Narendra Modi
(b) Arun Jaitley
(c) Nitin Gadkari
(d) Sushma Swaraj

Answer: (b)

18. Who was the longest serving Governor of RBI?

(a) Dr. Bimal Jalan
(b) Dr. Manmohan Singh
(c) Dr. D.Subba Rao
(d) Sir Benegal Rama Rau

Answer: (d)

20. Who is the second Indian to score a triple century in Test Cricket?

(a) Ajinkya Rahane
(b) Virender Sehwag
(c) Karun Nair
(d) Cheteshwar Pujara

Answer: (c)

21. If SOLID is coded TPMJE, then how is METALLIC coded?

(a) NFUCNNJD
(b) NFUBMMJD
(c) NFUBNNJD
(d) NFUBMMJB

Answer: (b)

22. If GUEST is coded ISGQV, then how is YOUTH co ?

(a) BMXRJ
(b) BMWRJ
(c) AMWRJ
(d) AMXRJ

Answer: (c)

24. The boys in a class stand in one line. If one boy is nineteenth in order from both the ends, then, how many boys are there in the class?

(a) 39
(b) 37
(c) 27
(d) 38

Answer: (b)

26. Today is Thursday. What day of the week was 866 days before?

(a) Tuesday
(b) Monday
(c) Sunday
(d) Saturday

Answer: (d)

28. Two numbers from which of the following sets add up to 23?
    (a) {15,23,4,1}
    (b) {7,3,16,11}
    (c) {2,6,19,5}
    (d) {25,10,5,12}
    Answer: (b)

29. Find the odd one out:
    (a) White
    (b) Blue
    (c) Saffron
    (d) Green
    Answer: (b)

30. Find the odd one out:
    (a) Eyes
    (b) Nose
    (c) Ears
    (d) Stomach
    Answer: (d)

31. Select the option that is true about the Statements d Conclusions given:

Statements:

All red are blues

Some red are greens

Conclusions:

I. Some blues are greens

II. Some greens are blues
    (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)

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

Statements:

All kites are rockets

Some dancers are kites

Conclusions:

I. All dancers are rockets

II. Some rockets are dancers

(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: (a)

33. Complete the series choosing the missing number:

0, 4, 6, 3, 7, 9, 6, _____, 12

(a) 10
(b) 11
(c) 14
(d) 8

Answer: (a)

34. Complete the series choosing the missing number:

13, 32, 24, 43, 35, _____, 46, 65

(a) 52
(b) 55
(c) 54
(d) 45

Answer: (c)

35. Complete the series choosing the missing number:

4, 23, 60, 121, _____

(a) 241
(b) 242
(c) 212
(d) 221

Answer: (c)

39. The first successful nuclear bomb test in India took place at

(a) Bombay
(b) Pokhran
(c) Nellie
(d) None of the above

Answer: (b)

Mental Ability and Mental Aptitude

5. A man crosses a 300 m long street in 5 minutes. What is his speed in km per hour?

(a) 1.5 kmph
(b) 7.2 kmph
(c) 3.6 kmph
(d) 2.6 kmph

Answer: (c)

10. A car traveling 5/7 of its actual speed covers 42 km in 1 hr 40 min 48 sec. Find the actual speed of the car.

(a) 25 kmph
(b) 45 kmph
(c) 35 kmph
(d) 30 kmph

Answer: (c)

11. The ra o of the length of a park to its wi ˙ 5 What is the length, if the width is 42 meters?

(a) 124 meters
(b) 118 meters
(c) 140 meters
(d) 70 meters

Answer: (d)

12. If a batsman scored 120 runs which included 9 boundaries and 3 sixes, then what percent of his total score did he make by running between the wickets?

(a) 48%
(b) 50%
(c) 52%
(d) 55%

Answer: (d)

13. If 6 women can work for 8 hrs and finish a work in 10 days, then how many days will10 women take working for 6 hrs a week?

(a) 10 days
(b) 13 days
(c) 8 days
(d) 12.5 days

Answer: (c)

14. A can do a piece of work in 12 days and B in 16 days. The two undertake to do it for Rs. 6,000. With the help of C they are able to complete the work in 6 days. What is the share of B?

(a) Rs. 2,000
(b) Rs. 1,880
(c) Rs. 2,250
(d) Rs. 2,440

Answer: (c)

15. A triangle and a parallelogram constructed on the same base have equal areas. The height of the parallelogram is 7.5 cm. What is the height of the triangle?

(a) 21.5 cm
(b) 15 cm
(c) 7.5 cm
(d) 12 cm

Answer: (b)

16. Average income of A and B is Rs. 200 a[illegible]ver[illegible] of C and D is Rs. 250. Then the average income of A, B, C, D is

(a) Rs. 225
(b) Rs. 150
(c) Rs. 230
(d) Rs. 215

Answer: (a)

19. Find the average of the following of the numbers: 10, 0, -1, 10, 1, 0, -10, 10, -10, and 10

(a) 10
(b) -10
(c) 0
(d) 1

Answer: (a)

20. What percent of 3/4 is 0.5? / 3

(a) 50
(b) 67
(c) 70
(d) 75

Answer: (b)

21. The selling price of 50 pens is equal to cost price of 80 such pens. What will be the profit or loss after the sale?

(a) 50 % profit

(b) 40 % loss

(c) 40 % profit

(d) None of the above

Answer: (d)

22. A certain sum is invested at a certain rate of simple interest per annum. The total amount after five and eight years is Rs. 1420 and Rs. 1660, respectively. What was the amount of initial investment?

(a) Rs. 1020

(b) Rs. 1000

(c) Rs. 1100

(d) Rs. 1260

Answer: (a)

24. In a class of 'n' students, 10 play football, 20 play cricket, and 5 play both. If 6 can play only tennis, then what is 'n'?

(a) 20

(b) 28

(c) 31

(d) 26

Answer: (c)

27. The sum of ages of Lucky and Vicky are 2[illegible]at of Vicky and Nikki are 18 years. Find the sum of the ages of Lucky and Nikki, if the age of Vicky is 9 years.

(a) 15

(b) 21

(c) 27

(d) 18

Answer: (b)

29. Find the average.

14, 13, 12, 11, 10 & 6

(a) 14

(b) 11

(c) 9

(d) 13

Answer: (b)

30. A person walks at a speed of 5 kmph for 6 hrs and at a speed of 4 kmph for 12 hrs. Find his average speed.

(a) 7.33 kmph

(b) 5.33 kmph

(c) 6.33 kmph

(d) 4.33 kmph

Answer: (d)

Science and Simple Arithmetic

4. ABCD is a parallelogram. The diagonals, AC and BD, meet at 'O'. If OB = 6 cm and AC is 4 cm more than BD, then AO = ____.

(a) 4 cm

(b) 12 cm

(c) 8 cm

(d) 9 cm

Answer: (c)

5. Suma's mother is five times as old as Suma. After ten years, her mother will be thrice as old as Suma. Find the mother's present age.

(a) 45 years

(b) 50 years

(c) 30 years

(d) 35 years

Answer: (b)

6. Find the square root of 331776.

(a) 474

(b) 576

(c) 496

(d) 574

Answer: (b)

8. 'A' and 'B' purchased the same article each for the same price. 'A' sold it for Rs. 14100 and lost 6%. At what price should 'B' sell the article so as to make a profit of 4%?

(a) Rs. 16500

(b) Rs. 15750

(c) Rs. 15600

(d) Rs. 16850

Answer: (c)

11. How many planks each of which is 2 m long, 12 cm wide, and 7 cm thick can be made from a wooden block 6 m long, 96 cm wide and 35 cm thick?

(a) 120
(b) 90
(c) 100
(d) 110

Answer: (a)

13. The two adjacent sides of a parallelogram have lengths 12 cm and 8 cm. If the distance between the two shorter sides is 9 cm, then the distance between the two longer sides is:

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

Answer: (a)

14. The marks obtained by 20 students in mathematics are as follows:

13, 19, 15, 24, 5 18, 8, 12, 16, 12, 8, 23, 17, 20, 24, 21, 18, 13, 7, 10.

The data is divided into 5 groups namely 0 - 5, 5 - 10, 10 - 15, 15 - 20, 20 - 25.

What is the frequency of the class 15 - 20?

13, 19, 15, 24, 5 18, 8, 12, 16, 12, 8, 23, 17, 20, 24, 21, [illegible]3, 7, 10.

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

Answer: (b)

15. I borrowed Rs. 10000 from my friend at 6% per annum simple interest for 2 years. Had I borrowed this sum for the same period and at the same rate compounded annually, what excess interest would I have to pay?

(a) Rs. 42
(b) Rs. 24
(c) Rs. 36
(d) Rs. 68

Answer: (c)

16. Passage of gases and moisture is regulated on leaves and stems through openings called_____.

(a) stomata
(b) tubes
(c) guard cells
(d) epidermis

Answer: (a)

17. Which of the following is NOT a green house gas?

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

Answer: (c)

18. Which of the following apparatus can be used to separate a mixture containing petrol and water?

(a) Funnel and filter paper
(b) China Dish
(c) Separating funnel
(d) Distillation flask

Answer: (c)

19. Dilute nitric acid when treated with metals do not e hydrogen. The statement which justifies this tendency is:

(a) Dilute nitric acid is an oxidizing age
(b) Dilute nitric acid is an nitrating agent
(c) Dilute nitric acid is an reducing agent
(d) Dilute nitric acid is a hydrating agent

Answer: (a)

20. In biological control of weeds, name the insect used to control opuntia weeds.

(a) Beetle
(b) Cochineal insect
(c) Drones
(d) Aphids

Answer: (b)

21. Mica sheets are used in electric iron because:

(a) Mica is very light and a good conductor of electricity.
(b) Mica is a good conductor of electricity.
(c) Mica is a bad conductor of heat.
(d) Mica is a bad conductor of electricity but a good conductor of heat.

Answer: (d)

22. A forest is an example of:
    (a) A producer
    (b) A biosphere
    (c) An ecosystem
    (d) A community

    Answer: (c)

23. The shape of the moon changes every day because:
    (a) We see the part of the moon from which the light of the sun is reflected
    (b) The thickness of the moon's atmosphere keeps changing
    (c) The earth forms a shadow on the moon
    (d) The sun, the earth and the moon are always in a straight line

    Answer: (a)

24. The part of human eye which is sensitive to dim and bright light is_____.
    (a) eye lens
    (b) rods and cones
    (c) cornea
    (d) pupil

    Answer: (b)

25. Plant cells are mostly larger than animal cells. Wh ight be the probable reason?
    (a) Water content
    (b) Chlorophyll
    (c) Food storage
    (d) Vacuole

    Answer: (d)

26. Clearing of contaminants from wool is called_____.
    (a) carding
    (b) shearing
    (c) scouring
    (d) spinning

    Answer: (c)

27. Each kidney is formed of about a million small tubules called_____.
    (a) medulla
    (b) cortex
    (c) glomerulus
    (d) nephrons

    Answer: (d)

29. Which one of the following is not made up of one cell?
    (a) Amoeba
    (b) Zygote
    (c) Hen's egg
    (d) Spirogyra

    Answer: (d)

30. Celestial objects can be viewed at night with the help of:
    (a) Periscope
    (b) Telescope
    (c) Microscope
    (d) Kaleidoscope

    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	**(b)**	4	**(a)**	5	**(c)**	6	**(d)**	7	**(b)**
8	**(d)**	9	**(d)**	10	**(b)**	11	**(a)**	12	**(a)**	13	**(a)**
14	**(d)**	15	**(a)**	16	**(b)**	17	**(b)**	18	**(d)**	20	**(c)**
21	**(b)**	22	**(c)**	24	**(b)**	26	**(d)**	28	**(b)**	29	**(b)**
30	**(d)**	31	**(d)**	32	**(a)**	33	**(a)**	34	**(c)**	35	**(c)**
39	**(b)**										

Mental Ability and Mental Aptitude

5	**(c)**	10	**(c)**	11	**(d)**	12	**(d)**	13	**(c)**	14	**(c)**
15	**(b)**	16	**(a)**	19	**(a)**	20	**(b)**	21	**(d)**	22	**(a)**
24	**(c)**	27	**(b)**	29	**(b)**	30	**(d)**				

Science and Simple Arithmetic

4	**(c)**	5	**(b)**	6	**(b)**	8	**(c)**	11	**(a)**	13	**(a)**
14	**(b)**	15	**(c)**	16	**(a)**	17	**(c)**	18	**(c)**	19	**(a)**
20	**(b)**	21	**(d)**	22	**(c)**	23	**(a)**	24	**(b)**	25	**(d)**
26	**(c)**	27	**(d)**	29	**(d)**	30	**(b)**				