PREVIOUS YEAR PAPER

MP Police Constable 2017 — 28 September 2017, Shift 2

MP Police Constable · 28 September 2017 · 03:00 PM

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

Left out of the original paper: 38 (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 28 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-2017-28-sep-shift-2/

General Knowledge and Logical Knowledge

1. Which cricket team won the 2017 Deodhar Trophy?
   (a) Mumbai
   (b) Baroda
   (c) India B
   (d) Tamil Nadu
   Answer: (d)

4. Which number is written backward as 'Two thousar eight hundred and three'?
   (a) 3028
   (b) 8032
   (c) 8302
   (d) 3082
   Answer: (d)

5. If INTIMATE is coded NIITAMET, then how is MASTER coded?
   (a) MASRET
   (b) AMTSRE
   (c) TERMAS
   (d) SAMERT
   Answer: (b)

6. If SAND is coded WDPE, then how is MORE coded?
   (a) QRSG
   (b) QRTG
   (c) QRTF
   (d) PRTF
   Answer: (c)

7. If CAMEL is coded DCPIQ, then how is DONKEY coded?

(a) EQOOJE
(b) EQQOKE
(c) EQQOJD
(d) EQQOJE

Answer: (d)

8. If people is coded PLPOEE, then how is trend coded?

(a) TRDNE
(b) TNERD
(c) NDETR
(d) DNERT

Answer: (b)

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

Statements:

All lambs are hares

Some bicycles are not lambs

Conclusions:

I. All bicycles are hares

II. Some bicycles are hares

(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)

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

Statements:

All clothes are sons

Some papers are clothes

Conclusions:

I. All papers are sons

II. Some sons are paper

(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)

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

Statements:

All bottles are iron

Some bottles are paper

Conclusions:

I. Some iron are paper

II. Some paper are iron

(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: (b)

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

Statements:

Some pens are rubber

Some pens are daughters

Conclusions:

I. Some daughters are rubber

II. All pens are rubber

(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)

13. The _____ Women's hockey team wins 2016 Asian Champions Trophy.

(a) China
(b) India
(c) Japan
(d) Pakistan

Answer: (b)

14. In a queue, Shekhar is ninth from the back. [illegible]s place is eighth from the front. Nikhil is standing between the two. What could be the minimum number of boys standing in the queue?

(a) 10
(b) 14
(c) 8
(d) 2

Answer: (a)

15. In a certain code language, fruit is good means jham carz beta, eat good food means carz lemp gren, tree is tall means beta prom loco. Which is the word for fruit in that code language?

,

(a) jham
(b) beta
(c) lemp
(d) carz

Answer: (a)

19. The city of Gwalior is located on the banks of river _____.
    (a) Narmada
    (b) Chambal
    (c) Betwa
    (d) Mahanadi
    Answer: (b)

20. Find the odd one out:
    (a) Gujarat
    (b) Lakshadweep
    (c) Daman & Diu
    (d) Andaman & Nicobar
    Answer: (a)

21. Mukhyamantri Teerth-Darshan Yojana was started in Madhya Pradesh in the year _____.
    (a) 2014
    (b) 2012
    (c) 2008
    (d) 2006
    Answer: (b)

22. In which of the following states is black soil found
    (a) Rajasthan
    (b) Madhya Pradesh
    (c) Jammu & Kashmir
    (d) Arunachal Pradesh
    Answer: (b)

24. Which one of the following industries uses bauxite as a raw material?
    (a) Cement
    (b) Jute
    (c) Aluminium
    (d) Electronics
    Answer: (c)

26. When was the India's first solar powered DEMU train launched?
    (a) 2005
    (b) 2014
    (c) 2010
    (d) 2017
    Answer: (d)

28. India's first Par on Museum is located at _____.
    (a) Indore
    (b) New Delhi
    (c) Amritsar
    (d) Jaisalmer

    Answer: (c)

29. The Madhya Pradesh government conferred the Kumar Gandharva Award in 2017 on _____. 2017
    (a) Amir Ali Khan
    (b) Javed Akhtar
    (c) Kapila Venu
    (d) Hirabai Barodekar

    Answer: (c)

30. Padma Awards are announced every year on the occasion of _____.
    (a) Gandhi Jayanthi
    (b) Independence Day
    (c) None of the above
    (d) Republic Day

    Answer: (d)

32. _____is one of the well-publicized wildlife car ·igns, launched in 1973.
    (a) Project Rhino
    (b) Project Barasingha
    (c) Project Gharial
    (d) Project Tiger

    Answer: (d)

33. Mount Abu is located in _____ state.
    (a) Rajasthan
    (b) Gujarat
    (c) Madhya Pradesh
    (d) Maharashtra

    Answer: (a)

34. Basdeva is a traditional community of singers based in the _____ region.
    (a) Baghelkhand
    (b) Bundelkhand
    (c) Malwa
    (d) Chota Nagpur

    Answer: (a)

35. Hoshang Shah's Tomb is located at _____.
    (a) Patalkot
    (b) Chanderi
    (c) Mandu
    (d) Khajuraho
    Answer: (c)

36. Complete the series choosing the missing number:

2, 9, 28, 65, 126, _____, 344
    (a) 220
    (b) 217
    (c) 216
    (d) 218
    Answer: (b)

37. Complete the series choosing the missing number:

7, 12, 19, _____, 39
    (a) 29
    (b) 28
    (c) 26
    (d) 24
    Answer: (b)

38. Complete the series choosing the missing number:

1, 2, 5, 10, 17, 26, _____
    (a) 38
    (b) 36
    (c) 37
    (d) 35
    Answer: (c)

39. Hyderabad will host the _____Indian Science Congress (ISC) in 2018.
    (a) 106th
    (b) 105th
    (c) 104th
    (d) 103rd
    Answer: (b)

Mental Ability and Mental Aptitude

7. Find the average.

32, 39, 46, 52, 61 & 76

(a) 47
(b) 45
(c) 49
(d) 51

Answer: (d)

9. When asked about his age, a man replied that his age is equal to the value of one angle of an equilateral triangle. What is the person's age?

(a) 45
(b) 90
(c) 30
(d) 60

Answer: (d)

11. In the class, the average weight of 32 students is 44 kg. The average weight of 40 students in another class is 38 kg. If the students of both the classes are combined, then find the average weight.

(a) 40.66 kg
(b) 30.65 kg
(c) None of the above
(d) 35.21 kg

Answer: (a)

12. A fruit seller buys 200 apples for Rs. 80 and sells it for Rs. 100. What is his profit percent?

(a) 35 %
(b) 25 %
(c) None of the above
(d) 30 %

Answer: (b)

15. Find the value of 25 * 3 / 15 + 2 * 5. / 25 * 3

(a) 0
(b) 45
(c) 15
(d) 75

Answer: (c)

16. In covering a distance of 30 km, A takes 2 hours more than B. If A doubles his speed, then it would take 1 hr less than B. Find the speed of A.

(a) 6.5 kmph
(b) 6 kmph
(c) 5 kmph
(d) 5.5 kmph

Answer: (c)

20. On the sale of two watches at Rs. 2000 each, a merchant gains 10% on one and loses 10% on the other. What is the net result?

(a) No profit and no loss
(b) 5 % profit
(c) 1 % profit
(d) 1 % loss

Answer: (d)

22. A train travels at a speed of 81 kmph. How many meters will it travel in 20 minutes?

(a) 27000 m
(b) 37000 m
(c) None of the above
(d) 47000 m

Answer: (a)

23. If Rs. 360 is divided among Abdul, Babu, and C dar in the ra o of 2 : 3 : 4, then Babu will get:

(a) Rs. 200
(b) Rs. 120
(c) Rs. 80
(d) Rs. 160

Answer: (b)

24. If 25 salesmen earn Rs.1000 in 10 days, then how much will 15 salesmen earn in 15 days?

(a) Rs. 900
(b) Rs. 820
(c) Rs. 930
(d) Rs. 750

Answer: (a)

26. A wire is bent to form an equilateral triangle of each side 198 cm. The wire is then reshaped to form a circle. What is the diameter of the circle?

(a) 98 cm
(b) 94.5 cm
(c) 198 cm
(d) 189 cm

Answer: (d)

28. The least number that must be subtracted from 319 so that the remainder is exactly divisible by 23 is:

(a) 16
(b) 14
(c) 20
(d) 4

Answer: (c)

29. In a school, 4 / 5 of the children are boys. If the numbers of girl is 200, then the number of boys will be:

(a) 600
(b) 900
(c) 800
(d) 700

Answer: (c)

Science and Simple Arithmetic

7. Two towers are 30 m and 35 m high. They are 12 m apart. The distance between their tops will be:

(a) 16 m
(b) 15 m
(c) 13 m
(d) 14 m

Answer: (c)

8. A's salary is the same as 3 times B's salary. If they earn Rs. 3680 per month, find their salaries.

(a) A:Rs. 2830, B: Rs. 850 / A: 2830 , B: 850
(b) A: Rs. 2500, B: Rs. 1180 / A: 2500 , B: 1180
(c) A: Rs. 2800, B: Rs. 880 / A: 2800 , B: 880
(d) A: Rs. 2760, B: Rs. 920 / A: 2760 , B: 920

Answer: (d)

11. In how much time will the simple interest on Rs. 4000 at the rate of 9% per annum be the same as the interest on Rs. 4500 at 9.5% per annum for 4 years?

(a) 4 years
(b) 3 ½ years
(c) 4 ¼ years
(d) 4 ¾ years

Answer: (d)

12. If the base and altitude of a triangle are doubled, the new area:
    (a) Does not change
    (b) Becomes four times the original
    (c) Becomes twice that of the original
    (d) Becomes half of the original

    Answer: (b)

14. The ten's digit of the cube root of 29791 which is a perfect cube will be:
    (a) 3
    (b) 2
    (c) 4
    (d) 5

    Answer: (a)

16. Which of the following are liquid metals at nearly 30°C?
    (a) Mercury, Caesium, Bromine
    (b) Gallium, Caesium, Mercury
    (c) Bromine, Mercury, Gallium
    (d) Fluorine, Chlorine, Bromine

    Answer: (b)

17. Which one of the following agronomic conditions a[illegible]cts cultivation practices and crop yield?
    (a) All of the above
    (b) Soil quality only
    (c) Weather only
    (d) Availability of water resources only

    Answer: (a)

18. Splitting of light into its constituent colors is called_____.
    (a) Normal
    (b) Dispersion
    (c) Spectrum
    (d) Reflection

    Answer: (b)

20. Choose the products of glucose metabolism in muscles in the absence of oxygen:
    (a) Pyruvic acid + Energy
    (b) Lactic acid + Energy
    (c) Carbon dioxide + Alcohol + Energy
    (d) Carbon dioxide + Water + Energy

    Answer: (b)

21. If K, L, M and N shells of an atom are completely filled with electrons, what would be the total number of electrons in the atom?

(a) 50
(b) 32
(c) 18
(d) 60

Answer: (d)

22. The term gene was coined by_____.

(a) Mendel
(b) Watson
(c) Johnson
(d) Darwin

Answer: (c)

23. The planet between the orbit of Earth and the Sun is:

(a) Mars
(b) Jupiter
(c) Mercury
(d) Neptune

Answer: (c)

24. The whole apparatus including electrodes, electr tes and vessel containing them is called_____.

(a) Voltameter
(b) Thermometer
(c) Ammeter
(d) Electrometer

Answer: (a)

25. The pole star appears fixed in the sky because:

(a) It is located on the axis of rotation of the earth.
(b) It is the brightest star.
(c) It extends as an imaginary line from the ends of Ursa Major.
(d) Stars do not move.

Answer: (a)

26. The contrasting features for the shape of the seed are:

(a) Yellow and green
(b) Round and wrinkled
(c) Inflated and constricted
(d) Gray and white

Answer: (b)

27. Before reduction takes place, metal sulphide has to be converted to:
    (a) Oxides
    (b) Sulphates
    (c) Metals
    (d) Carbonates

    Answer: (a)

28. Which of the following is NOT a kind of epithelial tissue?
    (a) Squamous
    (b) Columnar
    (c) Cuboidal
    (d) Connective

    Answer: (d)

29. Which one of the following organisms is NOT microscopic?
    (a) Bacteria
    (b) Virus
    (c) Amoeba
    (d) Lice

    Answer: (d)

30. Cell secretions are processed and packed up by:
    (a) Golgi apparatus
    (b) Nucleus
    (c) Endoplasmic reticulum
    (d) Mitochondria

    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	**(d)**	4	**(d)**	5	**(b)**	6	**(c)**	7	**(d)**	8	**(b)**
9	**(a)**	10	**(c)**	11	**(b)**	12	**(a)**	13	**(b)**	14	**(a)**
15	**(a)**	19	**(b)**	20	**(a)**	21	**(b)**	22	**(b)**	24	**(c)**
26	**(d)**	28	**(c)**	29	**(c)**	30	**(d)**	32	**(d)**	33	**(a)**
34	**(a)**	35	**(c)**	36	**(b)**	37	**(b)**	38	**(c)**	39	**(b)**

Mental Ability and Mental Aptitude

7	**(d)**	9	**(d)**	11	**(a)**	12	**(b)**	15	**(c)**	16	**(c)**
20	**(d)**	22	**(a)**	23	**(b)**	24	**(a)**	26	**(d)**	28	**(c)**
29	**(c)**										

Science and Simple Arithmetic

7	**(c)**	8	**(d)**	11	**(d)**	12	**(b)**	14	**(a)**	16	**(b)**
17	**(a)**	18	**(b)**	20	**(b)**	21	**(d)**	22	**(c)**	23	**(c)**
24	**(a)**	25	**(a)**	26	**(b)**	27	**(a)**	28	**(d)**	29	**(d)**
30	**(a)**										