PREVIOUS YEAR PAPER

MP Police Constable 2017 — 31 August 2017, Shift 1

MP Police Constable · 31 August 2017 · 09:00 AM

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

Left out of the original paper: 29 (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 31 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-2017-31-aug-shift-1/

General Knowledge and Logical Knowledge

1. On which book is the movie ‘Kai Po Che’ based?
   (a) Olympus
   (b) The 3 Mistakes of My Life
   (c) The God of Small Things
   (d) One Amazing Thing
   Answer: (b)

2. Which city has Bina Refinery, also known as Bharat han Oil Refinery, a joint venture between Oman Oil Corporation and Bharat Petroleum Corp?
   (a) Satna
   (b) Ujjain
   (c) Chanderi
   (d) Sagar
   Answer: (d)

4. Hindola Mahal and Jahaz Mahal are both located in___.
   (a) Mandu
   (b) Bhojpur
   (c) Rewa
   (d) Rajgarh
   Answer: (a)

5. Ashoka belonged to:
   (a) Gupta dynasty
   (b) Maurya dynasty
   (c) Kushan dynasty
   (d) Saka dynasty
   Answer: (b)

6. Karera Sanctuary is established in the year.
   (a) 1988
   (b) 1981
   (c) 2000
   (d) 1991
   Answer: (b)

7. How many High Courts operate in the country?
   (a) 29
   (b) 24
   (c) 27
   (d) 22
   Answer: (b)

8. The Finance Commission is appointed every
   (a) 5 years
   (b) 3 years
   (c) 2 years
   (d) 4 years
   Answer: (a)

9. The first Indian state to achieve 100 percent primar ducation is_____.
   (a) Gujarat
   (b) Tamil Nadu
   (c) Kerala
   (d) Delhi
   Answer: (c)

10. The term 'Chinaman' is associated with
   (a) Football
   (b) Swimming
   (c) Cricket
   (d) Tennis
   Answer: (c)

11. Who is the current Chief Minister of Maharashtra?
   (a) Devendra Fadnavis
   (b) Vilasrao Deshmukh
   (c) Sharad Pawar
   (d) Bal Thackeray
   Answer: (a)

12. Who is currently the Union minister of Textiles?
    (a) Radha Mohan Singh
    (b) Smriti Irani
    (c) Maneka Gandhi
    (d) Sushma Swaraj
    Answer: (b)

13. Who is the Cabinet Secretary of India?
    (a) Shyamala Gopinath
    (b) Pradeep Kumar Sinha
    (c) S Jaishankar
    (d) R K Dutta
    Answer: (b)

14. Who is the Union Minister for Science and Technology?
    (a) Harsimrat Kaur Badal
    (b) Narendra Tomar
    (c) Uma Bhara
    (d) Harsh Vardhan
    Answer: (d)

16. Cow Sanctuary in Madhya Pradesh is located at:
    (a) Pachama (Sehore)
    (b) Salariya (Agar)
    (c) Mangaliya (Indore)
    (d) Bandol (Seoni)
    Answer: (b)

17. _____is India's first dedicated space observatory launched in 2016.
    (a) CARTOSAT
    (b) SARAL
    (c) ASTROSAT
    (d) Kalpana – I
    Answer: (c)

19. Which Indian won the 2017 Australian Super Series Badminton tournament?
    (a) Nanda Gopal
    (b) P V Sindhu
    (c) Kidambi Srikanth
    (d) Sai Praneeth
    Answer: (c)

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

Statements:

All flowers are seeds

No petals are flowers

Conclusions:

I. No petal is a seed

II. All petals are seeds

(a) both conclusion I and II follows
(b) either conclusion I or conclusion II follows
(c) only conclusion I follows
(d) only conclusion II follows

Answer: (b)

21. If paper is called wood, wood is called straw, straw is called grass, grass is called rubber and rubber is called cloth, what are tyres made of?

(a) Cloth
(b) Grass
(c) Rubber
(d) None of the above

Answer: (a)

22. Complete the series choosing the missing number:

3, 6, 5, 20, 7, 42, 9, _____

(a) 66
(b) 54
(c) 72
(d) 60

Answer: (c)

23. Complete the series choosing the missing number:

12, 32, _____, 152, 312

(a) 74
(b) 75
(c) 70
(d) 72

Answer: (d)

24. Complete the series choosing the missing number:

21, 25, 33, 49, _____

(a) 80
(b) 75
(c) 81
(d) 72

Answer: (c)

25. CANCELLED

Swami Vivekananda attended the conference of World Religions in 1903 at

(a) London
(b) New York
(c) Tokyo
(d) Chicago

Answer: (d)

27. Find the odd one out:

115, 100, 90, 70, 45, 15

(a) 100
(b) 90
(c) 45
(d) 70

Answer: (a)

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

aab__a__bb__a

(a) a, b, b
(b) a, b, a
(c) b, a, b
(d) b, a, a

Answer: (d)

30. A is taller than B who is shorter than C. D is taller than E but shorter than B. C is shorter than A. Who is the tallest?

(a) E
(b) C
(c) A
(d) D

Answer: (c)

32. How many 5-digit numbers can be formed with 0, 1, 2, 3, 5, which are divisible by 2?
    (a) 42
    (b) 24
    (c) 72
    (d) 60
    Answer: (a)

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

Statements:

Some thieves are robbers

All burglars are robbers

Conclusions:

I. Some burglars are thieves

II. Some robbers are thieves
    (a) both conclusion I and II follows
    (b) neither conclusion I nor conclusion II follows
    (c) only conclusion I follows
    (d) only conclusion II follows
    Answer: (d)

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

Statements:

All doctors are surgeons

Some doctors are homoeopaths

Conclusions:

I. Some homoeopaths are surgeons

II. All homoeopaths are surgeons
    (a) both conclusion I and II follows
    (b) neither conclusion I nor conclusion II follows
    (c) only conclusion I follows
    (d) only conclusion II follows
    Answer: (c)

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

Statements:

No charms are harms

No balms are harms

Conclusions:

I. No balms are charms

II. Some balms are charms

(a) both conclusion I and II follows
(b) either conclusion I or conclusion II follows
(c) only conclusion I follows
(d) only conclusion II follows

Answer: (b)

38. IfMONKEY is coded YEKNOM, then how is REMEDY coded?

(a) RDEMEY
(b) YEDEMR
(c) YDEMER
(d) YREMED

Answer: (c)

39. If VICTORY is coded YLFWRUB, then how [illegible]CESS coded?

(a) VXEEIVV
(b) VYEEIVV
(c) VXFFHVV
(d) VYFFHVV

Answer: (c)

40. Choose the number which is different from others in the group:

10, 21, 24, 26

(a) 21
(b) 24
(c) 26
(d) 10

Answer: (a)

Mental Ability and Mental Aptitude

9. During a certain military drill, when 6,440 soldiers were asked to line themselves in rows such that they maintain an equal numberof soldiers in each row to form a perfect square, it was found that 40 soldiers had been left out. In this case, how many soldiers were standing in each row?

(a) 40
(b) 80
(c) 64
(d) 60

Answer: (b)

10. In a college, out of 850 students, 230 play cricket; 250 hockey and 360 basketball. Of the total, if 75 play both basketball and hockey; 68 play cricket and basketball; 37 play cricket and hockey; and 30 play all the three games, how many students don't play any games at all?

(a) 140
(b) 160
(c) 130
(d) None of the above

Answer: (b)

11. Raman sells his old bicycle at Rs. 1280 and loses 20%. At what price would he have bought the bicycle?

(a) Rs. 1760
(b) Rs. 1600
(c) Rs. 1900
(d) Rs. 1650

Answer: (b)

12. The total age of A and B is 12 years more than the total age of B and C. C is how many year younger than A.

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

Answer: (d)

13. A and B can together finish a work in 30 days. They worked together for 20 days and then B left. After another 15 days, A finished the remaining work. In how many days A alone can finish the job?

(a) 45 days
(b) 30 days
(c) 40 days
(d) 35 days

Answer: (a)

14. Two pipes can fill a tank in 10 hrs and 12 hrs, respectively, while the third can empty it in 20 hrs. If all the pipes are opened together, how much time will it take for the tank to be filled up?

(a) 10 hrs
(b) 7.5 hrs
(c) 8 hrs
(d) 9.5 hrs

Answer: (b)

15. Ten men earn Rs.200 each per day. Find the average money earned per day by the 10 men when the money earned per day is halved for everyone.

(a) Rs.110
(b) Rs.105
(c) Rs.100
(d) Rs.115

Answer: (c)

16. Value of 2180 / 0.4 is: / 2180

(a) 5450
(b) 9550
(c) 7450
(d) 8245

Answer: (a)

17. Jay started a business investing Rs. 12,000. After four months, Ajay joined him with a capital of Rs. 16,000. At the end of the year, they made a profit of Rs. 5,100. What should Ajay's share be in the venture?

(a) Rs. 2,400
(b) Rs. 2,700
(c) Rs. 3,600
(d) Rs. 3,200

Answer: (a)

18. Mohan bought 5 dozen eggs at Rs. 20 per dozen, 7 eggs were broken. Find his percentage loss.

(a) 11.62%
(b) 12.65%
(c) 13.16%
(d) None of the above

Answer: (a)

19. A dealer marks his goods at 35 % above the cost price and allows a discount of 20 % on the marked price. Find his gain or loss percent.

(a) 6 %
(b) 7 %
(c) 8 %
(d) 5 %

Answer: (c)

20. If six workers are required to make 18 desks in 12 days; then, how many workers are required to make 36 desks in 24 days?

(a) 5
(b) 6
(c) 7
(d) 8

Answer: (b)

21. A man at present is 4 times as old as his son. In 20 years, if he will be only twice as old as his son, then the present age of the son is:

(a) 20 years
(b) 10 years
(c) 12 years
(d) 14 years

Answer: (b)

22. An aeroplane covers a certain distance at a speed of 240 kmph in 5 hr. To cover the same distance in 4 hr, it must travel at a speed of

(a) 280 kmph
(b) 300 kmph
(c) 325 kmph
(d) 275 kmph

Answer: (b)

23. Rahul is older than his Sister by 4 years. If the sum of the ages of Rahul and his Sister is the Square root of 324, then find the age of Rahul.

(a) 11
(b) 12
(c) 9
(d) 8

Answer: (a)

25. Find the average.

70, 76, 82, 88, 94 & 94

(a) 87

(b) 88

(c) 86

(d) 84

Answer: (d)

26. Today, the age of a father is thrice the age of his son. After 5 years, the age of father will be 2.5 times the age of his son. The age of son today is:

(a) 22 years

(b) 20 years

(c) 15 years

(d) 18 years

Answer: (c)

27. A person travels a distance of 30 km by car at a speed of 60 kmph and a distance of 50 km at a speed of 25 kmph by bus. What is the average speed?

(a) 25 kmph

(b) 30 kmph

(c) 32 kmph

(d) 40 kmph

Answer: (c)

28. Imran has Rs. 1,200 when he goes to the .. He buys 2 shirts for Rs. 350 each, a book for Rs. 110 and spends Rs. 75 on buying fruit. How much money is he left with?

(a) Rs. 315

(b) Rs. 180

(c) Rs. 285

(d) Rs. 390

Answer: (a)

29. A fun fair had an entry fee of Rs. 250. The fee was reduced by 20 % and the revenue from sale of tickets increased by 12 %. What is the percentage increase in number of visitors?

(a) 52 %

(b) 40 %

(c) 46 %

(d) 20 %

Answer: (b)

30. A student scores 90%, 66%, and 54% marks in the test paper with 100, 120, and 150 respectively as maximum marks. The percentage of his aggregate is:

(a) 72%
(b) 68%
(c) 65%
(d) 70%

Answer: (b)

Science and Simple Arithmetic

6. A biosphere reserve is divided into:

(a) Five zones
(b) Four zones
(c) Six zones
(d) Three zones

Answer: (d)

7. When acid is diluted, the concentration of hydronium ions in the solution _____.

(a) increases
(b) does not change
(c) decreases
(d) cannot be measured

Answer: (a)

8. If an angle 'x' of a parallelogram is 24° r tha .s adjacent angle, then the value of 'x' is:

(a) 110°
(b) 102°
(c) 98°
(d) 76°

Answer: (b)

9. If one member of a pythagorean triplet is 10, then the other two members are:

(a) 15 , 17
(b) 35 , 38
(c) 63 , 65
(d) 24 , 26

Answer: (d)

11. An object placed at the bottom of a tank filled with water appears to be at a depth smaller than its actual depth. This is due to:

(a) Dispersion
(b) Refraction
(c) Total internal reflection
(d) Reflection

Answer: (b)

12. The sum of three consecutive multiples of 7 is 840. The smallest of these multiples is:
(a) 350
(b) 273
(c) 266
(d) 252
Answer: (b)

13. The rate of flow of electric charges through a conductor is known as:
(a) Electric potential
(b) Electric current
(c) Electrical energy
(d) Electric power
Answer: (b)

15. The production of goods in a factory increased from 40000 to 50176 in two years. Find the annual rate of growth of production.
(a) 10%
(b) 12%
(c) 8%
(d) 5%
Answer: (b)

16. Both power and manure are provided by:
(a) Biogas power plants
(b) Hydroelectric power plants
(c) Thermal power plants
(d) Nuclear power plants
Answer: (a)

17. Which of the following statement is TRUE with respect to all living organisms?
(a) They expel waste products only
(b) They grow and reproduce more members of their species only
(c) All of the above
(d) They need food and convert it to obtain energy only
Answer: (c)

21. Which of the following is not true about cell theory?
(a) Old cells divide to give new cells
(b) All living things are made up of cells
(c) All cells are identical
(d) The structure of an organism depends on its cell organisation
Answer: (c)

22. One of the following sets does not qualify to be a species. Which is that set?
    (a) The different animals living in the neighbourhood
    (b) Humans living in Africa, America and Europe
    (c) Dogs belonging to different breeds – Alsatian, Labrador and Pomeranian
    (d) Different breeds of cows like Jersey and Holstein

    Answer: (a)

23. CANCELLED

After allowing a discount of 8% on the marked price, an article is sold for Rs.1288. Find its marked price.
    (a) Rs. 1354
    (b) Rs. 1345
    (c) Rs. 1542
    (d) Rs. 1518

    Answer: (a)

24. Acid rain is caused by oxides of_____.
    (a) phosphorus and carbon
    (b) sulphur and nitrogen
    (c) sulphur and phosphorus
    (d) nitrogen and carbon

    Answer: (b)

25. Alloys of which of the following metal a[illegible]used[illegible] making aeroplanes and automobile engine.
    (a) Iron
    (b) Aluminium
    (c) Mercury
    (d) Copper

    Answer: (b)

27. In the aquatic, food chain consisting of crane, phytoplanktons, tadpoles and fish, the position of crane is:
    (a) IV trophic level
    (b) II trophic level
    (c) I trophic level
    (d) III trophic level

    Answer: (a)

29. The diagonals AC and BD of a square ABCD meet at 'O'. If OC = 16cm, then BD = _____.
    (a) 30 cm
    (b) 32 cm
    (c) 16 cm
    (d) 28 cm

    Answer: (b)

30. The histogram depicts the marks obtained by 45 students of a class. How many students obtained 50 or more marks and less than 70?

(a) 16

(b) 19

(c) 15

(d) 18

Answer: (d)

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

Mental Ability and Mental Aptitude

9	**(b)**	10	**(b)**	11	**(b)**	12	**(d)**	13	**(a)**	14	**(b)**
15	**(c)**	16	**(a)**	17	**(a)**	18	**(a)**	19	**(c)**	20	**(b)**
21	**(b)**	22	**(b)**	23	**(a)**	25	**(d)**	26	**(c)**	27	**(c)**
28	**(a)**	29	**(b)**	30	**(b)**						

Science and Simple Arithmetic

6	**(d)**	7	**(a)**	8	**(b)**	9	**(d)**	11	**(b)**	12	**(b)**
13	**(b)**	15	**(b)**	16	**(a)**	17	**(c)**	21	**(c)**	22	**(a)**
23	**(a)**	24	**(b)**	25	**(b)**	27	**(a)**	29	**(b)**	30	**(d)**