PREVIOUS YEAR PAPER

MP Police Constable 2017 — 27 September 2017, Shift 1

MP Police Constable · 27 September 2017 · 09:00 AM

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

Left out of the original paper: 39 (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 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-2017-27-sep-shift-1/

General Knowledge and Logical Knowledge

1. Who has been selected as the new Vice Chancellor of Nalanda University?
   (a) Vijay Bhatkar
   (b) Sunaina Singh
   (c) George Yeo
   (d) Anup Bhatnagar
   Answer: (b)

2. _____ city will host the 105th Indian Science Cong ss (ISC) in 2018.
   (a) Bhopal
   (b) Surat
   (c) Raipur
   (d) Hyderabad
   Answer: (d)

3. Who is the Chief Minister of Uttarakhand state?
   (a) Harak Singh Rawat
   (b) Prakash Pant
   (c) Yashpal Arya
   (d) Trivendra Singh Rawat
   Answer: (d)

6. Which of the following state governments announced a complete ban on polythene bags in May 2017?
   (a) Chhattisgarh
   (b) Maharashtra
   (c) West Bengal
   (d) Madhya Pradesh
   Answer: (d)

7. Which country hosted the T20 Blind Cricket World Cup in 2017?

(a) Australia
(b) India
(c) Sri Lanka
(d) Pakistan

Answer: (b)

8. If ENGLISH is coded FOINLVL, then how is HISTORY coded?

(a) IJUVRUD
(b) IJUWRUC
(c) IJUVRUC
(d) IJUVRUB

Answer: (c)

9. If STATUE is coded NOVOPZ, then how is DIRECT coded?

(a) ZDMZXO
(b) ZCMZXO
(c) YDMZXO
(d) YCMZXO

Answer: (c)

10. If CORNER is coded GSVRIV, then how is CENTRA oded?

(a) GIRXVEP
(b) GNFJKER
(c) DNFJKEP
(d) DFOUSBM

Answer: (a)

11. George is fifth from the left, and Peter is twelfth from the right end in a row of children. If Peter shifts by three places towards George, he becomes tenth from the left end. How many children are there in the row?

(a) 24
(b) 23
(c) 21
(d) 22

Answer: (a)

12. If MYSORE is coded OREMYS, then how is CRADLE coded?

(a) DLECRA
(b) CRAELD
(c) ELDARC
(d) ARCDLE

Answer: (a)

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

Statements:

All cowgirls are extraterrestrials

Some cowgirls are not hamlets

Conclusions:

I. Some extraterrestrials are not hamlets

II. All hamlets are extraterrestrials

(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: (d)

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

Statements:

Some acrobats are lambs

All lambs are soldiers

Conclusions:

I. Some acrobats are soldiers

II. All lambs are acrobats

(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: (d)

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

Statements:

No fruit flies are catfishes

No elms are fruit flies

Conclusions:

I. All elms are catfishes

II. Some fruit flies are catfishes

(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)

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

Statements:

No insects are pants

Some pants are cowboys

Conclusions:

I. Some cowboys are insects

II. Some cowboys are not insects

(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)

17. If written backwards, the number 'Three thousand seven hundred and fifty two' would be written as:

(a) Five thousand seven hundred and twenty three
(b) Five thousand seven hundred and thirty two
(c) Two thousand five hundred and seventy three
(d) Two thousand seven hundred and fifty three

Answer: (c)

21. Who is the chairman of Railway Board?
    (a) Ghan Shyam Singh
    (b) Ashwani Lohani
    (c) Anil Kumar
    (d) Amitabh Kant
    Answer: (b)

22. Find the odd one out:
    (a) Patna
    (b) Hyderabad
    (c) Nagpur
    (d) Kolkata
    Answer: (c)

24. The Defence Services Staff College (DSSC) is located at _____.
    (a) Secunderabad
    (b) Wellington
    (c) Ajmer
    (d) Bhopal
    Answer: (b)

27. Hindola Mahal is located at _____.
    (a) Patalkot
    (b) Chanderi
    (c) Mandu
    (d) Khajuraho
    Answer: (c)

28. Where is Kapil Dhara waterfalls situated?
    (a) Orchcha
    (b) Dewas
    (c) Raisen
    (d) Amarkantak
    Answer: (d)

31. 'Harit Diwali, Swasth Diwali' campaign has been launched by _____.
    (a) Ministry of Culture
    (b) Ministry of New & Renewable Energy
    (c) Ministry of Tourism
    (d) Ministry of Environment, Forest & Climate Change
    Answer: (d)

32. Who was the Mughal emperor during the rebellion of 1857?

(a) Aurangzeb

(b) Akbar Shah II

(c) Sirajuddaulah

(d) Bahadur Shah Zafar

Answer: (d)

35. Who among the following is a famous painter and has been honoured with the Shikhar Samman in 1981?

(a) D.J. Joshi

(b) Vishnu Bhatnagar

(c) Syed Haider Raza

(d) V.S. Wakankar

Answer: (a)

36. The Public Service Delivery Guarantee Act was passed in Madhya Pradesh in the year_____.

(a) 2012

(b) 2008

(c) 2010

(d) 2014

Answer: (c)

37. Complete the series choosing the missing numbe

2, 6, 18, 54, _____

(a) 158

(b) 162

(c) 164

(d) 160

Answer: (b)

38. Complete the series choosing the missing number:

480, 120, 40, 20, _____

(a) 10

(b) 20

(c) 5

(d) 15

Answer: (b)

39. Complete the series choosing the missing number:

121, 143, 165, _____, 209

(a) 188
(b) 187
(c) 190
(d) 186

Answer: (b)

Mental Ability and Mental Aptitude

2. Find the average.

82, 84, 88, 96, 76 & 72

(a) 81
(b) 85
(c) 83
(d) 86

Answer: (c)

6. Raju's brother was 4 times older to him 8 years ago. His brother would be 2 times older to him four years from now. Find Raju's age.

(a) 16
(b) 14
(c) 8
(d) 32

Answer: (b)

7. Find A and B, if 2A + 3B = 21, A – B = 3.

(a) 3, 6
(b) 9, 6
(c) 6, 3
(d) 12, 9

Answer: (c)

11. Find the value of:

(5 * 2) – 5 + ((20 / 4) /10)

(a) 5.5
(b) 20
(c) 10
(d) 2

Answer: (a)

12. The difference of two numbers is 12 and 20 % of their sum is 12. Find out the numbers.

(a) 30 and 18

(b) 36 and 24

(c) 38 and 36

(d) 44 and 32

Answer: (b)

15. Ra o of ages of three persons is 4:7:9. Eight years ago, the sum of their ages was 56. Find their present ages.

(a) 16, 28, 27

(b) 16, 28, 36

(c) 12, 28, 36

(d) 16, 35, 36

Answer: (b)

16. If P : Q :: 2 : 7; Q : R :: 3 : 2; and R : S :: 1 : 4; then, P : S :: ?

(a) 3 : 28

(b) 3 : 8

(c) 2 : 8

(d) 2 : 21

Answer: (a)

17. Goldberg sold his villa for USD 20,400 at a loss of %. What would have been the selling price if he were to earn a profit of 15% on its sale?

(a) USD 27,600

(b) USD 24,600

(c) USD 24,000

(d) USD 26,400

Answer: (a)

18. The average of two numbers is 32. If 6 is subtracted from the larger number, then the ra o becomes 5 : 3. The larger number is:

(a) 42.25

(b) None of the above

(c) 48.23

(d) 52.51

Answer: (a)

19. The length of a rectangle increased by 20%, and its breadth decreased by 20%. What is the change in its area?

(a) No change

(b) None of the above

(c) Decrease by 4%

(d) Increase by 4%

Answer: (c)

23. If a pen is sold at list price, it will fetch a profit of 20 %. When a discount of 10 % is offered on list price, it will fetch a profit of:

(a) 12.5 %
(b) 8 %
(c) 12 %
(d) 10 %

Answer: (b)

24. A wire is shaped into a circle of radius 7 m. If the same wire is reshaped into a square, find the area of the square.

(a) 44
(b) 49
(c) 11
(d) 121

Answer: (d)

25. How much will 15 men earn in 6 days, if 12 men earn Rs. 840 in 7 days?

(a) Rs. 900
(b) Rs. 880
(c) Rs. 940
(d) Rs. 970

Answer: (a)

29. The least number that must be subtracted from so that the remainder is exactly divisible by 41 is:

(a) 29
(b) 17
(c) 23
(d) 35

Answer: (a)

30. The average age of a class of 30 students is 20 years. When 5 new students joined the class, the average age of the class increased by 0.3 years. Find the total age of the new students. / 30

(a) 100 yrs
(b) 120.5 yrs
(c) 110.5 yrs
(d) 115 yrs

Answer: (c)

Science and Simple Arithmetic

6. A man is 26 years older than his son. In 3 years his age will be twice the age of his son. The present age of the father is:

(a) 49 years
(b) 40 years
(c) 46 years
(d) 42 years

Answer: (a)

7. Find the amount on Rs. 32000, when compounded semi-annually for 1 ½ years at the rate of 10 %.

(a) Rs. 41044
(b) Rs. 39044
(c) Rs. 37044
(d) Rs. 40000

Answer: (c)

10. The complement of an angle is one-fourth of its supplement. The angle will be:

(a) 60°
(b) 65°
(c) 45°
(d) 55°

Answer: (a)

11. The cube root of (0.512) is:

(a) 0.8
(b) 0.6
(c) 0.5
(d) 0.7

Answer: (a)

13. The difference of the largest possible 4-digit number (no digits repeated) and the smallest possible 4-digit number (no digits repeated) will be:

(a) 7089
(b) 9899
(c) 10000
(d) 8853

Answer: (d)

14. The smallest number by which 3150 should be divided to get the quotient as a perfect square is:

(a) 14
(b) 7
(c) 21
(d) 28

Answer: (a)

17. Which of the following has a thin layer of cytoplasm with a large central vacuole?
    (a) Bacteria
    (b) Virus
    (c) Animal cell
    (d) Plant cell
    Answer: (d)

19. Which one of the following is NOT a member of the solar system?
    (a) Comet
    (b) Pole star
    (c) Satellite
    (d) Constellation
    Answer: (d)

20. Loss of water vapour from the surface of the leaves is called _____.
    (a) Transpiration
    (b) Transportation
    (c) Translocation
    (d) Evaporation
    Answer: (a)

21. A heavenly body burning like a star and rushing tc rds the earth is known as:
    (a) Sirius
    (b) Comet
    (c) Satellites
    (d) Meteor
    Answer: (d)

22. Why did Rutherford choose gold and not any other element for his experiment?
    (a) Due to its high conductivity
    (b) Due to its high density
    (c) Due to its high malleability
    (d) Due to its high ductility
    Answer: (c)

23. Iron vessels are coated with tin to:
    (a) Increase the strength
    (b) Increase weight
    (c) Prevent rusting
    (d) Give better shining
    Answer: (c)

24. Amoeba acquires its food through a process called_____.

(a) Plasmolysis
(b) Endocytosis
(c) Endosmosis
(d) Exocytosis

Answer: (b)

25. The openings in a cockroach's body through which it takes in air in its body for respiration are called_____.

(a) spiracles
(b) hydathodes
(c) trachea
(d) nostrils

Answer: (a)

26. Identify the feature that is not applicable to ploughing.

(a) It allows the roots to penetrate deep into the soil.
(b) It allows the roots to breathe and brings the nutrient rich soil to the top.
(c) It helps in the growth of earthworms and microbes.
(d) It protects the crops from getting affected by pests.

Answer: (d)

27. Identify the high yielding breed of buffalo from th llowing.

(a) Sahiwal
(b) Karan fries
(c) Jersey
(d) Murrah

Answer: (d)

28. Identify the correct order of the processes used in the purification of water before supplying it as drinking water?

(a) Loading, filtration, chlorination, sedimentation
(b) Sedimentation, loading, filtration, chlorination
(c) Filtration, sedimentation, loading, chlorination
(d) Chlorination, loading, filtration, sedimentation

Answer: (b)

29. Spot the WRONG statement about phloem tissue.

(a) They are living
(b) They have thin walled cells
(c) They transport water and minerals from roots to other parts
(d) They transport food from leaves to other parts

Answer: (c)

30. Spot the CORRECT one.

(a) Cells > organelles > organ > organism

(b) Cells > molecules > organelles > organism

(c) Cells > tissues > organ > organ system > organism

(d) Atoms > cells > organ system > organism

Answer: (c)

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)**	6	**(d)**	7	**(b)**	8	**(c)**
9	**(c)**	10	**(a)**	11	**(a)**	12	**(a)**	13	**(d)**	14	**(d)**
15	**(a)**	16	**(c)**	17	**(c)**	21	**(b)**	22	**(c)**	24	**(b)**
27	**(c)**	28	**(d)**	31	**(d)**	32	**(d)**	35	**(a)**	36	**(c)**
37	**(b)**	38	**(b)**	39	**(b)**						

Mental Ability and Mental Aptitude

2	**(c)**	6	**(b)**	7	**(c)**	11	**(a)**	12	**(b)**	15	**(b)**
16	**(a)**	17	**(a)**	18	**(a)**	19	**(c)**	23	**(b)**	24	**(d)**
25	**(a)**	29	**(a)**	30	**(c)**						

Science and Simple Arithmetic

6	**(a)**	7	**(c)**	10	**(a)**	11	**(a)**	13	**(d)**	14	**(a)**
17	**(d)**	19	**(d)**	20	**(a)**	21	**(d)**	22	**(c)**	23	**(c)**
24	**(b)**	25	**(a)**	26	**(d)**	27	**(d)**	28	**(b)**	29	**(c)**
30	**(c)**										