PREVIOUS YEAR PAPER

MP Police Constable 2016 — 31 July 2016, Shift 1

MP Police Constable · 31 July 2016 · 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 31 July 2016, 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-2016-31-jul-shift-1/

General and Logical Knowledge

1. Lion reintroduction project is in the _____ sanctuary

(a) Kanha
(b) Kuno Palpur
(c) Van Vihar
(d) Shoolpaneshwar

Answer: (b)

2. A manufacturer has 3 products in his portfolio- A, B, C. They are manufactured in batches, as the cost of changing from one product to another is quite high. A can be produced at a rate of 1000 units per month, B at a rate of 800 per month and C at 700 per month. Once a product is taken up for manufacturing it will be continued for at least 2 months and a product is manufactured only once (one batch) in a year. At a time only one product can be manufactured. Products have to be manufactured before their respective demand season starts. Product A demand always happens between January and May, B between April and September and C between August and January.

What is the latest month for start of production of B every year if demand for next year to follow for A, B and C are forecasted as 3000, 2000 and 1500?

(a) February
(b) March
(c) January
(d) December

Answer: (c)

3. Who is the highest Law officer of a state?

(a) Attorney General
(b) Advocate General
(c) Solicitor General
(d) Secretary General Law Department

Answer: (b)

4. If P is the father of R and Q is the sister of R, R is the _____ of Q.
   (a) brother
   (b) sister
   (c) cousin
   (d) cannot be determined
   Answer: (d)

6. In India, what took place between 25 October 1951 and 21 February 1952?
   (a) First Test series
   (b) First general elections
   (c) First census
   (d) The Kumbh Mela
   Answer: (b)

7. The international airport at Nagpur is named after which former law minister of India?
   (a) B.R. Ambedkar
   (b) Maulana Azad
   (c) Mahatma Gandhi
   (d) Dr. Rajendra Prasad
   Answer: (a)

8. Find out the pair which is different from the other ir e following question.
   (a) Air and oxygen
   (b) Teacher and Student
   (c) Mathematics and geometry
   (d) Flower and petal
   Answer: (b)

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

Statements:

All plates are saucers

No saucer is a cup

Conclusions:

I. No plate is a cup

II. No cup is a plate
   (a) Only conclusion I follows
   (b) Only conclusion II follows
   (c) Both conclusion I and II follows
   (d) None of the conclusion I or II follows
   Answer: (a)

11. Gwalior Gharana, one of the oldest Gharanas follows which form of Hindustani classical music?
    (a) Dhrupad
    (b) Khyal
    (c) Thumri
    (d) Tarana
    Answer: (b)

14. Who is the youngest and oldest Chief Minister of his state?
    (a) Prakash Singh Badal
    (b) ND Tiwari
    (c) Amrinder Singh
    (d) Bhagat Singh Koshiyari
    Answer: (a)

15. The "Hussain Sagar Lake" is found in
    (a) Udaipur
    (b) Mount Abu
    (c) Hyderabad
    (d) None of the above
    Answer: (c)

17. The holy river that is the site for the "Simhastha Ku Mela"
    (a) Narmada
    (b) Sindu
    (c) Shipra
    (d) Ganga
    Answer: (c)

18. If nuclear weapon means hallucinations, and it's not hallucinating, then it's nuclear weapon.
    (a) True
    (b) False
    (c) Maybe
    (d) Irrelevant
    Answer: (b)

19. Which of the following districts does NOT belong to Shahdol division?
    (a) Shahdol
    (b) Anuppur
    (c) Umaria
    (d) Dindori
    Answer: (d)

20. The National Aquatic Animal of India is
    (a) River Dolphin
    (b) Golden Mahseer
    (c) Olive Ridley Turtle
    (d) Hilsa
    Answer: (a)

21. A, B, C, D, E and F are cousins, No two cousins are of the same age, but all have birthdays on the same date. The youngest is 17 years old and the oldest E is 22. F is somewhere between B and D in age. A is older than B. C is older than D.

Which of the following is NOT possible?
    (a) D is 20 years old.
    (b) F is 18 years old.
    (c) F is 19 years old.
    (d) F is 20 years old.
    Answer: (d)

22. The chairman of the Rajya Sabha has
    (a) no right to vote
    (b) a right to vote in case of a tie
    (c) voting right in all the matters
    (d) a right to vote only on amendment bills
    Answer: (b)

23. Which Hindi poet from Madhya Pradesh is the author of 'Brahmarakshas'?
    (a) Gajanan Muktibodh
    (b) Rahat Indori
    (c) Uday Prakash
    (d) Mrinal Pandey
    Answer: (a)

25. What is the maximum number of Arjuna awards that can be given in a year?
    (a) 10
    (b) 15
    (c) 25
    (d) 30
    Answer: (b)

26. The Brahmosamaj was started by
    (a) Raja Ram Mohan Roy
    (b) Bal GangadharTilak
    (c) SavitribaiPhule
    (d) JyotibaPhule
    Answer: (a)

28. How many times 'A' exceeds 'E' in the word 'EXTRAUAGANCE'?
    (a) 1
    (b) 2
    (c) 3
    (d) 4
    Answer: (a)

29. Which one of the following is the guardian of Fundamental Rights?
    (a) Legislature
    (b) Executive
    (c) Bureacracy
    (d) Judiciary
    Answer: (d)

30. _____ is the largest single block of tidal halophytic mangrove forest in the world.
    (a) Sundarbans
    (b) Madhu foreest
    (c) Vandalur Reserve forest
    (d) Bhitarkanika Mangroves
    Answer: (a)

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

Statements:

All flowers are roses

No rose is red

Conclusions:

I. Some flowers are red

II. No flower is red
    (a) Only conclusion I follows
    (b) Only conclusion II follows
    (c) Both conclusion I and II follows
    (d) None of the conclusion I or II follows
    Answer: (b)

32. _____ is the orange city.
    (a) Pune
    (b) Nagpur
    (c) Patiala
    (d) New Delhi
    Answer: (b)

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

Statements:

Some watches are bands

All bands are bracelets

Conclusions:

I. All bracelets are bands

II. Some bracelets are watches

(a) Only conclusion I follows
(b) Only conclusion II follows
(c) Both conclusion I and II follows
(d) None of the conclusion I or II follows

Answer: (b)

36. Which is the oldest book of Ayurveda?

(a) Charaka Samhita
(b) Shushruta Samhita
(c) Atharva Veda
(d) Mundaka Upanishad

Answer: (a)

38. The accused is more powerful than the de[illegible]e police is less powerful than the court but more powerful than the lawyer. The accused bows his head in presence of the police. Who is the most powerful?

(a) Police
(b) Lawyer
(c) Court
(d) Accused

Answer: (c)

39. Directions: On the shelf are placed six volumes side by side labeled A, B, C, D, E and F. Three volumes C, B and E have blue covers while the rest have red covers. D and F are new volumes while the rest are old volumes. A, C and D are law reports while the rest are gazetteers.

Which two volumes are old Gazetteers and have blue covers?

(a) B&F
(b) B&E
(c) B&C
(d) E&F

Answer: (b)

40. The Constitution of India was passed by the Constituent Assembly on-

(a) October 17, 1949
(b) November 14, 1949
(c) November 26, 1949
(d) January 26, 1950

Answer: (c)

Mental Ability and Mental Aptitude

1. Complete the series choosing the missing number:

2,5,11,___,47

(a) 20
(b) 22
(c) 23
(d) 25

Answer: (c)

2. If STAR is coded as RSZQ, then PARK will be coded as

(a) QBSL
(b) OZQJ
(c) STAR
(d) SCTM

Answer: (b)

7. In the following question, one term in the nu[illegible]eries is wrong. Find out the wrong term.

(a) 48
(b) 16
(c) 2
(d) 8

Answer: (a)

8. Complete the series choosing the missing number:

2,15,41,80,_____

(a) 111
(b) 120
(c) 121
(d) 132

Answer: (d)

10. If one number is 80% of the other and the sum of their squares is 164. The numbers are

(a) 4,5

(b) 8,10

(c) 16,20

(d) None of these

Answer: (b)

11. A dealer bought a watch for Rs. 420. Find his selling price, if he sold it at a loss of 5%?

(a) Rs.499

(b) Rs.399

(c) Rs.299

(d) Rs.199

Answer: (b)

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

(a) 55%

(b) 50%

(c) 52%

(d) 48%

Answer: (a)

16. Complete the series choosing the missing letter

_ noo _ m _ noo _ mnno _

(a) nmnmo

(b) nnmmo

(c) nmmno

(d) nnmoo

Answer: (a)

20. A man traveled a distance of 61 km in 9 hours. He traveled partly on bicycle at 9 km / hr and on foot at 4 km/hr. The distance traveled on foot is

(a) 16 km

(b) 25 km

(c) 30 km

(d) 45 km

Answer: (a)

21. The average of numbers between 1 and 100 which are multiples of 7 is

(a) 52

(b) 53

(c) 52.5

(d) 53.5

Answer: (c)

24. Mohammed brought a television set for Rs. 12,000.Later sold it for Rs. 10,000.What is his loss percent?

(a) 16.5%
(b) 17.5%
(c) 16.4%
(d) 14.5%

Answer: (c)

25. 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) carz
(c) beta
(d) lemp

Answer: (a)

27. Complete the series choosing the missing letter

_ c _ bbc _ b _ cc _ _ ccbb

(a) bccbbb
(b) bcccbb
(c) aaaaba
(d) bbbbbb

Answer: (a)

30. 7x=-21 the value of x

(a) -2
(b) -1
(c) -3
(d) 0

Answer: (c)

Science and Simple Arithmetic

1. The projections of varying lengths protruding out of amoeba, which facilitates movement and capture of food are

(a) Cilia
(b) Flagella
(c) Pseudopodia
(d) None of the above

Answer: (c)

2. The normal body temperature of human beings is generally 98.60 on the Fahrenheit scale. What would be the temperature on the Celsius scale ?

(a) 100 0C
(b) 35 0C
(c) 370C
(d) 98.6 0C

Answer: (c)

5. Combination of two or more cells is called

(a) Battery
(b) Torch
(c) Inverter
(d) Circuit

Answer: (a)

6. The constituents of urine are,

(a) 95% water, 2.5% of urea and 2.5% of other waste products
(b) 80% of water. 10% of urea and 10 % of other waste products
(c) 90% of water, 5% of urea and 5% of other waste products
(d) 98% water, 1% of urea and 1% of other waste products

Answer: (a)

8. Meera and Mamatha invested in a business. They ned some profit which they divided in the ratio of 2: 3. If Meera invested Rs. 40000, the amou nvested by Mamatha is:

(a) Rs. 50000
(b) Rs. 80000
(c) Rs. 60000
(d) Rs. 45000

Answer: (c)

9. PQRS is a rectangle with PQ = RS = 91 cm, QR = PS = 9 cm. Find the perimeter of PQRS

(a) 200 cm
(b) 100 cm
(c) 50 cm
(d) 819 cm

Answer: (a)

10. Which metal is present in the exhaust gases given out by automobiles?

(a) Iron
(b) Zinc
(c) Magnesium
(d) Lead

Answer: (d)

13. The movie viewership pattern of a sample of 4000 Bangaloreans is tabulated below. The pie chart also gives age-wise distribution of the 4000 Bangaloreans.

How many children in the sample saw Finding Nemo?

(a) 278
(b) 264
(c) 238
(d) 198

Answer: (c)

16. The movie viewership pattern of a sample of 4000 Bangaloreans is tabulated below. The pie chart also gives age-wise distribution of the 4000 Bangaloreans.

How many people saw DDLJ?

(a) 1260
(b) 1618
(c) 1816
(d) 1714

Answer: (c)

17. The movie viewership pattern of a sample of 4000 Bangaloreans is tabulated below. The pie chart also gives age-wise distribution of the 4000 Bangaloreans.

How many persons below 25 years saw Titanic?

(a) 346
(b) 371
(c) 378
(d) 439

Answer: (d)

18. Adhithya developed pimples on his face at puberty. This is due to_____

(a) Poor hygiene
(b) Lack of balanced diet
(c) Increased activity of skin glands
(d) Poor immunity

Answer: (c)

19. The tracheal respiration is seen in

(a) Frogs
(b) Insects
(c) Earthworms
(d) Fish

Answer: (b)

21. A farmer grows 2 kinds of crops in his field. One of the crops is a leguminous pea. Which of the following minerals will the soil contain naturally by this particular combination of cropping?

(a) Nitrogen
(b) Phosphorus
(c) Potash
(d) Iron

Answer: (a)

23. The thickness of gold leaf is about 0.0000125 cm. This is represented in the standard form as _____ m.

(a) 1.25 × 10-5 m
(b) 1.25 × 10-6 m
(c) 1.25 × 10-8 m
(d) 1.25 × 10-7m

Answer: (d)

24. What is Bed Rock

(a) The place where animals sleep
(b) It is the rocky mountain
(c) Deepest layer of soil which is hard
(d) Horizon with small lumps of rocks

Answer: (c)

28. The movie viewership pattern of a sample of 40 Bangaloreans is tabulated below. The pie chart also gives age-wise distribution of th 1000 ngaloreans.

How many people over the age of 25 saw DDLJ?

(a) 678
(b) 906
(c) 840
(d) 726

Answer: (b)

29. CFC is the abbreviation for

(a) carbonflurochloride
(b) cobaltflurocarbon
(c) carbonfluorocyanide
(d) chloroflurocarbon

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 and Logical Knowledge

1	**(b)**	2	**(c)**	3	**(b)**	4	**(d)**	6	**(b)**	7	**(a)**
8	**(b)**	9	**(a)**	11	**(b)**	14	**(a)**	15	**(c)**	17	**(c)**
18	**(b)**	19	**(d)**	20	**(a)**	21	**(d)**	22	**(b)**	23	**(a)**
25	**(b)**	26	**(a)**	28	**(a)**	29	**(d)**	30	**(a)**	31	**(b)**
32	**(b)**	33	**(b)**	36	**(a)**	38	**(c)**	39	**(b)**	40	**(c)**

Mental Ability and Mental Aptitude

1	**(c)**	2	**(b)**	7	**(a)**	8	**(d)**	10	**(b)**	11	**(b)**
13	**(a)**	16	**(a)**	20	**(a)**	21	**(c)**	24	**(c)**	25	**(a)**
27	**(a)**	30	**(c)**								

Science and Simple Arithmetic

1	**(c)**	2	**(c)**	5	**(a)**	6	**(a)**	8	**(c)**	9	**(a)**
10	**(d)**	13	**(c)**	16	**(c)**	17	**(d)**	18	**(c)**	19	**(b)**
21	**(a)**	23	**(d)**	24	**(c)**	28	**(b)**	29	**(d)**		