



15P/48



**LIMITED DEPARTMENTAL COMPETITIVE EXAMINATION FOR SELECTION AS
POSTMAN/MAIL GUARD IN KERALA CIRCLE**

Instructions:

- There are altogether 100 questions in four Parts
- Total time allotted is 90 minutes
- Write the Question Set No. for each Part in the Answer sheet
- All the questions carry equal marks.

PART A – GENERAL KNOWLEDGE

Question Set No.2

1. A man travels 1 Km east and turns to his right. After travelling 1 km , he again turns to the right. In which direction he is going?
a. North b. East c. South d. West
2. 60 metre of a wire weighs 80 kg. What will be the weight of 141 metres of the same wire?
a. 120 kg b. 145 kg c. 188 kg d. 155 kg
3. Working 7 hours daily ,24 men can complete a piece of work in 27 days. In how many days would 14 men complete the same piece of work by working 9 hours daily?
a. 32 days b. 31 days c. 36 days d. 39 days
4. What is the expansion of the term WAN in computer terminology
a. Wide Area Network
b. Wide Angle Network
c. Wide Application Network
d., Word Application Node
5. The Kaziranga National Park, famous for the one horned Rhino is in
a. Uttar Pradesh b. West Bengal c. Sikkim d. Assam
6. In a class of 60 students, where the girls are twice as that of the boys, Kamal Ranked seventeenth from the top. If there are 9 girls ahead of Kamal, the number of boys after him are:
a. 3 b. 7 c. 12 d. 13
7. Which is the largest lake in India
a. Nainital b. Sambhar c. Sishram d. Chilika

8. Kuchipudi is the dance of which state?
a. Andhra Pradesh b. Kerala c. Karnataka d. Tamil Nadu
9. The 'Dronacharya' award is associated with
a. Eminent surgeons b. Famous artists c. Sports Coaches d. cricketers
10. ABE: 8 :: KLO: ?
a. 37 b. 38 c. 39 d. 36
11. Who was the first British Governor General of Free India
a. Warren Hastings
b. Lord Louis Mountbatten
c. Lord Minto
d. Lord Irwin
12. Among five friends, Mangala is taller to Neela, but as tall as Pushpa. Asha is taller to Sapna, but not as tall as Neela. In this group, who is the shortest?
a. Mangla
b. Sapna
c. Pushpa
d. Asha
13. Who has coined the word "non-aligned" and used it to represent a doctrine at United Nations, even before the Non Aligned Movement was founded?
a. Jawaharlal Nehru
b. V.K. Krishna Menon
c. Sukarno
d. Josip Broz Tito
14. Which country has recently test fired the intercontinental ballistic missile called Dongfeng-41?
a. North Korea b. Japan c. China d. Vietnam
15. The study of earthquake and associated phenomena is known as
a. Selenology b. Seismology c. Tectonics d. Teleology
16. What is the unit of measuring atmospheric pressure
a. Bar b. Quintal c. Calorie d. Joule
17. The light receptive layer in the eye is known as
a. Cornea b. Retina c. Auricles d. Pupil

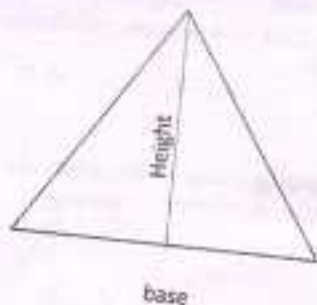


18. The name of the particle "boson" is associated with the name of
- J.C. Bose
 - S.N. Bose
 - Isaac Newton
 - Albert Einstein
19. Who was the founder of Lodhi Dynasty?
- Sikander Lodhi
 - Bahlol Lodhi
 - Ibrahim Lodhi
 - Daulat Khan Lodhi
20. The title "Punjab Kesari" was conferred on
- Ranjit Singh
 - Bhagat Singh
 - Lala Lajpat Rai
 - Sardar Baldev Singh
21. Who administers the oath of office to the President of India?
- Chief Justice of India
 - Speaker of Lok Sabha
 - Prime Minister of India
 - Vice-President
22. Who is the author of the book "The Inheritance of Loss"?
- Arundhati Roy
 - Kiran Desai
 - Jhumpa Lahiri
 - Kiran Bedi
23. Which is the capital of Laos?
- Vientiane
 - Riga
 - Bishkek
 - Beirut
24. Three of the following four are alike in a certain way and form a group. Which is the one that does not belong to the group
- Break
 - Split
 - Separate
 - Change
25. Pointing to a lady, a man told "the son of her only brother is the brother of my wife". How is the lady related to the man?
- Mother-in-law
 - Sister of Father-in-law
 - Maternal aunt
 - Mother's sister

PART B – MATHEMATICS

Question Set No.2

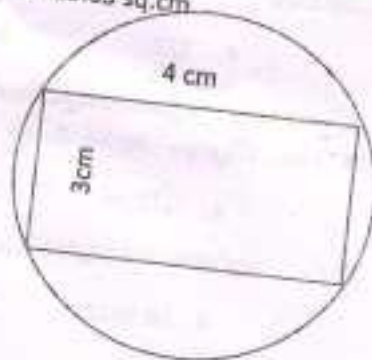
1. A tomb is being constructed using bricks. 5000 bricks were used for the foundation steps. 4875 bricks were required in the second step, 4750 in the third step and so. the tomb has 20 steps. Find the total number of bricks used to construct the steps
 a. 76250 b. 78520 c. 77230 d. 75270
2. The sum of a number and 5, multiplied by 4 gives 36. What is the number?
 a. 5 b. 7 c. 4 d. 8
3. A pavement of 2 metres wide runs around a square ground. The total area of the ground and the pavement is 1225 m^2 . what is the area of the ground?
 a. 961 m^2 b. 1521 m^2 c. 1225 m^2 d. 1125 m^2
4. A ladder is placed in such a way that its foot is at a distance of 5 meter from the wall and its top reaches a window 12 meter above the ground, what is the length of the ladder?
 a. 13 m b. 17 m c. 7 m d. 10 m
5. In a right angled triangle, one of the perpendicular side is 5 centimetres longer than the other side and its area is 12 cm^2 . What are the length of its perpendicular sides?
 a. 4 and 8 cm b. 3 and 6 cm c. 4 and 6 cm d. 3 and 8 cm
6. If the total number of diagonals of a polygon should be 77, how many sides this polygon should have?
 a. 11 b. 14 c. 22 d. 18
7. An isosceles triangle as shown below is to be made. Height should be 2 metres less than the base and area should be 12 m^2 . What should be the length of the sides



- a. 5 metres
 b. 6 metres
 c. 4 metres
 d. 7 metres
8. The members of the mathematics club shook hands once with each of the other members. a total of 780 shake hand took place, find how many members are there in the club?
 a. 40 b. 50 c. 35 d. 60

9. The angles in a polygon are in the arithmetic progression $172^\circ, 168^\circ, 164^\circ$. How many sides the polygon has
 a. 12 b. 15 c. 16 d. 18
10. There are two taps opening into a tank. If both taps are opened, the tank will fill in 12 minutes. The time taken for filling the tank with only the small tap open is 10 minutes more than the time for filling the tank with the large tap open. What is the time taken to fill the tank with only the small tap open?
 a. 20 minutes b. 30 minutes c. 25 minutes d. 35 minutes
11. What is the roman numeral of 1000
 a. L b. M c. C d. D
12. What is the roman numeral of 500
 a. L b. M c. C d. D
13. What is the roman numeral of 100
 a. L b. M c. C d. D
14. Which of the following is not an arithmetic progression?
 a. 3, 5, 7, 9, ...
 b. 1000, 1060, 1120, 1180, ...
 c. 3, 9, 21, 45, ...
 d. 9.8, 19.6, 29.4, 39.2, ...
15. When the length of each side of square was increased by 5 centimetres, its perimeter became 36 centimetres. What was the length of the side of the original square?
 a. 9 b. 5 c. 4 d. 3
16. The first term of an arithmetic sequence is 2 and the common difference is 5. what is the 13th term?
 a. 62 b. 67 c. 60 d. 58
17. A scientist travelled 300 km to attend a conference. If the average speed of his trip has been increased by 10 km per hour, he would have reached the conference hall one hour earlier. What was the average speed of his trip?
 a. 60 km per hour
 b. 65 km per hour
 c. 50 km per hour
 d. 55 km per hour
18. A rectangle is to be made with perimeter 100 centimetres and area 525 square centimetres. What should be the length of its sides?
 a. 25cm and 25cm
 b. 35 cm and 15 cm
 c. 60 cm and 40 cm
 d. 30 cm and 20 cm

19. Mr Ram deposits Rs 1000.00 in a bank in which he earns 6% simple interest compounded annually. What will be the amount at the beginning of next 3 years
- a. 1060, 1120, 1180,....
b. 1060, 1124, 1191.....
c. 1060, 1126, 1197...
d. 1066, 1126, 1196.....
20. There are 50 mangoes in a basket, in which 20 are not ripe. In another basket there are 40 mangoes with 15 of them not ripe. If one mango is taken from each basket, what is the probability of getting at least one ripe mango?
- a. 0.50
b. 0.75
c. 0.85
d. 0.92
21. A person travels 10M towards east and then 30 M towards north, the distance of the person from his starting point is :
- a. 31.62m
b. 32.63m
c. 30.62m
d. 31.0m
22. The 3rd term of an arithmetic sequence is 10 and its 8th term is 25. What are the 4th and 13th term of the sequence
- a. 16 and 43
b. 13 and 40
c. 14 and 37
d. 13 and 42
23. Two slips of paper marked 1 and 2 are put in a box and three slips marked 1,2 and 3 are put in another. One slip from each box is drawn. What is the probability that both show odd numbers?
- a. $\frac{1}{3}$
b. $\frac{1}{5}$
c. $\frac{2}{3}$
d. $\frac{2}{5}$
24. What is the curved surface area of a cone of base radius 12 cms and slant height 25 cms
- a. 842 cm^2
b. 745 cm^2
c. 942 cm^2
d. 932 cm^2
25. What is the area of the circle shown below?
- a. 16 Sq.cm
b. 15 sq.cm
c. 18.25 sq.cm
d. 19.63 sq.cm



PART - C (I) : ENGLISH

Question Set No. 2

Choose the correct word

1. Ram come tomorrow
a. is b. will c. Was d. Has
2. The Prime Minister is now Britain
a. in b. on c. under d. Over
3. I could not attend the office of fever
a. since b. so c. Because d. Therefore
4. You will fail you study hard
a. if b. because c. As d. Unless
5. Opposite of PROPER is
a. disproper b. unproper c. Improper d. inproper

Read the set of words below and select the odd word in each set

6	a. Puzzled	b. Confused	c. Pathetic	d. Perplexed
7	a. Ecstatic	b. Sad	c. Unhappy	d. Miserable
8	a. Stubborn	b. Obstinate	c. Sorrow	d. Stern
9	a. Lance	b. Sword	c. Spear	d. Bread
10	a. Riddle	b. Puzzle	c. Brain teaser	d. Puddle

Choose a suitable one word substitute from the given options for the underlined words in the given sentences .

11. The train made a loud unpleasant noise as it drew out of the station.
a. wailed, b. lurid, c. composed, d. Screeched
12. She carefully prepared a memorandum
a. wailed, b. lurid, c. composed, d. Screeched
13. 'But what shall we do?' Ramesh said in a loud, sad and complaining way
a. wailed, b. lurid, c. composed, d. Screeched
14. He gave me a deliberately shocking description of the accident.
a. wailed, b. lurid, c. composed, d. Screeched



15. The salesman was cheerful and friendly, hence he could sell off his products easily.
- a. wailed, b. lurid, c. composed, d. genial

Choose one word for the following phrases from the options given against each

16. Disrespectful behaviour
a. Insolent b. Reverential c. Humble d. Courteous
17. Betrayal of one's own country
a. Loyalty b. Treason c. Allegiance d. Fidelity
18. A loud uproar from a crowd of people
a. Clap b. Clamour c. Clare d. Chord
19. A thing of value or property that a person or company owns
a. Share b. Fund c. Asset d. Stock
20. A public performance of music
a. Program b. Concept c. Concert d. function

Fill in the blanks in the following sentence with appropriate forms of the phrases given

21. Rahul _____ immense amount of money to charity.
a. feel at ease b. in order to c. give away d. get something out of
22. _____, Radha was listening to music even though she pretended to read.
a. in truth b. feel at ease c. in order to d. get something out of
23. I don't know whether people _____ listening to deafeningly loud music.
a. feel at ease b. in order to c. give away d. get something out of
24. Nurses at the hospital do all they can to make the patients _____.
a. in truth b. feel at ease c. in order to d. give away
25. They left for the town _____ purchase some clothes.
a. in truth b. feel at ease c. in order to d. give away