

Karnataka PGCET 2022 MCA Question Paper

PART - 1

Each Question Carries one mark.

1. Where is the oldest music college of Madhya Pradesh 'Madhav Sangeet College' located?

- A. Raipur
- B. Indore
- C. Bhopal
- D. Gwalior

2. The Reserve Bank of India was established in the year

- A. 1930
- B. 1935
- C. 1947
- D. 1951

3. In India, non-agriculture income tax is

- A. Levied by Centre and fully distributed among States
- B. Levied by States
- C. Levied and appropriated by Centre
- D. Levied by Centre and shared with States

4. Which of the following states is industrially most advanced state in India?

- A. Punjab
- B. Tamil Nadu
- C. Gujrat
- D. Maharashtra

5. Golden Quadrilateral Project of India joins _____

- A. Delhi--Mumbai--Chennai--kolkata
- B. Delhi--Jhansi--Bangalore--Kanyakumari
- C. Srinagar--Delhi--kanpur--kolkata
- D. Porbandar--Bangalore--kolkata--kanpur

6. Select the pair that best expresses a relationship between similar to that expressed in this pair

Petal:Flower

- A. Salt:Pepper
- B. Tyre:Bicycle
- C. Base:Ball
- D. Sandals:Shoes

7. Mark the correct meaning out of four choices:Cartographer

- A. One who draws cartoons
- B. One who draws maps
- C. One who engraves on stones
- D. One who erects monuments

8. Pick out the best one that completes the statement:

I was so annoyed that _____

- A. I completely lost my temper
- B. I became very enthusiastic
- C. I completely lost my indifference
- D. I became very energetic

9. Choose the correct word that is nearly same in meaning to given word:

NARCISSISM

- A. Excessive love of oneself
- B. Excessive hatred of oneself
- C. Love for animals
- D. Excessive love for humankind

10. Consider the following sentences:-

- I. Cannon is a weapon used to kill enemies.
- II. Cannon is an accepted principle.

- A. Only sentence I is correct
- B. Only sentence II is correct
- C. Both I and II are correct
- D. Neither I nor II are correct

15. The first term of a GP is 1. The sum of 3rd and 5th terms is 90. Then the common ratio is:

- A. 1
- B. 2
- C. 3
- D. 4

18. The number of elements in the power set $P(S)$ of the set $S=\{1,2,3\}$ is

- A. 4
- B. 8
- C. 2
- D. 10

20. Everybody in a room shakes hands with everybody else. Total no. of handshakes is 45. Total number of people in the room is:

- A. 9
- B. 10
- C. 5
- D. 15

21. If A and B are mutually exclusive events given that $P(A) = \frac{3}{5}$, $P(B) = \frac{1}{5}$, then $P(A \text{ or } B)$ is:

- A. 0.8
- B. 0.6
- C. 0.4
- D. 0.2

22. Two lines are called parallel if the difference of their slope is:

- A. -1
- B. 0
- C. 1
- D. 2

26. Which of the following boolean algebraic expressions is correct?

- A. $A+AB = A+B$
- B. $A+AB = B$
- C. $(A+B)(A+C) = A+BC$
- D. $(A+B)(A+B) = A$

27. If $\tan A = \frac{1}{2}$, $\tan B = \frac{1}{3}$, then the value of $A+B$ is:

- A. $\frac{\pi}{6}$
- B. π
- C. 0
- D. $\frac{\pi}{4}$

29. If the correlation coefficient is 0, two regression lines are

- A. Parallel
- B. Perpendicular
- C. Coincident
- D. Inclined at 45 degree to each other

30. _____ indicates peakness of frequency distribution.

- A. Kurtosis
- B. Skewness
- C. normal distribution
- D. Exponential distribution

31. Which of the following devices provides communication between the computer and outer world?

- A. Drivers
- B. Storage
- C. CPU
- D. Input-Output