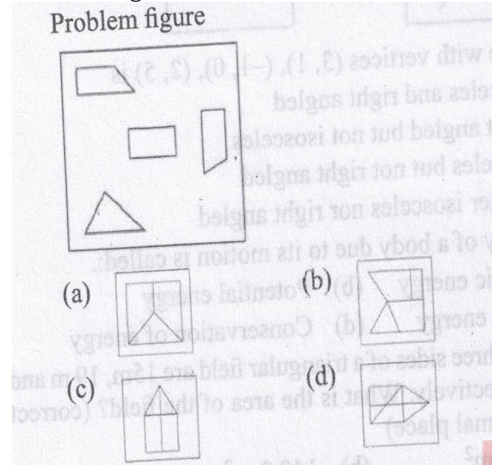


CUET – GENERAL TEST – MOCK NO 1

Attempt Any 50 Questions

1. In this question given below find out the pictures can be formed from the pieces given in the problem figure

Problem Figure



2. Given below are two statements: one is labelled as Assertion (A) and the other is labelled as Reason (R). Assertion (A): The Filament in an electric bulb does not burn up although its temperature is about 2700°C when it glows.

Reason (R): Bulb filament is made of tungsten.

(3) In the light of the above statements, choose the most appropriate answer from the options given below.

- (a) Both (A) and (R) are correct and (R) is the correct explanation of (A)
- (b) Both (A) and (R) are correct and (R) is NOT the diwadi correct explanations of (A)
- (c) (A) is correct but (R) is not correct
- (d) (A) is not correct but (R) is correct

3. Find the compound interest on ₹ 64000 at 10% per annum for 9 months when interest is compounded quarterly.

- (a) 2791
- (b) 4912
- (c) ₹4921
- (d) ₹6615.70

4. A man moves to east side then turn left, then right and then further turn right again and then moves left. Now man is in which direction?

- (a) East
- (b) West
- (c) South
- (d) North

5. Given below are two statements:

Statement I: Arithmetic Progression is a sequence in which addition of any two consecutive terms is a constant.

Statement II: In a Geometric Progression the ratio of any term to its preceding term is a constant.

In the light of the above statements, Choose the most appropriate answer from the options given below.

- (a) Both Statement I and Statement II are correct
- (b) Both Statement I and Statement II are incorrect
- (c) Statement 1 is correct but Statement II is incorrect
- (d) Statement I is incorrect but Statement II is correct

6. Simple interest on a certain sum at 8% per annum for 5 years is 2400. What will be the compound interest on the same sum at the same rate for 2 years?

- (a) 990
- (b) 998.40
- (c) 960
- (d) 1015.50

7. Heavy water is used as coolant in Nuclear Reactors because heavy water is:

- (a) Water rich in minerals
- (b) Water containing minerals with heavy metal
- (c) Ozonised water
- (d) Water containing heavy isotopes of hydrogen

8. Six persons A, B, C, D, E and F are sitting in two parallel rows of three persons in each row and they all are facing in north direction. C is sitting to the right E. B is sitting to the right of D who is sitting opposite to A. F is sitting diagonally opposite to A. who is at the left to E. Who is sitting opposite to B?

- (a) F
- (b) C
- (c) E
- (d) A

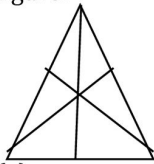
9. Find the next term in the alpha numeric series: C4X, F9U, 116R?

- (a) K25P
- (b) L25P
- (c) L250
- (d) L27P

10. How many solid spherical balls each of diameter 1.5 cm can be made by melting a solid cylinder with height 36cm and base radius 8cm?

- (a) 4,096
- (b) 1,458
- (c) 729
- (d) 5,832

11. Find the number of triangle in the given figure.



- (a) 7
- (b) 9
- (c) 13
- (d) 16

12. In which year 'Panchayati Raj' was passed by Lok Sabh and Rajya Sabha?.

- (a) 1992
- (b) 1993
- (c) 1994
- (d) 1995

13. Find missing term in given series.

AZ, GT, MN, ?, YB

- (a) JH
- (b) TS
- (c) SK
- (d) SH

14. Which of the following country is NOT a G20 member?

- (a) Indonesia
- (b) Turkey
- (c) Mexico
- (d) Singapore

15. Match List I with List II

List I

(President of India)

(A) Dr. Zakir Husain

(B) Shri V.V. Giri

(C) Shri K.R. Narayanan

(D) Giani Zail Singh

List II

(Tenure)

(I) 25 July

1997- 25 July 2002

(II) 25 July

1982-25 July 1987

(III) 25 August

1969 -24 August 1974

(IV) 13 May

1967-3 May 1969

Choose the correct answer from the options given below:

- (a) (A)-(I), (B)-(II), (C)-(III), (D)-(IV)
- (b) (A)-(II), (B)-(III), (C)-(IV), (D)-(I)
- (c) (A)-(III), (B)-(IV), (C)-(II), (D)-(I)
- (d) (A)-(IV), (B)-(III), (C)-(I), (D)-(II)

16. Shyam said Deepak's Mother is the mother of my father's wife. How is Deepak related to Shyam?

- (a) Mother's brother

- (b) Grand father
- (c) Father's brother
- (d) Brother

17. Who is known as the 'Grand old man of India'?

- (a) Mahatma Gandhi
- (b) Sardar Patel
- (c) Bal Gangadhar Tilak
- (d) Dada Bhai Naoroji

18. During festival season, an item was available for 918 after 15% discount. Smriti bargained with the shopkeeper and availed 20% discount, how much did Smriti pay for it?

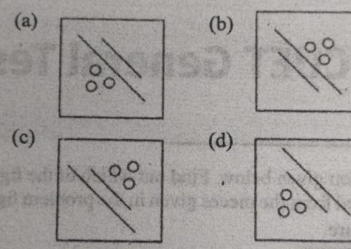
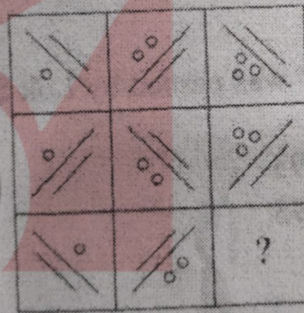
- (a) ₹864
- (b) ₹872.10
- (c) ₹888
- (d) ₹902

19. 'Exercise' is to 'Obesity' as 'Water' is to?

- (a) Thirst
- (b) Alcohol
- (c) Drink
- (d) Purity

20.

Complete the figure.



21. A triangle with vertices (3, 1), (-1, 0), (2, 5) is

- (a) Isosceles and right angled
- (b) Right angled but not isosceles
- (c) Isosceles but not right angled
- (d) Neither isosceles nor right angled

22. The energy of a body due to its motion is called:.

- (a) Kinetic energy (b) Potential energy
(c) Static energy (d) Conservation of energy

23. Length of three sides of a triangular field are 15m, 19 m and 22 m respectively. What is the area of the field? (correct to one decimal place)

- (a) 138.5 m² (b) 140.2 m²
(c) 150.8 m² (d) 150.5 m²

24. India's 1st Gold ATM' that dispenses gold coins is launched in which city

- (a) Warangal (b) Hyderabad
(c) Gurugram (d) Delhi

25. The position of how many digits in the will remain unchanged after the digits within the number are rearranged in descending order (from left to right)

- (a) One (b) Two
(c) Three (d) Zero

26. Who wrote the famous book-" My Experiments with Truth"?

- (a) Lala Lajpat Rai
(b) M. K. Gandhi
(c) Sarojini Naidu
(d) V. S. Naipal

27. Ascorbic Acid is the correct chemical name of:

- (a) Vitamin D (b) Vitamin C
(c) Vitamin E (d) Vitamin B12

28. If the base radius of a cone is doubled and its height is thalved, then volume of the new cone will be:

- (a) Same as of the original cone
(b) 1.5 times of the original cone
(c) 2 times of the original cone
(d) 4 times of the original cone

29. Taj Mahal (Agra U.P) was declared as one of the UNESCO's World Heritage sites in

- (a) 1975 (b) 1980
(c) 1983 (d) 1990

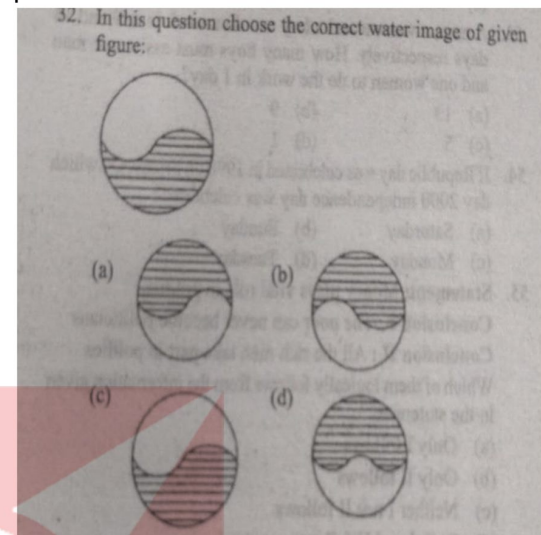
30. Find the mean of prime numbers between 1 and 30.

- (a) 15 (b) 12.9
(c) 16 (d) 15.5

31. The Union Government launched "Bharat Nirman Yojana" on:

- (a) Dec 2005 (b) Feb 2006
(c) May 2015 (d) April 2016

32.



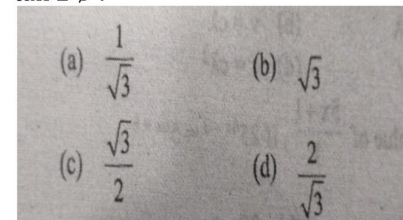
33. Match List I with List II

| List I (Players Name) | List II (Sports) |
|--------------------------|---------------------|
| (1) Cricket | (A) MC Mary Kom |
| (II) Archery | (B) Dipika Pallikal |
| (III) Squash | (C) Deepika Kumari |
| (IV) Boxing | (D) Smriti Mandhana |

Choose the correct answer from the options given below:

- (a) (A)-(IV), (B)-(III), (C) - (1), (D) - (II)
(b) (A) - (IV), (B) - (I) (C) - (II) (D)-(III)
(c) (A)-(IV), (B)-(III), (C)-(II), (D)-(1)
(d) (A)-(IV), (B)-(II), (C)-(III), (D)-(1)

34. If $2\cos\theta = \sqrt{3}$, then what is the value of $\tan 2\theta$?



35. India's first experimental remote sensing satellite carrying TV and microwave cameras was:

- (a) Aryabhata (b) Bhaskar-1
(c) Rohini RS-1 (d) Rohini RS-2

36. Elephanta caves is located in:

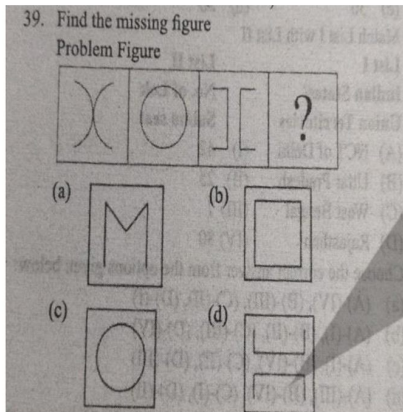
- (a) Gwalior (b) Mumbai
(c) Jodhpur (d) Bhubaneshwar

37. The average salary of employees of a factory is 15,000. The average salary of 250 of the employees is 16,000 and that of remaining employees is 13,750. Total number of the employees in the factory is:

- (a) 420 (b) 450
(c) 456 (d) 475

38. In Indian National Congress passed a resolution of Poorna Swaraj (complete independence) as an ultimate goal.

- (a) Madras Session (b) Lahore session
(c) Karachi session (d) Calcutta session



39.

40. The value of $0.1^8 / (0.01)^5$

- (a) 1/10 (b) 1/1000
(c) 10 (d) 100

41. If E and F are events such that $P(E) = 5/8$, $P(F) = 1/2$, AND $P(E \text{ AND } F) = 1/4$ THEN what is $P(\text{not } E \text{ and not } F)$

- (a) 1/8 (b) 3/16
(c) 3/4 (d) 7/8

42. The angles of a cyclic quadrilateral, taken in order are x deg, $(3x - 30)$ deg $(y + 30)$ deg and $(2x - y)^\circ$. Find the measure of the smallest angle of the quadrilateral.

- (a) 20° (b) 30°
(c) 40° (d) 50°

43. If $a = 12$, $b = -8$ and $c = -4$ then find the value of $a^3 + b^3 + c^3$

- (a) 384 (b) 1152
(c) -1448 (d) 2304.

44. Which terms comes next in sequence: AC, FH, KM, PR'

- (a) TV (b) UX
(c) VW (d) UW

45. Consider the following events and arrange them in ascending order

- (A) Gandhi-Irwin Pact
(B) First Round Table Conference
(C) Simon Commission
(D) Quit India Movement
(E) Poona Pact

Choose the correct answer from the options given below:

- (a) B, C, A, D, E (b) C, B, A, E, D
(c) A, B, C, D, E (d) B, D, A, C, E

46. What should be subtracted from 20% of 450 to get 25% of 240?

- (a) 50 (b) 40
(c) 30 (d) 20

47. Match List I with List II.

| List I | List II |
|-------------------|-----------------------|
| Indian States/ | No. of Lok Sabha seat |
| (A) NCT of Delhi | (1) 42 |
| (B) Uttar Pradesh | (II) 25 |
| (C) West Bengal | (III) 7 |
| (D) Rajasthan | (IV) 80 |

Choose the correct answer from the options given below:

- (a) (A)-(IV), (B)-(III), (C)-(II), (D)-(I)
(b) (A)-(1), (B)-(II), (C)-(III), (D)-(IV)
(c) (A)-(I), (B)-(IV), (C)-(II), (D)-(III)
(d) (A)-(III), (B)-(IV), (C)-(I), (D)-(II)

48. What would replace the question mark in the given series?

- ADG, BEH, CFI, ? EHK
(a) DEH (b) DFH

(c) DGJ

(d) DFI

49. Find missing term in given pattern

12:36:15:?

(a) 99

(b) 45

(c) 60

(d) 39

50. Arrange the following, according to their increasing order, with which India shares longest boundary:

(A) Nepal

(B) Pakistan

(C) China

(D) Bhutan

(E) Myanmar

Choose the correct answer from the options given below:

(a) A, B, C, D, E

(b) D, E, A, C, B

(c) D, E, C, A, B

(d) D, E, A, B, C

51. Find two numbers such that their mean proportional is 6 and third proportional is 20.25:

(a) 4 and 9

(b) 5 and 10.15

(c) 2 and 18

(d) 9 and 13.5

52. At what angle the hour and minute hands of a clock are inclined at 15min past 5?..

(a) 64°

(b) 58 ½

(c) 72 ½

(d) 67 ½

53. A man, a woman and a boy can do a work in 6, 9 and 18 days respectively. How many boys must assist one man and one woman to do the work in 1 day?

(a) 13

(b) 9

(c) 5

(d) 1

54. If Republic day was celebrated in 1996 on Friday. On which day 2000 independence day was celebrated?

(a) Saturday

(b) Sunday

(c) Monday

(d) Tuesday

55. Statement: Money plays vital role in politics.
Conclusion I: The poor can never become politicians

Conclusion II: All the rich men take part in politics Which of them logically follows from the information given in the statement.

(a) Only I follows

(b) Only II follows

(c) Neither I nor II follows

(d) Both I and II follows

56. Choose the correct option for the missing term 27:18:102:?

(a) 54

(b) 68

(c) 76

(d) 84

57. Manu started his journey at 10:45 am with a speed of 45km/h. At what time will he reach his destination 150km away?

(a) 1:45 pm

(b) 1:55 pm

(c) 2:05 pm

(d) 2:45 pm

58. Which of the Super Computers is not developed in India?

(a) Flosolver

(b) Pace

(c) Param10000

(d) Deep Blue

59. The relation between velocity of light (C), Frequency (v) and Wavelength (λ) is:

(a) $C = v\lambda$

(b) $v = c\lambda$

(c) $\lambda = cv$

(d) $c = c^2$

60. Find the value of $5x+13$, if $254x-3=56x+8$

(a) 11/3

(b) 27

(c) 12

(d) 17/6