

NTSE

MOCK TEST – MAT

Time: 1:00 hours



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Each Question Carries One Mark.

Directions: (1 to 3):- In the following questions, choose the words that show the same relationship as given in the each questions.

1. Flower is to a Bouquet as Minister is to a.

- (a) Voter (b) Cabinet (c) Constituency (d) Department

Ans. (b) Cabinet

Sol. Second word Bouquet is group of first word Flower. In the same manner Cabinet is a group of Ministers.

2. Hour is related to Second in the same way as Tertiary is related to.

- (a) Ordinary (b) Secondary (c) Primary (d) Intermediary

Ans. (c) Primary

Sol. Second is the third position after Hour in time measurement. Likewise Tertiary is the third position after Primary in the order of ranking.

3. Sports is related to Logo in the same way as Nation is related to.

- (a) Emblem (b) Animal (c) Ruler (d) Anthem

Ans. (a) Emblem

Sol. The symbol Logo is related to Sports. Likewise Emblem is related to Nation.

Directions: (4 to 10):- In each of the following questions, there are two terms to the left of the sign:: which are related in some way. Obtain the same relationship between the term to the right of the sign:: from one of the four alternatives gives under it.

4. FG : LM :: ? : ?

- (a) NO : TU (b) HI : RS (c) GH : KL (d) DE : BA

Ans. (a) NO : TU

Sol. Examine the questions pair 'FG : LM'. The relationship is that the letters are in alphabetic order and five letters are skipped between terms.

5. LXNU : NYPV :: QTBR : ?

- (a) RUSD (b) SDSU (c) SUDS (d) RSUD

Ans. (c) SUDS

Sol. Second term is obtained from the first by moving its first and third letters two steps forward while the second and fourth letters one step forward.

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6. TUESDAY : UUFSCAX :: SQUAREE : ?

- (a) TQUASED (b) TQVASED (c) TQVAQED (d) TXVARED

Ans. (c) TQVAQED

Sol. Sequence is + 1, 0, + 1, 0, - 1, 0, - 1

7. AEZ : EIY :: IOX : ?

- (a) UYZ (b) AEX (c) EIX (d) OUW

Ans. (d) OUW

Sol. Each term has two vowels in the beginning, and the first letter from backward sequence. Hence AE (vowels) Z, EI (vowels) Y etc.

8. ACF : EDG :: IEH : ?

- (a) OFJ (b) OFI (c) GHI (d) LMN

Ans. (b) OFI

Sol. Each item starts with a vowel which maintains the sequence of AEIOU as is seen from other items. After a vowel, 2 letters follow, of which 2 intervening consecutive letters are skipped, i.e. C (DE) F, D (EF) G, E (FG) H and F (GH) I.

9. India Gate : Delhi :: _____ :

- (a) Chicago : USA (b) Albany : New York
(c) Agra : Taj Mahal (d) Chandigarh : Rock Garden

Ans. (b) Albany : New York

Sol. India Gate is in Delhi, Albany is in New York. And taj mahal is in agra not agra in taj mahal

10. PUNJAB : AMRITSAR :: _____ :

- (a) Golden Temple : Amritsar (b) Moscow : Russia
(c) India : Asia (d) Agra : Taj Mahal

Ans. (d) Agra : Taj Mahal

Sol. Amritsar is in Punjab, Taj Mahal is in Agra

Directions:- In each of following questions, two words indicated by I and II have been left out. The correct word to come in place of I is given as one of the four alternatives against I and the correct word to come in place of II is given as one of the four alternatives against II. Read with the correct words, there is some relationship between the two words to the left of the sign (: :) and the same relationship obtains between the two words to the right of the sign (: :) The correct combination is given as one of the four alternatives (a), (b), (c) and (d). Find the correct combination in each case.

11. I : Melt :: Bright : II

- I. (A) Liquid (B) Ice (C) Heat (D) Freeze
II. (P) Dull (Q) Dazzle (R) Light (S) Colour

- (a) AS (b) BR (c) CQ (d) DP

Ans. (d) DP

Sol. The words in each pair are antonyms of each other.

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I still wonder how one man has such a deep understanding of an examination. It becomes the truth what ever Vipin Sir says about NTSE.

M. Pareek

An
NTSE Scholar
IIT-JEE (Adv.) AIR-3

Mukesh Pareek



Directions: (12 to 13) :- In each of the following questions, a group of three interrelated words is given. Choose a word from the given alternatives, that belongs to the same group.

12. Marble : Slat : Gneiss
(a) Quartzite (b) Limestone (c) Coal (d) Sandstone

Ans. (a) Quartzite

Sol. All are metamorphic rocks.

13. Pituitary : Thyroid : Pancreas
(a) Adrenal (b) Heart (c) Liver (d) Kidney

Ans. (a) Adrenal

Sol. All are endocrine glands.

Directions: (14 to 15):- Three words are given in each questions, which have something in common among themselves. Out of the four given alternatives, Chooses the most appropriate description about these three words.

14. Analects : Zend Avesta : Torah
(a) These are places of worship (b) These are three sects of Muslims
(c) These are names of religions (d) These are names of religious books.

Ans. (d) These are names of religious books

15. Hiss : Hoot : Trumpet
(a) They are sounds made by certain creatures
(b) They are joyous cries of children
(c) They are sounds made by war-instruments.
(d) The terms are used in connection with under-word activities.

Ans. (a) They are sounds made by certain creatures

Directions: (16 to 17):- In each of the following questions, choose one number which is similar to the number is the given set.

16. Given set : 192, 282, 372
(a) 453 (b) 461 (c) 236 (d) 425

Ans. (a) 453

Sol. In all the numbers, the sum of digits is 12 and the largest digit lies in the middle.

17. Given Set : (8, 3, 2)
(a) (10, 6, 5) (b) (63, 8, 3) (c) (95, 24, 5) (d) (168, 15, 4)

Ans. (b) (63, 8, 3)

Sol. In each set, 1st number = $(2^{\text{nd}} \text{ number})^2 - 1$; 2nd number = $(3^{\text{rd}} \text{ number})^2 - 1$.

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Directions: (18 to 19):- In each of the following questions, two words indicated by I and II have been left out. The correct word to come in place of I is given as one of the four alternatives against I and the correct words to come in place of II is given as one of the four alternatives against II. Read with the correct words, there is some relationship between the two words to the left of the sign (: :) and the same relationship obtains between the two words to the right of the sign (: :). The correct combination is given as one of the four alternatives (a), (b), (c) and (d). Find the correct combination in each case.

18. I : Water : : Thermometer : II
I. (a) Humidity (b) Condensation (c) Pitcher (d) Evaporation
II. (P) Temperature (Q) Mercury (R) Doctor (S) Fever
(a) aS (b) cQ (c) dP (d) bR
Ans. (b) cQ

19. I : Flower : : Milky way : II
I. (a) Garden (b) Plant (c) Fruit (d) Petals
II. (P) Galaxy (Q) Star (R) Sky (S) Planet
(a) bP (b) dR (c) aQ (d) cS
Ans. (c) aQ
Garden contains flower and milky way contains star.

Directions : (20 to 24):- In each of the following questions, five words are given, out of which four are same in one way and the fifth one is different from others. Select the odd one.

20. (a) Mercury (b) Moon (c) Venus (d) mars
(e) Earth
Ans. (b) Moon
Sol. All the terms except Moon are related to planets.
21. (a) Green (b) Violet (c) Brown (d) Yellow
(e) Orange
Ans. (c) Brown
Sol. Except Brown all the colours are present in the rainbow.
22. (a) Silk (b) Fur (c) Milk (d) Leather
(e) Rubber
Ans. (e) Rubber
Sol. Only Rubber is the tree product.
23. (a) Milk (b) Syrup (c) Squash (d) Tea
(e) Cake
Ans. (e) Cake
Sol. All others are the drinks.
24. (a) Conscience (b) Morality (c) Conduct (d) Will-power
(e) Weight
Ans. (e) Weight
Sol. All other terms are used to represent human behavioral personality factors.

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Directions: (25 to 26):- In each of the following questions four out of five alternatives contain alphabet placed in a particular form. Find the one that does not belong to the group.

25. (a) A8C (b) D22G (c) H42M (d) B36P

(e) F34J

Ans. (e) F34J

Sol. In all other groups number between first and second letter is twice the sum of positions of first and last letters in the alphabet.

26. (a) KQ14 (b) AY13 (c) MR11 (d) GQ12

(e) LZ19

Ans. (c) MR11

Sol. In all other groups number at the end is half of the positions of sum of first and second letters in the alphabet.

Directions: (27 to 30):- In the following questions, numbers given in four out of the five alternatives have some relationship. You have to choose the one which does not belong to the group.

27. (a) 3 : 8 (b) 6 : 35 (c) 7 : 50 (d) 1 : 0

(e) 9 : 80

Ans. (c) 7 : 50

Sol. In other numbers second number is one less than the square of first number.

28. (a) 21 : 24 (b) 28 : 32 (c) 14 : 16 (d) 70 : 80

(e) 54 : 62

Ans. (e) 54 : 62

Sol. The ratio among the numbers is 7 : 8

29. (a) 22 : 0 (b) 54 : 9 (c) 23 : 5 (d) 81 : 63

(e) 24 : 18

Ans. (e) 24 : 18

Sol. Second number is the difference of the square of digits of first number.

30. (a) 43 (b) 53 (c) 63 (d) 73

(e) 83

Ans. (c) 63

Sol. All other numbers are prime numbers.



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