SRIMAAN COACHING CENTRE-TRICHY- TNPSC-DEO-APTITUDE & MENTAL ABILITY-MODEL TEST-UNIT-10 QUESTION BANK -TO CONTACT:8072230063.

2023-24 SRIMAAN



TNPSCDEO

District Educational Officer (Group – I C Services) PRELIMINARY EXAMINATION

UNIT-X-MODEL TEST- (NEW SYLLABUS)

TNPSC-(DEO)-STUDY MATERIAL (TAMIL & ENGLISH

MEDIUM) AVAILABLE.

PG-TRB STUDY MATERIALS: TAMIL/ENGLISH MATHEMATICS PHYSICS CHEMISTRY COMMERCE (T/M & E/M)/BOTANY (T/M & E/M)/ZOOLOGY HISTORY (T/E)/ECONOMICS (T/E)/GEOGRAPHY /BIO-CHEMISTRY PGTRB-COMPUTER INSTRUCTOR GRADE-I -TO CONTACT -8072230063.

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TRB POLYTECHNIC LECTURER MATERIALS:

MATHEMATICS / ENGLISH /PHYSICS / CHEMISTRY/COMPUTER SCIENCE / IT /
EEE /ECE /EIE/ICE/MECHANICAL/CIVIL/MOP AVAILABLE.

UG-TRB: ALL SUBJECT STUDY MATERIALS AVAILABLE.

SCERT/DIET/GTTI STUDY MATERIAL AVAILABLE.

DEO & BEO (T/M & E/M) STUDY MATERIALS AVAILABLE.

PG-TRB COMPUTER INSTRUCTOR GRADE-1 -FULL STUDY MATERIAL WITH QUESTION BANK AVAILABLE

TNPSC-ASSISTANT DIRECTOR OF CO-OPERATIVE AUDIT
STUDY MATERIAL AVAILABLE.

TNEB-(ASSESSOR/AE/JA) MATERIALS WITH QUESTION BANK AVAILABLE

TNEB / PG-TRB / TRB-POLYTECHNIC / TRB-BEO MATERIALS ARE SENDING THROUGH COURIER.

TO CONTACT

8072230063

PG-TRB STUDY MATERIALS: TAMIL/ENGLISH MATHEMATICS PHYSICS CHEMISTRY COMMERCE (T/M & E/M)/BOTANY (T/M & E/M)/ZOOLOGY HISTORY (T/E)/ECONOMICS (T/E)/GEOGRAPHY /BIO-CHEMISTRY PGTRB-COMPUTER INSTRUCTOR GRADE-I -TO CONTACT -8072230063.

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TO CONTACT:8072230063.

TNPSC-DEO

DISTRICT EDUCATIONAL OFFICER

(Group – I C Services)

UNIT X -APTITUDE & MENTAL ABILITY

MODEL TEST-I

Duration: 1/2 Hour

Max.Marks:50

1. What percent of 72 is 6?

- (a) 8 1/3%
- (b) 8 1/5%
- (c) 8%
- (d) 8 1/7%
- 2. What is 25% of 25% equal to

STUDY MATERIALS: TET/PGTRB/DEO& BEO / TRB-POLYTECHNIC/COM.INSTRUCTOR/SCERT/DIETTNPSC/TNEB/TNUSRB/TO CONTACT:8072230063.

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SRIMAAN

- - (a) 6.251
 - (b) .625
 - (c).0625
 - (d) .00635
- 3. If A's income is 33% more than that of B, then how much percent is B's income less than that of A?
 - (a) 24.8%
 - (b) 26.7%
 - (c) 28.5%
 - (d) 24.3%
- 4. If the A's height is 24% less than that of B, then how much percent is B's height more than that of A?
 - (a) 30.61%
 - (b) 36.42%
 - (c)31.57%
 - (d) 31.88%
- 5. If the price of tea is increased by 20 % find by how much percent must a house holder reduce her consumption of tea so as not to increase the expenditure?
 - (a)16 2/3%
 - (b) 17 1/6%
 - (c) 16 1/7%
 - (d) 16 1/9%
- 6. If the price of sugar decreases by 20% find by how much percent must a house holder increase her consumption of sugar so as not to decrease the expenditure?
 - (a) 25%

STUDY MATERIALS: TET/PGTRB/DEO& BEO / TRB-POLYTECHNIC/COM.INSTRUCTOR/ SCERT/ DIET TNPSC/TNEB/TNUSRB/TO CONTACT:8072230063.

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2023-24 SRIMAAN

- (b)24%
- (c)28%
- (d) 27%
- 7. The population of a town is 176400, if it increases at the rate of 5% annum, what will be it's population 2 years hence? What was it 2 years ago?
 - (a) 194481 and 160000
 - (b) 184488 and 160088
 - (c) 195477 and 160968
 - (d) 198897 and 160094
- 8. From the salary of an officer, 10% is deducted as house rent, 15% of the rest he spends on children's education and 10% of the balance he spends on clothes than he is left with Rs. 4131.Find his total salary?
 - (a) 8000
 - (b) 6000
 - (c) 6060
 - (d) 6600
- 9. If A's salary is 20% less than B's salary by how much percent is B's salary more than A's?
 - (a) 16 2/3%
 - (b) 20%
 - (c) 25%
 - (d) 33 1/3%
- 10. Which is greatest in 16 2/3%, 2/5 and 0.17?
 - (a) $16 \frac{2}{3}$

STUDY MATERIALS: TET/PGTRB/DEO& BEO / TRB-POLYTECHNIC/COM.INSTRUCTOR/SCERT/DIETTNPSC/TNEB/TNUSRB/TO CONTACT: 8072230063.

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2023-24 SRIMAAN

(b) 2/5

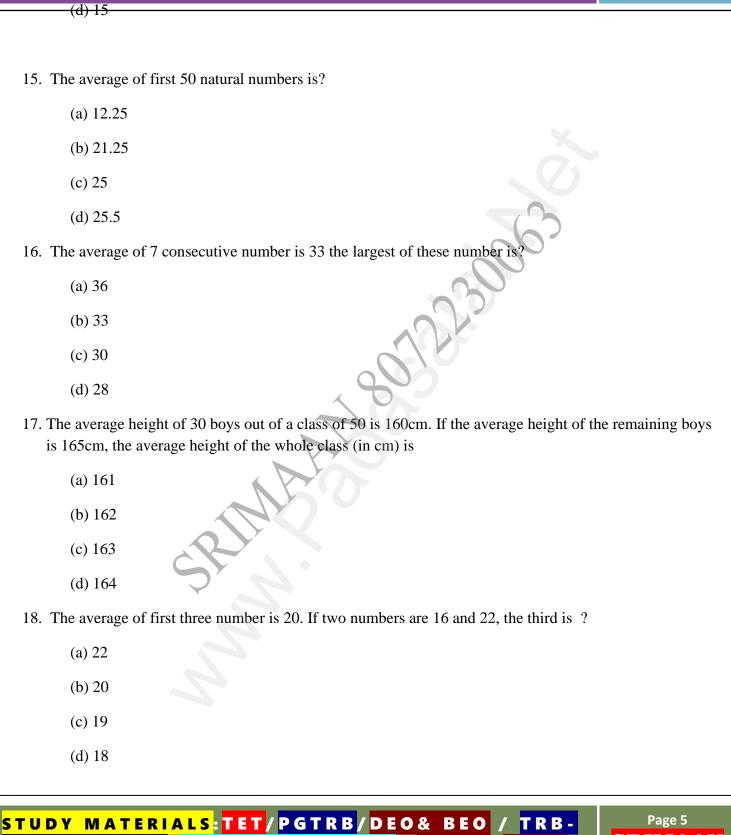
- (c) 0.17
- (d) 0.99
- 11. 63% of 3 4/7 is
 - (a) 2.25
 - (b) 2.40
 - (c) 2.50
 - (d) 2.75
- 12. 40 quintals is what percent of 2 metric tons?
 - (a) 20%
 - (b) 2%
 - (c) 200%
 - (d) 150%
- 13. Anis's height is 20% less than Deepak's .How much is Deepak's height more than Anil's?
 - (a) 16 2/3%
 - (b) 18%
 - (c) 20%
 - (d) 25%
- 14. The average of first five multiples of 3 is
 - (a) 3
 - (b) 9
 - (c) 12

STUDY MATERIALS: TET/PGTRB/DEO& BEO / TRB-POLYTECHNIC/COM.INSTRUCTOR/SCERT/DIETTNPSC/TNEB/TNUSRB/TO CONTACT:8072230063.

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STUDY MATERIALS: TET/PGTRB/DEO& BEO / TRB-POLYTECHNIC/COM.INSTRUCTOR/SCERT/DIETTNPSC/TNEB/TNUSRB/TO CONTACT: 8072230063.

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19. A man spends Rs. 1800 monthly on an average for the first 4 months and Rs.2000 monthly for the next

eight months and	d saves Rs.5600 a year. His average monthly income is
(a) Rs.2000	
(b) Rs. 2200	
(c) Rs. 2400	
(d) Rs. 2600	
20. The average of s number is?	ix number is 30. If the average of first four is 25 and that of last three is 35. The fourth
(a) 25	
(b) 30	
(c) 35	
(d) 40	
	te as much money as sohan and sohan has 150% more money than what pankaj has if ney with them is Rs. 110 then mukesh has
(a) Rs.55	
(b) Rs.60	
(c) Rs.90	5, 6,
(d) Rs.180	
	of 24 boys and the teacher is 15 years. When the teacher's age is excluded the average What is the age of the teacher?
(a) 38 years	
(b) 39 years	
(c) 40 years	

STUDY MATERIALS: TET/PGTRB/DEO& BEO / TRB-POLYTECHNIC/COM.INSTRUCTOR/SCERT/DIETTNPSC/TNEB/TNUSRB/TO CONTACT: 8072230063.

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SRIMAAN



		lequacy	

23. A cricketer has a certain average for 9 innings.	In the 10 th inning he scores	100 runs there by increasing
his average by 8 runs. His new average is		

(a) 20 runs

(b) 24 runs

(c) 28 runs

(d) 32 runs

24. The mean temperature of Monday to Wednesday was 37°C and of Tuesday to Thursday was 34°C. If the temperature on Thursday was 4/5th that of Monday. The temperature on Thursday was

(a) 36.5°C

(b) 36°C

(c) 35.5°C

(d) 34°C

25. Three years ago the average age of a family of 5 members was 17 years. A baby having been born, the average age of the family is the same today. The present age of the baby is

(a) 2 yrs

(b) 2.4 yrs

(c) 3 yrs

(d) 1.5 yrs

26. The average age of boys in the class is twice the number of girls in the class. If the ratio of boys and girls in the class of 36 be 5:1 what is the total of the ages (in years) of the boys in the class?

(a) 490

(b) 196

(c) 420

(d) 360

27. A man buys an article for Rs. 27.50 and sells it for Rs.28.60. find his gain percent.

(a) 3%

(b) 2%

(c) 4%

(d) 6%

28. Find C.P when S.P = Rs.40.60, gain = 16%

(a) Rs. 25

(b) Rs.55

(c) Rs. 45

(d) Rs.35

STUDY MATERIALS: TET/PGTRB/DEO& BEO / TRB-POLYTECHNIC/COM.INSTRUCTOR/SCERT/DIETTNPSC/TNEB/TNUSRB/TO CONTACT:8072230063.

Page 7 **SRIMAAN**



(a) Rs.63.58 (b) Rs.68.34 (c) Rs.60.53 (d) Rs.66.43 30. A man sold two houses for Rs. 675958 each. On one he gains 16% while on the other he loses 16%. How much does he gain or loss in the whole transaction? (a) 3.26% (b) 3.28% (c) 2.56% (d) 2.86% 31. find the single discount equivalent to a series discount of 20%, 10% and 5%. (a) 30.6% (b) 31.6% (c) 29.6% (d) 28.6% 32. A bought a radio set and spend Rs.110 on it repairs. He then sold it to B at 20% profit, B sold it to C a loss of 10% and C sold it for Rs.1188 at a profit of 10% what is the amount for which A bought the
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a loss of 10% and C sold it for Rs.1188 at a profit of 10% what is the amount for which A bought the
whose of 10% and 6 sold to 10 law profit of 6 with 10 law and all of which 10 law and 10
radio set?
(a) Rs.850 (b)Rs.890
(c) Rs.930 (d) Rs.950
33. The C.P of 12 articles is equal to S.P of 9 articles. Find the gain percent
(a) 22 ½% (b) 33 1/3%
(c) 44 ½% (d) 55 1/5%
34. A man sold an article for Rs.247.50 , there by gaining 12 $\frac{1}{2}$ % .The cost of the article was
(a)Rs.225 (b)Rs.224
(c) Rs.220 (d) Rs. 210
35. A retailer buys a radio for Rs.225. His overhead expenses are Rs.15. He sells the radio for
STUDY MATERIALS: TET/PGTRB/DEO& BEO / TRB-Page 8 POLYTECHNIC/COM-INSTRUCTOR/SCERT/DIET SRIMAAN
POLYTECHNIC/COM.INSTRUCTOR/SCERT/DIET TNPSC/TNEB/TNUSRB/TO CONTACT:8072230063.



Rs.300. The profit percent of the reta	iler is
(a) 10	(b) 25
(c) 50	(d) 52
36. A grain dealer cheats to the extent of	10% while buying as well as selling, by using false weights.
His total gain is:	
(a) 22 2/9%	(b) 21%
(c) 20%	(d) 10%
37. By selling an article, Sheetal earned a	profit equal to 1/4 th of the price he bought it. If he sold
it for Rs.375, what was the cost price?	
(a)Rs.350	(b)Rs.312.50
(c) Rs.300	(d) Rs.281.75
38. A horse and a cow were sold for Rs. 1	2000 each. The horse was sold at a loss of 20% and the
cow at a gain of 20%. The entire trans	action resulted in:
(a) no loss or gain	(b) loss of Rs.1000
(c) gain of Rs.1000	(d) gain of Rs. 2000
39. The original price of a T.V set is Rs. 9	000. The price is discounted by 20% and then raised
by 10% what is its new price.	
(a) 6420	(b)7520
(c)7900	(d) 7920
40. If, by selling an article for Rs. 100. A	man gain Rs. 15 then his gain percent is
(a) 15%	(b) 12 2/3%
(c) 17.11/17 %	(d) 17 1/4%
	TRR/DEO& REO / TRR- Page 9
TUDY MATERIALS: TET/POPOLYTECHNIC/COM.INST	

TNPSC/TNEB/TNUSRB/TO CONTACT:8072230063.

41. There would be 10% loss if a toy is sold at Rs. 10.80 per piece at what price should it be sold



to earn a profit of 20%		
(a) Rs.12	(b) Rs.12.96	
(c) Rs.14.40	(d) none	
42. If the cost price of 12 tables is	s equal to the selling price of 16 ta	ables, the loss percent is
(a) 15%	(b) 20%	3
(c) 25%	(d) 30%	00,
43. By selling 45 lemons for Rs.4	0, a man loses 20% .How many sh	ould he sell for Rs.24 to gain
20% in the transaction		
(a) 16	(b) 18	
(c) 20	(d)22	
44. A sells a bicycle to B at a prof	it of 20% and B sells it to C at a p	profit of 25% .If C pay Rs.
1500 what did A pay for it.		
(a) Rs.825	(b) Rs.1000	
(c) Rs. 1100	(d) Rs. 1125	
45. Monika purchased a pressure	cooker at 9/10 th of its selling price	ce and sold it at 8% more than its S.P.
Her gain is		
(a)20%	(b)18%	
(c)10%	(d) 8%	
46. The C.P of an article is 40%	of the S.P. The percent that the S	.P is of C.P is
(a) 250	(b)240	
(c) 60	(d) 40	
TUDY MATERIALS: TE		

TNPSC/TNEB/TNUSRB/TO CONTACT:8072230063.

2023-24 SRIMAAN

47. Rajesh buys an article with 25% discount on its marked price. He makes a profit of 10%

by selling it at Rs.600. The marked price is

(a)Rs. 600

(b) Rs. 685

(c) Rs.700

(d) Rs. 800

STUDY MATERIALS AVAILABLE

** TNPSC-DEO (TAMIL & ENGLISH MEDIUM)

STUDY MATERIALS AVAILABLE.

- TRB-BEO -(TAMIL & ENGLISH MEDIUM) FULL STUDY MATERIAL AVAILABLE.
- TRB-POLYTECHNIC LECTURER (ALL SUBJECT) FULL STUDY MATERIAL AVAILABLE.
- UG-TRB: (ALL SUBJECT) FULL STUDY MATERIAL AVAILABLE.
- PG-TRB: (ALL SUBJECT) FULL STUDY MATERIAL AVAILABLE.
- TET (PAPER-1,PAPER-2)-(TAMIL & ENGLISH MEDIUM)
 FULL STUDY MATERIAL AVAILABLE.

SRIMAAN COACHING CENTRE-TRICHY.

TO CONTACT:8072230063.

STUDY MATERIALS: TET/PGTRB/DEO& BEO / TRB-POLYTECHNIC/COM.INSTRUCTOR/SCERT/DIETTNPSC/TNEB/TNUSRB/TO CONTACT:8072230063.

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SRIMAAN



48.	A dealer marks his goods 20%	above C.P. He	then allows	some discount	on it and	makes a
	profit of 8%. The rate of disco	unt is				

(a) 4%

(b) 6%

(c) 10%

(d) 12%

49. Anil bought a T.V with 20% discount on the labelled price. Had he bought it with 25% discount, he would have saved Rs500. At what Price did he buy the T.V?

(a) Rs. 16000

(b) Rs. 12000

(c) Rs.10000

(d) Rs.5000

50. A Shopkeeper Professes to sell all things at a discount of 10% but increases the S.P of each article by 20%. His gain on each article is

(a)6%

(b) 8%

(c) 10%

(d)12%

STUDY MATERIALS: TET/PGTRB/DEO& BEO / TRB-POLYTECHNIC/COM.INSTRUCTOR/SCERT/DIETTNPSC/TNEB/TNUSRB/TO CONTACT:8072230063.

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MATHEMATICAL APTITUDE & MENTAL ABILITY TESTS-(NEW SYLLABUS) MODEL TEST-CONTACT:8072230063. 2023-24 SRIMAAN

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TO CONTACT:8072230063.

MODEL TEST-ANSWER KEY SOON

1. b	2. c	3.	4.	5.	6.	7.
8.	9.	10.	11.	12.	13.	14.
15.	16.	17.	18.	19.	20.	21.
22.	23.	24.	25.	26.	27.	28.
29.	30.	31.	32.	33.	34.	35.
36.	37.	38.	39.	40.	41.	42.
43. d	44. d	45. b	46. d	47. a	48. c	49. a
50. a						

STUDY MATERIAL AVAILABLE

IF YOU NEED TNPSC-DEO EXAM (TAMIL & ENGLISH MEDIUM) FULL STUDY MATERIAL AVAILABLE.

TO CONTACT

8072230063

STUDY MATERIALS: TET/PGTRB/DEO& BEO / TRB-POLYTECHNIC/COM.INSTRUCTOR/SCERT/DIETTNPSC/TNEB/TNUSRB/TO CONTACT:8072230063.

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2023-24 SRIMAAN

TNPSC-GROUP-I C

TNPSC-DEO (District Educational Officer(Group — I C Services)
(TAMIL & ENGLISH MEDIUM) STUDY MATERIAL AVAILABLE.

TRB-POLYTECHNIC LECTURER-(NEW SYLLABUS) STUDY MATERIALS AVAILABLE

- MATHEMATICS STUDY MATERIAL with Question Bank.
- ENGLISH STUDY MATERIAL with Question Bank.
- PHYSICS STUDY MATERIAL with Question Bank.
- CHEMISTRY STUDY MATERIAL with Question Bank.
- MODERN OFFICE PRACTICE STUDY MATERIAL with Q.B.
- COMPUTER SCIENCE STUDY MATERIAL with Question Bank.
- INFORMATION TECHNOLOGY STUDY MATERIAL with Q.Bank.
- ECE STUDY MATERIAL with Question Bank.
- EEE STUDY MATERIAL With Question Bank.
- MECHANICAL STUDY MATERIAL With Question Bank.
- CIVIL STUDY MATERIAL With Question Bank.
- EIE STUDY MATERIAL with Question Bank.
- ICE STUDY MATERIAL with Question Bank.

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UG-TRB MATERIALS

- UG TRB: TAMIL MATERIAL WITH QUESTION BANK.
- UG TRB: ENGLISH STUDY MATERIAL +Q. BANK (T/M)
- UG-TRB: MATHEMATICS MATERIAL WITH Q. BANK (E/M)
- UG TRB: PHYSICS MATERIAL WITH QUESTION BANK (E/M)
- UG TRB: CHEMISTRY MATERIAL + QUESTION BANK (E/M)
- UG TRB: HISTORY MATERIAL + Q.BANK (T/M & E/M)
- UG TRB: ZOOLOGY MATERIAL + QUESTION BANK (E/M)
- UG TRB: BOTANY MATERIAL +QUESTION BANK (T/M& E/M)
- UG TRB: GEOGRAPHY STUDY MATERIAL (E/M)

SCERT/DIET/GTTI (LECTURER) STUDY MATERIAL AVAILABLE.

PG-TRB MATERIALS

- PG TRB: ENGLISH MATERIAL WITH QUESTION BANK.
- PG TRB: TAMIL STUDY MATERIAL +QUESTION BANK (T/M)
- PG-TRB: MATHEMATICS MATERIAL WITH Q.BANK (E/M)

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2023-24 SRIMAAN

- PG TRB: PHYSICS MATERIAL WITH QUESTION BANK (E/M)
- PG TRB: CHEMISTRY MATERIAL + QUESTION BANK (E/M)
- PG TRB: COMMERCE MATERIAL WITH Q.BANK (T/M)&(E/M)
- PG TRB:ECONOMICS MATERIAL+Q. BANK (T/M & E/M)
- ➤ PG TRB: HISTORY MATERIAL + Q. BANK (T/M & E/M)
- PG TRB: ZOOLOGY MATERIAL + QUESTION BANK (E/M)
- PG TRB: BOTANY MATERIAL +QUESTION BANK (T/M& E/M)
- PG TRB: GEOGRAPHY STUDY MATERIAL (E/M)
- TRB-BEO STUDY MATERIAL (T/M & E/M) AVAILABLE

PG-TRB: COMPUTER INSTRUCTOR-GRADE-I (NEW SYLLABUS)-2022-2023 STUDY MATERIAL AVAILABLE 10% Discount for all materials. Materials are sending through

COURIER.

TO CONTACT

SO72230063 SRIVIAAN