TISS sample paper

Total-85 sample questions

1. How many triangles in the given figure.

A. 8   B.10   C.12   D.14

2. What is the minimum number of straight lines required to make the given figure.

A. 16   B.17   C.18   D.19

3. How many triangles in the given figure.

A. 22   B. 24   C. 26   D. 28

4.In the given figure find the number of squares.

A. 18   B. 19   C. 25   D. 27

5. Find the minimum number of straight lines required to make given figure ?

A. 11   B. 13   C. 15   D. 21

6. How many rectangles are there in the given figure.

A. 10   B. 9   C. 8   D. 7

7. Find out the number of rectangles and hexagons in the given figure ?

A. 30, 5   B. 32, 3
C. 28, 5   D. 30, 3

8. How many triangles and squares in the given figure ?

A. 44 triangles, 10 squares
B. 14 triangles, 16 squares
C. 27 triangles, 6 squares
D. 36 triangles, 9 squares

9.In a class composed of P girls and Q boys what part of the class is composed of girls

(A).Q/(P + Q)   (B).P/PQ
(C).P/(P + Q)   (D).Q/PQ

10.What is the maximum number of half-pint bottles of cream that can be filled with a 4-gallon can of cream(4pt.=2qt. and 8qt.=2gal)

A.30   B.24   C.16   D.64

11.If the operation, ^ is defined by the equation A^ B = 2A + B, then what is the value of a in 2 ^ x = x ^ 3

(A).0   (B).1   (C).-1   (D).4

12. A tea shop blends 2 kinds of tea, putting in 2 parts of a 33p. gm. grade to 1 part of a 24p. gm.If the mixture is changed to 1 part of the 33p. a gm. to 2 parts of the less expensive grade,find out how much the shop save in blending of 100 gms.
(A).Rs.8.00   (B).Rs.1.00   (C).Rs.3.00   (D).Rs.90

13.There are 200 questions on a 3 MAT examination. And in these questions , 50 questions are on logical and critical reasoning problems. It is suggested that twice as much time be spent on each logical and critical reasoning problem as for each other question. Find out the How many minutes should be spent on logical and critical reasoning problems.
A.36   B.72   C.60   D.100

14.In a group of 15 student , 7student studied English, and remaining 8 student studied French, and 3 student not studied .find out how many student studied both french and english
A.5   B.3   C.4   D.0

15.If 13 = 13x/(1-x) ,then (2x)2 =
A.1/4   B.1/2   C.1   D.2

16. If p and q are positive integers and (p-q)/3.5 = 4/7, then what is the relation between p and q.
(A) q < p   (B) q > p   (C) q = p   (D) q >= p

17. In june a baseball team that played 60 games had won 30% of its game played. After a phenomenal winning streak this team raised its average to 50% .How many games must the team have won in a row to attain this average?
(A). 12   (B). 20   (C). 30   (D). 24

18. U men agree to purchase a gift for Rs. V. If three men drop out how much more will each have to contribute towards the purchase of the gift/
(A). V/(U-3)   (B). UV/3   (C).U/(V-3)   (D) 3V/(U2-3U)

19. A company contracts to paint 3 houses. Mr.ROHIT can paint a house in 6 days while Mr.Mohit take 8 days and Mr.Ajay 8 days. After 8 days Mr. Rohit vacation and Mr. Mohit' to work for a period of 6 days. How many days will it take Mr.Ajay complete the contract?
A. 7   B. 8   C. 11   D. 12

20. 2 hours after a freight train leaves Delhi a passenger train leaves the same station travelling in the same direction at an average speed of 16 km/hr. After travelling 4 hours the passenger train overtakes the freight train.And find out what was the average speed of the freight train ?
A. 58   B. 40   C.30   D. 60

21. If 9a-3b=12 and 3a-5b=7 then what is the value of this equation   6a-2b = ?
(A).-5   (B). 4   (c). 2   (D). 8

(22) . (1/10)^18 - (1/10)^20 = ?
(a) 99/1020
(b) 99/10
(c) 0.9
(d) none of these

(23). Thirty men take 20 days to complete a job working 9 hours a day.How many hour a day should 40 men work to complete the job?
(a) 8 hrs   (b) 7 1/2 hrs   (c) 7 hrs   (d) 9 hrs

(24). What is the smallest number in a GP whose sum is 38 and product 1728 .
(a) 12   (b) 20
(c) 8   (d) none of these

(25). PQRT is an isosceles trapezoid and PRST is a rectangle. PQ = 10 and TR = 20. What is the length of PT?
(a) 5   (b) 15
(c) 10   (d) 20

(26) .There are three pipes. Pipe A can fill in 20 minutes and Pipe B in 30 minutes and Pipe C can empty the same in 40 minutes.If all of them work together, find the time taken to fill the tank .
(a) 17 1/7 mins
(b) 20 mins
(c) 8 mins
(d) none of these

27. What is maximum number of pieces of 5 cm *5 cm *10 cm that can be cut from big pasta of 5 cm * 30 cm * 30cm size?
(a) 10   (b) 15   (c) 18   (d) 30

28. A rectangular water tank measures 15 m x 6 m at top and is 10 m deep. It is full of water. If water is drawn out lowering the level by 1 meter, how much of water has been drawn out? ?
(a) 90,000 litres?   (b) 45,000 litres?   (c) 4,500 litres?   (d) 900 litres

29. The average weight of a class of 24 students is 36 years. When the weight of the teacher is also included, the average weight increases by 1 kg. What is the weight of the teacher?
(A) 60 kg
(B) 61 kg
(C) 37 kg
(D) 40 kg

Questions on the Language Ability :
Questions 30-36 are based on the incomplete sentences.
30. After the funeral, the residents of the apartment building _____
a.sent each week faithfully to the cemetery flowers.
b. sent to the cemetery each week flowers faithfully.
c. sent flowers faithfully to the cemetery each week.
d. sent faithfully flowers all weeks to the cemetery.

31. Because the first pair of pants did not fit properly, he asked for _____
a. another pants
b. others pants
c. the others ones
d. another pair

32. The committee has met and _____
a. they have reached a decision
b. it has formulated themselves some opinions
c. its decision was reached at
d. it has reached a decision

33. Alfred Adams has not _____
a. lived loneliness in times previous
b. never before lived sole

c. ever lived alone before
d. before lived without the company of his friends

34. John's score on the test is the highest matks in the class; _____
a. he should study last night
b. he should have studied last night
c. he must have studied last night
d. he must had to study last night

35. Mohit will not be able to attend the meeting tonight because _____
a. he must to teach a class
b. he will be teaching a class
c. of he will teach a class
d. he will have teaching a class

36. Having been served lunch, _____
(a). the problem was discussed by the members of the committee
(b). the committee members discussed the problem
(c). it was discussed by the committee members the problem
(d). a discussion of the problem was made by the members of the committee

In question 37-43 , each sentence has four underlined words or phrases.

37. The main office of the factory can be found in Maple Street in New York City .
(a). the main
(b). be found
(c). in
(d). at

38. Because there are less members present tonight than there were last night, we must wait until the next meeting to vote.
a. less   b. than
c. were   d. to vote
39. David is particularly fond of cooking, and he often cooks really delicious meals.
a. particularly   b.fond of
c. often cooks   d. really

40. The progress made in space travel for the early 1960s is remarkable.
a. progress   b. made
c. in space   d. for

41. Sahin has not rarely missed a play or concert since she was seventeen years old.
a. not rarely
b. a play
c. since
d. was seventeen years old

42. The governor has not decided how to deal with the new problems already.
a. The
b. has
c. how to deal with
d. already

43. There was a very interesting news on the radio this morning about the earthquake in Italy .
a. there was   b. a
c. on the   d. about A.

Question 44-49 ,in these questions given pair of words has a specific relationship to each other. Select the best pair of choices which expresses the same relationship as the given.

44. PROCRASTINATOR : DELAY ::
a. flatterer : undermine
b. genius : creativity
c. tyrant : influence
d. general : salute

45. APIARY : BEE ::
a. mountain : skier
b. airport : flight
c. schedule : event
d. stable : horse

46. OVATION : APPLAUSE ::
a. grief : loss
b. rout : defeat
c. triumph : failure
d. pathway : ruin

47. DOLPHIN : FLIPPER :: a. insect : antenna
b. burglar : mask
c. gull : wing
d. plane : radar

48. WATERTIGHT : MOISTURE ::
a. hermetic : air
b. combatant : strife
c. somnolent : boredom
d. ocean : shore

49. PLAYWRIGHT : SCRIPT ::
a. composer : score
b. physician : diagnosis
c. verse : poet
d. king : parliament

Read the passage carefully and give the answer:
The Teacher Shruti class her five or six children, and early everyone in measuring the length and breath of the classroom to make a map to scale. She took a moment to share with me her reflections on the episode that had just taken place, and she was quick to acknowledge, "Had it not been for the training I have received, I would certainly have interrupted the girl. The training has helped me learn to respect what the children are saying and be receptive to the why of it." Shruti was referring to the trainings organised by the NGO as a part of their Social Science Teaching Programme (SSTP). This is an educational innovation that is being tried out in eight schools of Delhi felt that this exposure had greatly influenced her teaching not just in social science but in other subjects too. "It has changed my entire way of looking at things she exclaimed, saying that now she is able to look beyond rote learning and exams and understand that in every subject there is a scope to discuss the social and attempt the practical."

50.Who has given training to the teachers?
(a) Shruti
(b) The NGO

(c) The school board
(d) Delhi government

51. What is the author referring to as an 'educational innovation'?
(a) Children working in groups
(b) The teacher
(c) The teaching methodology.
(d) The social science programme of the NGO.

52. Which of the following sentences is not based upon information given in the passage.

(a) Through this programme children achieve more.
(b) Through this programme teachers have begun to teach in a different manner.
(c) Through this programme social science is being taught differently.
(d) Through this programme other subject areas have been influenced.

53. In the sentence 'It has changed my entire ways of looking at things' she exclaimed 'it' refers to:
(a) Children working in groups
(b) The training programme
(c) The NGO
(d) The children

54. In the first sentence of this passage, the word closest in meaning to 'engrossed' is:
(a) focussed
(b) busy
(c) working
(d) enabled

55. According to the author, in what way has Shobha's teaching changed?
(a) she worked harder
(b) she enjoys being with children more
(c) she is able to understand ways to handle the subjects better
(d) non of the above

56. Which of the following words does not belong to the set: (i) indifferent (ii) involved, (iii) interested (iv) engrossed
(a) i
(b) iv
(c) iii
(d) ii

57. The word 'terminally-ill' refers to
(a) the condition of a person who is very ill.
(b) the condition of a person who needs to be hospitalised
(c) the condition of a person whose illness will definitely lead to death
(c) the condition of a person whose illness has been terminated.

58. .... all countries in the world, India has the highest level of illiteracy.
(a) in
(b) of
(b) at
(d) on

59. "We are all ready to go, but we have not yet received our visas."
This sentence can be rewritten as:
(a.) We can go there only if we receive our visa
(b) Although we are all ready to go, we are not yet able to as we have not received our visa.
(c) Only if we receive our visa we can go.
(d) Unless we receive visa we cannot go.

Given below is a sentences with a word or phrase underlined. Pick an alternative that can be used in its place, without altering the meaning of the original sentence:

60. On the other hand many parents feel that it is better to begin studying English from Class I.
(a) However
(b) For this reason
(c) Despite this
(d) In any case

fill in the blank with your choice to complete the sentence : -
61. For the first time CIDCO has ....to implement the green building concept.
(a) decides
(b) decided
(c) decisive
(d) decision

62. One of the biggest problem we face in our country is our inability to work in teams. The correct form of this sentence is:
(a)One of the big problems we face in our country is our inability to work in teams.
(b)One of the biggest problems we face in our country is our inability to work in teams.
(c)One of the big problem we face in our country is our inability to work in teams.
(d)One of the problem we face in our country is our inability to work in teams.

63. ___ there a better way of getting this thing done?
(a) Is
(b) Are
(c) Of course
(d) Which of

64.When she learnt that she had been selected, she was the .... person in the colony
(a) happier
(b) happiest
(c) happy
(d) most happiest

65. LUCID
a. underlying
b. complex
c. luxurious
d. tight

66. LATITUDE
a. frenzy
b. attitude

c. alt
d. restriction

67. GRATUITOUS
a. Noticeable
b. Useful
c. Needful
d. Original

68. MERITORIOUS
a. Simple
b. Inferior
c. Unrewarding
d. Young

69.VOUCHSAFE
a. steal
b. postpone
c. refuse
d. injure
Questions are based on the General awarenes   ( ): - - -

70. The main objectives of the UN are
(A). to maintain peace and security in the world
(B). to work together to remove poverty, disease and illiteracy and encourage respect for each other's rights of basic freedom.
(C). to develop friendly relations among nations
(D).All of the above

71. The headquarter of ESCAP Economic and Social Commission for Asia are situated at
A. Bangkok
B. Geneva
C. Santiago (Chile)
D. Banglor

72. The industrial organization of Atomic Minerals Division, Heavy Water Board (HWB) is located at
A. Mumbai
B. Kolkata
C. Hyderabad
D. Jadugude, Bihar

73. The Indian Air Force celebrated its Golden Jubilee in
A. 1962   B. 1972
C. 1982   D. 1992

74. Where is the headquarter of OAU (Organization of African Unity) .
A. Addis Ababa, Ethiopia
B. Washington DC
C. Paris
D. Jakarta, Indonesia

75. Where is the headquarter of International Atomic Energy Agency (IAEA).
A. Vienna
B. Genev

C. Rome
D. Paris

76. The market condition when goods and services are not freely available and thus the prices are relatively high is called
A. rights issue
B. sinking fund
C. seller's market
D. recession

77. The headquarter of 'Assam Rifles' at
A. Shillong
B. Kohima
C. Aizawl
D. Itanagar

78. What language spoken spoken in Sikkim.
A. Nepali, Hindi, Lepcha, Bhutani
B. Marathi
C. Bengali, Tripuri
D. Manipuri

79. The Heads of Government of the countries which are members of the Commonwealth meet
A. once a year
B. biannually
C. at intervals of three years
D. as and when necessary
Awareness on Social Issues ;

80. Which of the following is mismatched
a. Godavari - Maharashtra
b. Cauvery – Karnataka
c. Ganga – Himachal Pradesh
d. Haldia - Bihar

81. The Armed Forces (Special Powers) act of 1958 is in force in
a. Manipur, Nagaland and Mizoram
b. Assam, Tripura and Mehalaya
c. All of the above
d. None of the above

82. Who among the following has not won the 'Bharat Ratna'?
a. Lata Mangeshkar
b. Marudhur Gopalan Ramachandran
c. Dr. Nelson Rohilhlahla Mandela
d. Nandamuri Taraka Ramarao

83. The National programme of Nutritional Support to Primary education was launched
a. 1995
b. 1996
c. 2004
d. 2005

84. The constitution has
a. 12 schedules, 395 articles, 22 parts

b. 12 schedules, 375 articles, 20 parts
c. 12 schedules, 394 articles, 22 parts
d. 12 schedules, 395 articles, 21 parts

85. Which of the following is incorrectly matched?
a. Bhakranangal – Haryana
b. Srisailam – Andhrapradesh
c. Gandhisagar – Madhya Pradesh
d. Sardar Sarovar - Gujarat