

LOVELY PROFESSIONAL UNIVERSITY
TALENT SEARCH TEST-2010
10th Class

Time:
Total Marks:

NAME:

ROLL No:

Important Instructions:

1. Read the questions carefully.
2. Indicate the option with a **Tick Mark** on the option letter, either a, or b, or c, or d, or e, which you think is right.
3. No negative marking is there.
4. Questions left unanswered or answered with more than one option will not be marked.

ENGLISH (10th)

- 1 What type of sentence asks a question? 1
a) Exclamatory b) Affirmative c) Interrogative d) Declarative
- 2 Floating _____ are used to help boats navigate. 1
a) Boys b) Buoys c) Bouys d) None
- 3 They took blood from my _____. 1
a) Vane b) Vein c) Vain d) Vaen

Fill the blank with right modal:

- 4 _____ you both be happy. 1
a) May b) Might c) Must d) Can
- 5 The restaurant is always empty- it _____ be much good. 1
a) can't b) couldn't c) shouldn't d) Might not

Choose the most important antonyms of the italicized words from the four alternatives given with each sentence.

- 6 Earth, Water, foliage and sky, they all spoke to us and would not be *disregarded*. 1
a) ill treated b) abused c) regarded d) insulted
- 7 She had the *impudence* to ask to see me two days ago. 1
a) boldness b) worthiness c) eagerness d) politeness
- 8 *Unconsciously* I obeyed. 1
a) exalted b) impoverished c) consciously d) qualified
- 9 They agreed to be *contented* with tea. 1
a) Uneasiness b) discontented c) satisfied d) disquiet
- 10 Complete the following sentences selecting suitable phrases/idioms from the given list; 2X.5=1
x He was _____ much by his loss.
Y She was fortunate to _____ with a small fine.

List of phrases/idioms: a) get away b) cast down c) broke out d) come off

Find out the exact meaning of the following words by giving the right answer from the four given options:

- 11 **Soldier** 1
a) (n) increase of amount, size, scope, or the like b) (n) a person engaged in military service
c) (v) to rouse to activity or to quickened action d) (n) a settled course or manner of progress
- 12 Prefix "in" can not be attached with 1

- a) Accessibility b) Accuracies c) Animate d) Able

Find the answer that best matches the underlined word or phrase.

13 Please (submit) your name list before five o'clock. 1

- a) hand in b) hand down c) hand off d) hand out

14 Mark on the right word: 1

- a) Trecherous b) Trecheruos c) Tracherous d) Treacherous

15 If you see the history/origin of a word This is called word's ... 1

- a) Ethnology b) Etymology c) Anthropology d) Histology

Fill the blanks:

16 She held the ____ in her hand. 1

- a) Reigns b) Reins c) Rains d) Rayns

17 He had to ____ the button on. 1

- a) Sow b) Sew c) Either could be used here d) None

18 You've been working hard all day- you ____ be tired. 1

- a) must b) mustn't c) can d) can't

19 In which of the following words no letter is silent: 1

- a) Gnome b) Psalm c) Badge d) French

20 In August my parents will be married for twenty-five years. 1

- a) will be married for twenty-five years b) shall have been married for twenty-five years
c) will have been married for twenty-five years d) will be married for twenty five years

APTITUDE (10th)

Total number of questions: 20

Q1 A positive number is 16 times its reciprocal. What is the number?

- (A) 4 (B) 2 (C) 8 (D) 16 (E) 32

Q 2 By what smallest number must 34300 be multiplied in order to make it a perfect square?

- (A) 5 (B) 7 (C) 6 (D) 14

Q 3 The school principal has received complaints from parents about bullying in the school yard during recess. He wants to investigate and end this situation as soon as possible, so he has asked the recess aides to watch closely. Which situation should the recess aides report to the principal?

- A A girl is sitting glumly on a bench reading a book and not interacting with her peers.
B Four girls are surrounding another girl and seem to have possession of her backpack.
C Two boys are playing a one-on-one game of basketball and are arguing over the last basket scored.
D Three boys are huddled over a handheld video game, which isn't supposed to be on school grounds.

Q 4 Seeing four girls surrounding another girl, while in possession of her backpack, is the most suspicious of the incidents described. Dr. Miller has a busy pediatric dentistry practice and she needs a skilled, reliable hygienist to keep things running smoothly. The last two people she hired were recommended by top dentists in the area, but they each lasted less than one month. She is now in desperate need of a hygienist who can competently handle the specific challenges of her practice. Which one of the following candidates should Dr. Miller consider most seriously?

- A. Marilyn has been a hygienist for fifteen years, and her current employer, who is about to retire, says she is the best in the business. The clientele she has worked with consists of some of the wealthiest and most powerful citizens in the county.
B. Lindy recently graduated at the top of her class from one of the best dental hygiene programs in the state. Prior to becoming a dental hygienist, Lindy spent two years working in a day care center.
C. James has worked as a dental hygienist for three years in a public health clinic. He is very interested in securing a position in a private dental office.

D. Kathy is an experienced and highly recommended dental hygienist who is also finishing up a degree in early childhood education, which she hopes will get her a job as a preschool teacher. She is eager to find a job in a pediatric practice, since she has always wanted to work with children.

Q 5 The average of 12 numbers is 35. if each of the number is multiplied by 2, find the average of new set of numbers.

- 35 (B) 70 (C) 12 (D) 17.5

Q 6 The Cost Price of an article which is sold at a loss of 25% for Rs 150, is?

- (A) Rs 125 (B) Rs 175 (C) Rs 200 (D) Rs 225

Q 7 A can do a certain work in the same time in which B and C together can do it. If A and B together could do it in 10 days and C alone in 50 days, then B alone could do it in:

- A 15 days B 20 days C 25 days D 30 days

Q 8 A is thrice as good as workman as B and therefore is able to finish a job in 60 days less than B. Working together, they can do it in:

- A 20 days B 22 1/2 days C 25 days D 30 days

Q 9 The cost of painting a wall is \$32. What is the cost of painting another wall at the same rate. Which has doubled the length and 3 times the height of the former wall?

- A \$80 B \$96 C \$192 D \$160 E \$170

Q 10 How many bricks will be required for a wall 8 meters long, 6 meters high and 22.5 cm thick, if each brick measures 25 cm by 11.25 cm by 6 cm?

- A 6400 B 3200 C 64000 D 86000
E None of these

Q 11 Susan can type 10 pages in 5 minutes. Mary can type 5 pages in 10 minutes. Working together, how many pages can they type in 30 minutes?

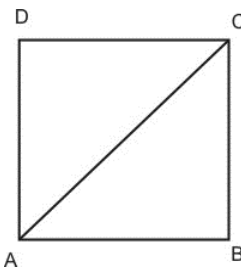
- A 15 B 20 C 25 D 65 E 75

Q 12 Consider the series: 3, 4, 6, 9, 13, ____ What comes next?

- A 15 B 16 C 17 D 18 E 19

Q 13 In square ABCD above, AC = 4, What is the perimeter of ABCD?

- (A) $2\sqrt{2}$ (B) 4 (C) $4\sqrt{2}$ (D) 8 (E) $8\sqrt{2}$



Q 14 The wheel of an engine 25 decimeter in circumference makes 16 revolutions in 4 seconds, the speed of the wheel (in km/hr) is:

- (A) 16 (B) 24.5 (C) 32.8 (D) 36

(E) 10

Q 15 Cup is to coffee as bowl is to

- A dish B soup C spoon D food

16 Exercise is to gym as eating is to

- A food B dieting C fitness D restaurant

17 If x means $-$, $-$ means x, $+$ means \div and \div means $+$ then, $13 - 12 \div 400 + 20 \times 100 = ?$

- (A) 1/1760 (B) 76 (C) 176 (D) 186 (E) None of these

18 If $-$ means \div , \div means $-$, $+$ means \times and \times means $+$, then— $12 - 4 \times 7 + 8 \div 5 = ?$

- (A) 51 (B) 45 (C) 34 (D) 64 (E) None of these

Instructions for Question No. 19 & 20:

If EFGHIJK are coded letters representing VUTSRQP.

Choose the right word for the work from the following options:

Q19 LIMIT

- A) KNRNC B) ORNRG C) JKOKG D) RSTSG E) MHLHS

Q20 POCKET

- A) KLXPUC B) KLXUPG C) KLXGUP D) KLXVPG E) KLXPVG

- a) insoluble in water
c) lighter than air
- b) has pungent and suffocating odour
d) has smell of rotten eggs
- Q.12 Why is some KOH placed in a small test tube in the flask with germinating seeds in the experiment to demonstrate occurrence of respiration in germinating seeds?
- a) to provide oxygen required by the seeds for respiration
c) to absorb water from the seeds to make them dry
- b) to absorb carbon dioxide and create partial vacuum in the flask
d) to make the air present in the flask alkaline
- Q.13 The temporary mount of the leaf epidermal peel which looked pinkish red under the microscope was
- a) stained in the acetocarmine and mounted in glycerine
c) stained in safranin and mounted in glycerine
- b) stained in iodine and mounted in water
d) stained in methylene blue and mounted in water
- Q.14 Given below are the steps to be performing 'starch test' on a green leaf:
- a) boil the leaf in alcohol
c) dip the leaf in Iodine solution
- b) boil the leaf in water
d) wash the leaf in water
- Which one of the following sequences should the students follow to get the correct result?
- a) (A), (D), (B), (C) b) (D), (A), (B), (C) c) (B), (D), (A), (C) d) (B), (A), (D), (C)
- Q.15 You has to do the experiment, on finding the focal length of a given concave mirror, by using a distance object. Out of the following 'set-ups' (A,B,C,D) available to you
- A. a screen, a mirror holder and a scale
C. a screen holder and a scale
- B. a mirror holder, a screen holder and a scale
D. a mirror holder and a screen holder
- the 'set-up' that is likely to give you the best result, is the 'set-up' labeled as
- a) A b) B c) C d) D
- Q.16 On completion of the experiment to demonstrate that 'light is necessary for photosynthesis', four students reported the inference as follows. Identify the correct inferences.
- a) part of the leaf covered with strip can only undergo photosynthesis
c) photosynthesis takes place only in the presence of sunlight
- b) Uncovered parts of the leaf cannot synthesis starch
d) light is necessary for synthesis of starch in green plants
- Q.17 A student takes some water in a beaker and heats it over a flame for determining its boiling point. He keeps on taking its temperature readings. He would observe that the temperature of water:
- a) keeps on increasing regularly
c) first increase slowly, then decrease rapidly and eventually becomes constant
- b) keeps on increasing irregularly
d) first increase gradually and then becomes constant
- Q.18 A specimen of a fish was given to students to identify the externally visible chordate feature in it. The students would look for:
- a) operculum b) notochord c) dorsal tubular nerve chord d) post anal tail
- Q.19 For performing the experiment on plotting the temperature—time graph of hot water, as it cools, a

student would choose calorimeter labeled:

(A) a polished calorimeter (bright) without any lid

(B) a polished calorimeter (bright) having a lid with two holes

(C) a blackened calorimeter without lid

(D) a blackened calorimeter having a lid with two holes

Q.20 A student has to prepare SO_2 gas in the laboratory. For this, he would heat

a) sodium sulphate with NaOH solution

b) copper turnings with dilute H_2SO_4

c) zinc metal with dilute H_2SO_4

d) copper turnings with concentrated H_2SO_4