ETEGE MENEN GIRLS' BOARDING SECONDARY SCHOOL
2013 E.C SAT VERBAL REASONING MODEL EXAM FOR GRADE 12 OLD BATCH.

SECTION ONE: Verbal Reasoning

ANALOGY (1-8)

Direction I: For questions 1-8 identify the relationship that exists between each pair of words presented in capital letters & determine which of the following four pairs of words or phrases labeled A through D maintain the same logical relationship. Write the letters of your answers on the answer sheet provided.

1.**THEATER: PLAY::**
(A) hospital: surgeon (B) gymnasium: track
(C) auditorium: concert (D) book: cover

2.**YARD: LENGTH::**
(A) calories : dinner (B) thermometer : temperature
(C) sound: music (D) quart : volume

3.**STOREROOM: GOODS::**
(A) dictionary: meaning (B) fence: land
(C) security: lock (D) spreadsheet: data

4. **DRAFT: ESSAY::**
(A) story: teller (B) sketch: drawing
(C) desk: office (D) brush: painting

5.**SUITCASE: CLOTHES::**
(A) briefcase: documents (C) movie: scenes
(B) government: laws (D) laboratory: discoveries

6.**ENAMEL: TOOTH::**
(A) mouse: rodent (B) nail: wood
(C) petal : flower (D) shell : egg

7.**DETERGENT: CLEAN::**
(A) antiseptic: disinfect (B) bleach: color
(C) steel : forge (D) sculpture : carve

8.**FOOTNOTE: PAGE::**

(A) dedication: book (B) grimace: tragedy
(C) subtitle: screen (D) idea: summary

SYNONYMS

DirectionII: For questions 9-12, choose the word that is most nearly

Similar in meaning to the word given in BOLD letters.

9.The **impudent** child antagonized his teachers. What can replace impudent?
(A)insolent (B)respectful (C)courteous (D) well mannered

10.Freedom of speech is an **inalienable** right. What can replace inalienable?
(A) Inherent (B) dispensable (C) inviolable (D) irrelevant

11.The singer was offended by the **inattentive a**udience. What can replace inattentive?
(A) heedful (B) distracted (C) respectful (D) humble

12.It was an inauspicious moment to start. What can replace inauspicious?
(A)propitious (B)providential (C) favorable (D) disastrous

ANTONYMS

Directions III: For questions 13- 15, choose the word that is most

nearly opposite in the meaning to the word in BOLD letters.

13. **CAUTIOUS**
(A) elusive (B) playful (C) circumspect (D) foolhardy

14**.TURBID**
(A) transparent (B)bemused (C)muddled (D)auspicious

15. **INGENUOUS**
(A) shady (B)honest (C) candid (D) frank

BLOOD RELATIONS

Directions IV: For questions 16- 18 read carefully the information given in the questions and Identify the relations by

birth or law between two members of a family and blacken the letters of your choice on the separates Answer sheet.

16.Pointing to a photograph, a man said, I have no brother and sister but that man's father is my
father's son. Whose photograph was it?

(A) His own (B) His Nephew's (C) His Son's
(D) None of these

17.Abel introduces Robel as the son of the only brother of his father's wife. How is Robel related
to Abel?

(A) son (B) cousin (C) uncle
(D) brother

18.X introduces Y Saying, ''He is the husband of the granddaughter of the father of my father.''
How is Y related to X?
(A) brother **(** B) son (C) brother-in- law
(D) son-in-law

SENTENCE COMPLETION

Directions V: Questions 19-29 has one or two blanks, each blank indicating that something has been omitted. Beneath the sentence are four words or sets of words labeled A through D. Choose the word or set of words that, when inserted in the sentence, best fits the meaning of the sentence as a whole and blacken the letter of your answer on the answer sheet provided.

19.In order to _____ his sister, Martin defended her to their parents, even though he
wasn't sure that he _____with her opinion.
(A) scorn... petty (B) deny... merciful
(C) understand... acknowledged (D) help... agreed

20.Mr. Kemal always wears a tie to work; it is this insistence on_____ that makes him so popular
with his employees.
(A) formality (B) politeness (C) informality
(D) opulence

21.In literature and on stage, the_____ comes after the climax as a way for the author to conclude the story.
(A) denouement (B) venality (C) heresy
(D) monotony

22.A _____rival, Sue nearly always beat her opponents, but still she also managed to
appear while doing it.
(A) feeble. .stalwart (C) formidable. .sympathetic
(B) hostile.. . treacherous (D) vulnerable. .charitable
23.Nahom was capricious at best, and his _____ often kept him from appearing professional
enough to hold down a steady job.
(A) incontinence (B) dexterity (C) chimeras (D) dispositions
24.Abebe enjoys cooking not for the delicious meals that result but for the _____ while
he does it, as if it were a form of therapy.
(A) frustration (B) relaxation (C) consternation (D) renunciation
25.One reason that _____evidence cannot be drawn from the research of life-after-death experiences is that people's recollections of the events tend to be clouded by a variety of external factors.
(A) unusual (B) inspiring (C) bogus (D) conclusive
26.The photographs were uncommonly_____; viewers were visibly upset upon seeing them.
(A) tainted (B) dismal (C) confusing (D) pedestrian
27.Vatican City, contrary to popular belief, is not a part of Italy, but a _____country with its
own currency.
(A) religious (B) sizable (C) majestic (D) distinct
28.Nigatu is almost impossible to work with; he has _____for his fellow employees, making
them feel small and useless.
(A) contumely (B) apathy (C) remorse (D) affection
29.Rarely willing to acknowledge talent in others, Jeffrey spoke of his fellow artists in
a/an_____manner, pointing out the short comings in their work for all to hear.
(A) sympathetic (B) arrogant (C) rancorous (D) stupefied

CRITICAL READING

Direction III: For questions 30-39, the pair of passages below is followed by a series of questions that require you to analyze, interpret, evaluate, compare, and contrast the written works. Answer these questions on the basis of what each passage states or implies and blacken the letters of your choice on the separate answer sheet provided.

Passage A

I will begin as far back as I can remember. I think I was between two and three years old when the **soul-destroyers** tore me from my mother's arms, somewhere in Africa, far back from the sea. They carried me a long distance to a ship; all the way I looked back, and cried. The ship was full of men and women loaded with chains; but I was so small, they let me run about on deck.

After many long days, they brought us into Charleston, South Carolina. A slaveholder bought me, and took me up into Pendleton County. I suppose that I stayed with him about six months. He sold me to Mr. Bradley, by whose name I have ever since been called. This man was considered a wonderfully kind master; and it is true that I was treated better than most of the slaves I knew. I never suffered for food, and never was flogged with the whip; but oh, my soul! I was tormented with kicks and knocks more than I can tell. My master often knocked me down, when I was young. Once, when I was a boy, about nine years old, he struck me so hard that I fell down and lost my senses. I remained thus some time, and when I came to myself, he told me he thought he had killed me. At another time, he struck me with a currycomb, and sunk the handle into my head.…

I used to work very hard. I was always obliged to be in the field by sunrise, and I labored till dark, stopping only at noon long enough to eat dinner. When I was about fifteen years old, I took what was called the cold plague, in consequence of being over-worked, and I was sick a long time. My master came to me one day, and hearing me groan with pain, he said, "This fellow will never be of any more use to me—I would as soon knock him in the head, as if he were an opossum." … My master had kept me ignorant of everything he could. I was never told anything about God, or my own soul. Yet from the time I was fourteen years old, I used to think a great deal about freedom. It was my heart's desire; I could not keep it out of my mind. Many a sleepless night I have spent in tears, because I was a slave. I looked back on all I had suffered—and when I looked ahead, all was dark and hopeless bondage. My **heart ached** to feel within me the life of liberty.

Passage B

Look at the position of woman as mother. There is no human love so strong and **steadfast** as that of the mother for her child; yet behold how ruthless are your laws touching this most sacred relation. Nature has clearly made the mother the guardian of the child; but man, in his inordinate love of power, does continually set nature and nature's laws at open defiance. The father may apprentice his child, bind him out to a trade, without the mother's consent—certainly, in direct opposition to her most earnest entreaties, prayers and tears.... Again, as the condition of the child always follows that of the mother, and as by the **sanction** of your laws the father may beat the mother, so may he the child. What mother cannot bear me witness to untold sufferings which cruel, vindictive fathers have visited upon their helpless children? Who ever saw a human being that would not abuse unlimited power? Base and ignoble must that man be who, let the provocation be what it may, would strike a woman; but he who would lacerate a trembling child is unworthy the name of man. A mother's love can be no protection to a child; she cannot appeal to you to save it from a father's cruelty, for the laws take no cognizance of the mother's most grievous wrongs. Neither at home nor abroad can a mother protect her son. Look at the temptations that surround the paths of our youth at every step; look at the gambling and drinking saloons, the clubrooms, the dens of infamy and abomination that **infest** all our villages and cities—slowly but surely sapping the very foundations of all virtue and strength.

By your laws, all these abominable resorts are permitted. It is folly to talk of a mother moulding the character of her son, when all mankind, backed up by law and public sentiment, conspire to destroy her influence. But when women's moral power shall speak through the ballot-box, then shall her influence be seen and felt....

(Source: excerpts from an autobiographical letter by a former slave (1835) and from a speech by a leader in the fight for women's rights. (1854)

30. By "**soul-destroyers**" (Passage A, line 1-2), Bradley apparently refers to

(A) religious zealots B) white women

(C) slaves (D) slave traders

31. How does Bradley feel about his master, Mr. Bradley?

(A) He was a wonderfully kind master. (B) He treated Bradley well.

(C) He was not as kind as people thought. (D) He was no better than a slave.

32. Why did Bradley's "**heart ache**" (line 22 of passage 1)?

(A) He was homesick. (B) He pursued of freedom.

(C) He was dreadfully ill. (D) He was treated badly.

33. In Passage B, what does "**steadfast"** mean (line 1)?

(A) Rapid (B) Committed (C) Habitual (D) Frequent

34. The word "**sanction**" (Passage B, line 7) means

(A) permission (B) devoutness (C) lucidity (D) rank

35. Stanton uses the word **"infest"** (passage B line 15) to imply that

(A) our country is overrun with domineering men (B) power is slowly changing hands

(C) drinking causes disease (D) immorality is a kind of creeping plague

36. Bradley would probably agree with Stanton that

(A) a man who strikes a child is unworthy (B) gambling and drinking sap one's strength

(C) moral power can speak through the ballot-box (D) Both A and B

37. Stanton's main point seems to be that

(A) laws pit mother against child

(B) sons will always follow their fathers' paths.

(C) laws remove a mother's right to protect her child.

(D) a mother's influence on her sons is unimportant.

38. A quotation from Passage B that might apply to Passage A is

(A) "Who ever saw a human being that would not abuse unlimited power?"

(B) "Neither at home nor abroad can a mother protect her son."

(C) “Look at the temptations that surround the paths of our youth at every step.…”

(D) Both A and B

39. As Bradley’s master kept him ignorant of God, so

(A) might a father apprentice his child to a master

(B) does a mother remain ignorant of her child’s welfare

(C) can a father keep his son ignorant of morality

(D) is a mother witness to sufferings of her child

LANGUAGE USAGE

Direction III: Question 40-43 In each of the following sentences idioms are used. From the given alternatives choose the correct one that keeps the meaning of the underlined idioms.

40. It has been **coon’s age** since I last went to the national theater.

A) Short period of time C) immediate time

B) Long period of time D) youngster

41.She is **as gentle as lamb**. That’s why everyone likes her.

A) Mild mannered B) kind C) innocent D) all

42.Because he **cried wolf** too often, people stopped believing that he needs real help.

A) Cried like wolf C) asked for help when there is really no danger

B) Asked for help when there is danger D) felt sorrow

43. If my best friend hadn’t **pulled the fat from the fire**, I would have suffered from serious difficulties.

A) Took roasted meal down C) avoided fat from food

B) Offered great help D) couldn’t offer help

LOGICALOR ANALYTICAL REASONING

Directions: Questions 44-45, read the given set of conditions and assumptions. Choose the answer that you think is most appropriate among the given alternatives A, B, C &D and blacken the letter of your choice on the separate answer sheet.

44.**Statements:** **Conclusions:**

1.Some bottles are glasses. I. No glasses are cables.

2.All the glasses are cables. II.Some cables are bottles.

(A) Only II follows (B) Both I AND II follow

(C) Only I follow (D) None of the conclusions follow.

45. **Statements:** **Conclusions:**

1.No girl is boys. I. No girl is red

2.All boys are red. II.Some red are boys.

(A) Only I follows (B) Both I AND II follow

(C) None of the conclusions follow. (D) Only II follow

SECTION TWO: Quantitative Reasoning

ETEGIE MENEN GIRLS BOARDING HIGH SCHOOL 2013 E.C SAT VERVAL REASONING MODEL EXAM FOR GRADE 12 OLD BATCH.

46. How many numbers between 100 and 300 meet one or both of the conditions given in the two statements below?
Statement 1: the number begins with 2.
Statement 2: the number ends with 2.
A.90 B. 100 C. 110 D. 120

47. A football club collected birr 599 from its members. If each member contributed at least birr 12, what is the greatest number of members the club could have?

A. 52 B. 51 C. 50 D. 49

49. How many cubic centimeters of water must be added to 100 cubic centimeters 80% solution of boric acid to reduce it to a 50% solution?
A. 60 B. 50 C. 40 D. 30

50. When 10 is divided by the positive number p, then the remainder is p-4. Which of the following could be the value of p?
A. 8 B. 7 C. 4 D. 3

51. Meron is now 14 years older than Nati. If in 10 years Meron will be twice as old as Nati, how old will Meron be in 5 years?
A.19 B. 21 C. 23 D. 33

52. A lamp is manufactured to sell for birr 35, which yields a profit of 25% cost. If the profit is to be reduced to 15% of cost, the new retail price will be;

A. 44 B. 32.2 C. 16.4 D. 12

53. Ali, Aminat and Yosef their own collections of stamps. If the ratio of Ali's stamps to those of Aminat is 5 to 1 and the ratio of Aminat's stamps to those of Yosef is 3 to 2, what is the ratio of Ali's to Yosef's stamps?
A. 5:1 B. 5:2 C. 10:3 D. 15:2

54. In a sequence -24, -18, -12, -6, …,each number after the first is 6 greater than the preceding number. Which one of the following could be a number in the sequence?
A. 648 B. 762 C. 963 D. 1104

55. If x and y are integers and x > y > 0, how many integers are there between but not includining, x and y?>
A. x – y B. x + y C. x – y - 1 D. x + y – 1

56. In a survey, 5/16 of people said that they preferred to use self-service restaurants. In contrast, 3/8 of the people indicated that they preferred to be served by a waiter/waitress. The remaining 150 respondents stated that they had no clear preference. How many people participated in the survey?
A. 480 B. 390 C. 360 D. 3000

57. Suppose that -1≤ x≤ 0.

Quantity A	Quantity B
X^3 +1	X^2 +2x +2

A. Quantity A is greater than quantity B.
B. Quantity A is less than quantity B.
C. The two quantities are equal.
D. The relationship cannot be determined from the information

58. In a family if the mother is earning half of the father and double of the remaining family members, which of the following can be concluded?
A. Family members, other than mother and father, contribute more than 25% of the family income.
B. The father's income is more than 50%of the family income.

C. The sum of the father's and the mother's income, is more than six times of the remaining family members.
D. The father's income is 200 percent of the mothers and the remaining family members combined

59. The average (arithmetic mean) of 6 numbers is 8.5. When one number is discarded, the average of the remaining numbers becomes 7.2. What is the discarded number?
A.15.4 B. 15.0 C. 12.4 D. 10.0

60. Which one of the following is square free?
A.18 B. 50 C. 48 D.22

61. If n is an integer such that $(-3)^{2n} = 3^{9-n}$,then what is the value of n?
A.4 B.3 C.2 D.1

62. What would be the marked price of an article if the cost was $12.60 and the gain was 10% of the selling price?
A. $13.66 B. $13.86 C. $11.34 D. 12.48 E. 14.00

63. Which of the following is not denumerable?
A. The set of none negative integers C. The set of odd integers
B. The set of even integers D. $\{1,2,3,4,\ldots,100\}$

64. The sum of the digit of a three digit number is 16. If the hundred digit is 4 times the tens digit and the tens digit is $\frac{1}{3}$ the unit digit; what is the number?
A. 277 B. 673 C. 826 D.782

65. After four adults left a party, there are twice as many children as adults. After a further 10 children left the party, there are three times as many adults as children. Originally there where …….adults and …….children at the party.
A. 10; 12 B. 15; 30 C. 14; 20 D. 20; 14

66. One wheel rotates once every 7 minutes, another rotates every 5 minutes. How often will both begin at the same time?

A. every 6 minutes B. every 12 minutes C. every 17 minutes D. every 35 minutes

67. On a test containing 60 questions, Azeb answered 75% 0f the first 40 questions correctly. What percent of the other 20 questions does she need to answer correctly for her grade on the entire examination to be 80%?
A. 80% B. 85% C.90% D. 100%

68. How many multiples of 4 are there between 12 and 96, inclusively?

A.22 B.23 C. 24 D. 25

69. Two acute angle have measures α and β and $\sin\alpha° = \cos\beta$. If $\alpha = k+6$ and $\beta = 3k+4$, what is the value of k?

A. 1 B. 7 C. 20 D. 45

Question 70-71 below are based on the hypothetical data given in Table 1.

Ten classes took the same psychology test. The class sizes (that is, number of students in each class) and (arithmetic) mean scores are shown in the table below.

Table 1. Psychology Test Scores for 10 Classes

Class	Class Size	Mean Score
1	50	56
2	48	84
3	46	90
4	45	66
5	42	82
6	40	96
7	40	96
8	38	69
9	36	55
10	30	93

70. The overall arithmetic mean score for the 10 classes is.

A. 74.16 B. 74.50 C. 85.14 D. 86.40

71. Which of the following statements is true about the data in Table 1?

I. The mean score for the first five classes with relatively large class size is larger than the mean score for the second five classes with relatively small class size.

II. For each class, the larger the class size, the better the mean score

III. The mean score for the five classes with relatively large class size is 75.26

A.I and II B. I and III C. II and III D. I, II and III

72. A circular region has circumference c centimeters and area k square centimeters. If c = 3k what is the radius of the circle in centimeters?

A.2/3 B. 1/3 C. 3/2 D. 3

73. Two sides of a right triangle are 10 and 12 units long. Which one of the following could be the length of the third side?

A. $2\sqrt{11}$ B.$3\sqrt{7}$ C. $3\sqrt{11}$ D.A and B

74. If ¿ and ¿, then $\frac{mn}{5}$ is equal to

A.$\frac{1}{15}$ B. $\frac{1}{20}$ C.$\frac{1}{5}$ D.$\frac{1}{2}$

75. What is the sum of $\frac{1}{3}+\frac{1}{9}+\frac{1}{27}+\frac{1}{81}+\ldots\frac{1}{59049}$?

A. $\frac{59032}{118098}$ B. $\frac{59024}{118098}$ C. $\frac{59048}{118098}$ D. $\frac{59012}{118098}$

76. If $0<r<s<1$, then which one of the following is true?

A.$rs>1$ B. $-s>-r$ C. $r^2+s^2>1$ D. $\frac{1}{r}>\frac{1}{s}$

Refer to the following table to answer question 77 -78

Speed of a car over a 3 hour period								
Timed period(in minutes)	**0**	**30**	**45**	**60**	**90**	**120**	**150**	**180**
Speed at time (in kilometer per hour)	**40**	**45**	**47.5**	**50**	**55**	**60**	**65**	**70**

77. During the three hours shown on the above table, the speed of the car is increased by

A. 100% B.75% C.65% D. 50%

78. At time m, measured in minutes after the beginning of the time period, which of the following gives the speed of the car in accordance with the above table?

A. $40+m$ B. $40+\frac{1}{6}m$ C. $40+10m$ D. $\frac{1}{6}$

Answers key

1.__C___
2.__D___
3.__D___
4.__B___
5.__A___
6.__D___
7.__A___
8.__C___
9.__A___
10._C____
11._B____
12._D____
13._D____
14._A____
15._B____
16._A____
17._B____
18._C____
19._D____
20._A____
21._A____
22._C____
23._D____
24._B____
25._D____
26._B____
27._D____
28._A____
29._B____
30._D____
31._C____
32._B____
33._B____
34._A____
35._D____
36._A____
37._C____
38._D____
39._C____
40._B____
41._C____
42._C____
43._B____
44._A____
45._D____