

ETHIOPIAN UNIVERSITY PRE-ENTRANCE SCHOLASTIC APTITUDE EXAM

SUBJECT CODE: 02

TIME ALLOWED: 2 HOURS

GENERAL DIRECTIONS

THERE ARE A TOTAL OF 60 MULTIPLE CHOICE QUESTIONS. CAREFULLY SELECT THE BEST ANSWER AND CHOOSE ONLY THE LETTER OF YOUR CHOICE.

YOU CAN PASS A QUESTION THAT YOU ARE UNCERTAIN ABOUT AND BACK LATER IF YOU HAVE TIME TO CHECK AGAIN. BUT IF TIME IS UP, QUESTIONS THAT HAVE BEEN ANSWERED ON TIME WILL GET SUBMITTED AND THE BOT WILL MARK ONLY IT.

YOU ARE ALLOWED TO WORK ON THE EXAM FOR 2 HOURS.

The APTITUDE EXAM PREPARED BY FETENA NET ENCOMPASSES 35 VERBAL REASONING AND 25 QUANTITATIVE REASONING QUESTIONS.

TARGETED GROUP: ALL REGISTERED STUDENTS

PREPARED BY FETENA NET

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1) MALARIA : MOSQUITO

Select the pair that best expresses a relationship similar to that expressed in the original capitalized pair above.

- A/ Poison : Death
- B/ Cholera : Water
- C/ Medicine : Diseases
- D/ Bacteria : Chancroid

2) Architecture : Building

Select the pair that best expresses a relationship similar to that expressed in the original capitalized pair above.

- A/ Pilot : plane
- B/ Carpenter : stone
- C/ Reader : Book
- D/ Sculptor : Statue

3) PULP : PAPER

Select the pair that best expresses a relationship similar to that expressed in the original capitalized pair above.

- A/ Glass : Sand
- B/ Wax : Candle
- C/ Ink : Pencil
- D/ Organism : Cell

4) CAT is to KITTEN as COW is to _____

- A/ puppet
- B/ baby
- C/ Calf
- D/ pullet

5) RELAPSE is to CONVALESCE as FRAGILE is to _____

- A/ Resilient
- B/ Weak
- C/ Emaciated
- D/ Sluggish

6) FOOT is to TOE as HAND is to _____

- A/ Nails
- B/ Thumb
- C/ Palm
- D/ Fingers

7) Choose the word that is most nearly similar in meaning to the word MITIGATE.

- A/ Exacerbate
- B/ Worsen
- C/ Alleviate
- D/ Escalate

8) Choose the word that is most nearly similar in meaning to the word SPORADICALLY.

- A/ Occasionally
- B/ Often
- C/ Perpetually
- D/ Continually

9) Choose the word that is most nearly similar in meaning to the word METICULOUS.

- A/ Lax
- B/ Cautious
- C/ Reckless
- D/ Alert

10) Choose the word that is most nearly opposite in meaning to the word RELUCTANT.

- A/ pleasing
- B/ happy
- C/ Willing
- D/ Bored

11) Choose the word that is most nearly opposite in meaning to the word GENUINE.

- A/ General
- B/ Real
- C/ Genie
- D/ Fake

12) Choose the word that is most nearly opposite in meaning to the word FACILITATE.

- A/ Help
- B/ Reject
- C/ Propagate
- D/ Hinder

13) The defendant claimed that he was _____ and his confession was _____

Select the Choice that Contains the pair of words that correctly complete the statement above.

- A/ New , Flagrant
- B/ Innocent , Coerced
- C/ Absent , Benign
- D/ Unaware , Terse

14) Even though the date for Entrance exam has been _____ for the second time , the Candidates are _____ and waiting for it enthusiastically.

Select the choice that contains the pair of words that correctly complete the statement above.

- A/ differed , Furious
- B/ Taken , eligible
- C/ Postponed , Calm
- D/ Delayed , Angry

15) Early Marriage, which is widely _____ in Africa, _____ the lives of the continent and stakeholders should take decisive measures.

Select the choice that contains the pair of words that correctly complete the statement above.

- A/ Practised , excites
- B/ Experienced, appeals
- C/ Leashed , worsen
- D/ implemented , escalates

16) The number of attendants in Teddy Afro's concert was higher than any concert held in Africa; this shows that how much _____ he is.

Select the choice that contains the word that correctly complete the statement above.

- A/ Reputable
- B/ Inconspicuous
- C/ Progenitor
- D/ Prudent

17) The _____ rate of infants in Africa is likely to reduce as long as governments _____ the quality and way of lives of their nations.

Select the choice that contains the pair of words that correctly complete the statement above.

- A/ Fatality , improve
- B/ Death , hamper
- C/ Growth , facilitate
- D/ Birth , overcome

READING COMPREHENSION

DIRECTION: Read the passage below carefully and answer question 18-20 based on the information implied in the passage.

Any criminal justice system is an apparatus that society uses to enforce the standards of conduct necessary to protect individuals and the community. It operates by apprehending, prosecuting, convicting, sentencing these members of the community who violate the basic rules of group existence. The action taken against lawbreakers is designed to serve three purposes beyond the immediately punitive one. It removes dangerous people from the community; it deters others from criminal behaviour and it gives society an opportunity to attempt to transform lawbreakers into law-abiding citizens.

18) We understand from the passage that the basic aim of criminal justice is _____

- A/ the protection of society and its individuals.
- B/ to define socially acceptable behaviour.
- C/ to educate lawbreakers.
- D/ the violation of the law.

19) According to the passage, prosecution is _____

- A/ A process which follows conviction.
- B/ Concerned with the transformation of criminal justice.
- C/ Not to be considered a vital part of the criminal justice system.
- D/ One of the stages in the operation of criminal justice.

20) It is pointed out in the passage that one of the effects of the criminal justice system is to _____

- A/ Give guidelines for group existence.
- B/ Discourage crime.
- C/ Prevent the enforcement of capital punishment.
- D/ Take immediate action against the community.

CLASSIFICATION

DIRECTION: In questions 21-22 three of the words are in the same classification, the remaining one word does not belong to the others. From the given four alternatives, choose the word that does not belong to in the same classification as the others.

21) From the given four alternatives, choose the word that does not belong to in the same classification as the others.

- A/ Date
- B/ Calendar
- C/ Day
- D/ Month

22) From the given four alternatives, choose the word that does not belong to in the same classification as the others.

- A/ Hepatitis
- B/ Cancer
- C/ Measeles
- D/ Tetanus

LOGICAL AND ANALYTICAL REASONING SKILL(23-35).

DIRECTION: You have to assume the statement is true , then consider the conclusions and decide which of them Logically follows beyond a reasonable doubt from the information given in the statement.

23) If we study hard, we will pass Entrance; If we pass Entrance, we will join a university. We have joined a university.

Conclusion I : We studied hard.

Conclusion II : We will join a university.

Conclusion III : We passed Entrance.

A/ Only Conclusion I and II follow.

B/ Only Conclusion III follows.

C/ Only Conclusion II follows.

D/ Only Conclusion I and III follow.

24) Some flowers are roses. No rose is red. All red are leaves.

Conclusion I : Some flowers are definitely not red.

Conclusion II : Some leaves are definitely rose.

A/ Only Conclusion II follows.

B/ Conclusion I and II follow.

C/ Only Conclusion I follows.

D/ Neither Conclusion follows.

25) Should non vegetarian food be totally banned in Ethiopia?

Argument I: yes, it is expensive and therefore it is beyond the means of most people in Ethiopia.

Argument II: No, it should not be banned since restriction on the diet of the people will be denying them their basic human rights.

A/ Only Argument I holds.

B/ Only Argument II holds.

C/ Both arguments hold.

D/ Neither argument holds.

26) Today's children are different from the previous ones. They are more interested in playing video games or sitting hours in play stations than playing outdoor games. They are more technology oriented. These things are depriving children from developing their personality. They lack the stamina and strength of the previous generation.

Which one of the following statement weakens the above given statement.

Conclusion I : The children of present time are not physically active. These children are not being team player. They grow up to become shy instead of being bold and extrovert.

Conclusion II : These gadgets are addicting. They have made the children so much addicted in PC and PS that they do not enjoy the outdoor games any more.

Conclusion III : The children of today are mentally active as this has made children much more organized and mature than the previous ones.

- A/ Only Conclusion III follows.
- B/ Only Conclusion I and II follow.
- C/ Only Conclusion II follows.
- D/ Conclusion I , II and III follow.

27) Some humans are cats. Some humans are dogs. All the dogs are books.

- Conclusion I: Some dogs are cats.
- Conclusion II: Some books are humans.
- Conclusion III: All the humans are poets.

- A/ Only Conclusion I and Conclusion II follow.
- B/ Only Conclusion II follows.
- C/ Only Conclusion I and Conclusion III follow.
- D/ Only Conclusion II and III follow.

28) The cost of producing radios in country Q is ten percent less than the cost of producing radios in country Y. Even after transportation fees and tariff charges are added, it is still cheaper to import radios from country Q to Country Y than to produce radios in country Y.

The statement above, if true, best support which of the following assertions?

- A/ Labour costs in country Q are ten percent below those in country Y.
- B/ Importing radios from country Q to Country Y will eliminate ten percent of the manufacturing job in Country Y.
- C/ The tariff on a radio imported from country Q to Country Y is less than ten percent of the cost of manufacturing the radio in country Y.
- D/ The fee for transporting radio from country Q to Country Y is more ten percent of the cost of manufacturing the radio in country Q.

29) Knowledge is not a skill. It is learning and experience. The illiterate are not those who cannot read and write but those who cannot learn.

The argument above is based on which of the following assumption?

- A/ Those who cannot read and write are literate.
- B/ Knowledge and skill are two different things.
- C/ Skill is the prerequisite for Knowledge.
- D/ Those who cannot learn are not skilled.

30) It is well known that the world urgently needs the adequate distribution of food that everyone gets enough. Adequate distribution of medicine is just as urgent. Medical expertise and medical supplies need to be redistributed throughout the world so that people in emerging nations will have proper medical care.

This paragraph best supports the statement that

- A/ Food production in emerging nations has showed during the past several years.
- B/ Most of the world's doctors are selfish about giving time and money to the poor.
- C/ The medical-supply industry should step up production of its products.
- D/ Many people who live in emerging nations are not receiving proper medical care.

31) In a certain code "MISSIONS" is written as "MSIISNOS".
How is "ONLINE" is written in that code?

- A/ OLNNIE
- B/ ONILEN
- C/ NOILEN
- D/ LNOENI

32) In a family, there are husband-wife , two sons and two daughters. All the ladies were invited to a birthday. Both sons went out to play. Husband did not return from coffee. Who was at home?

- A/ Only wife was at home.
- B/ Nobody was at home.
- C/ Only sons were at home.
- D/ All ladies were at home.

DIRECTION: Study the following information to answer the questions.

There are 8 friends A,B,C,D,E,F,G,H seated in a circle facing the center. AC, DG, HE and FB are seated Adjacent to each other. A is also seated adjacent to H. B is seated second to the right of H. E is seated third to the right of C.

33) What is the Position of C with reference to E?

- A/ fifth to the right
- B/ fourth to the right
- C/ third to the left
- D/ second to the left

34) Who is second to the right of A?

- A/ E
- B/ F
- C/ G
- D/ H

35) Who among the following pairs may not be seated Adjacent to each other?

- A/ AH
- B/ EB
- C/ AB
- D/ AC

DIRECTION: Solve each of the problems given in question 36-55 and choose the best answer.

36) what is the value of x in the following sequence?

16, 8 , 4 , 2 , x , $\frac{1}{2}$, ...

- A/ 1
- B/ 2
- C/ 0
- D/ 3

37) In a lottery, there are 10 prizes and 25 blanks. A lottery is drawn at random. What is the probability of getting a prize?

- A/ $\frac{1}{10}$
- B/ $\frac{2}{5}$
- C/ $\frac{2}{7}$
- D/ $\frac{5}{7}$

38) During an earth quake, two places 'A' and 'B' record its intensity in Richter Scale as 40 and 60 respectively. The ratio of intensity of earthquake at 'A' to that of 'B' is _____

- A/ 1:100
- B/ 117: 224
- C/ 2:3
- D/ 60:40

39) What is the value of x in the following simplification problem?

$$45\% \text{ of } 600 + x\% \text{ of } 480 = 390.$$

- A/ 30
- B/ 20
- C/ 25
- D/ 40

40) The sum of present ages of Biniyam, Daniel and Dawit is 75 years. If 5 years ago the ratio of their age was 3:4:5 respectively. What is the present age of Daniel?

- A/ 26 years
- B/ 25 years
- C/ 32 years
- D/ 65 years

41) Four candidates contested on election for kebele administration and received 20, 40, 30, 10 votes respectively. What is the percentage of the winner?

- A/ 20%
- B/ 25%
- C/ 50%
- D/ 40%

42) If the sum of twice of a number and 50% of a number is 3 more than one fourth of a number. The number is _____

- A/ 3/4
- B/ 1/2
- C/ 4/3
- D/ 2/1

43) Which of the following is less than X , X is a number between 0 and 1?

- A/ X^2
- B/ $1/X$
- C/ $2X$
- D/ $\sqrt{X}$

44) Worker A takes 8 hours to do a job. Worker B takes 10 hours to do a job. How long should it take both A and B, working together to do the same job?

- A/ $4/9$
- B/ $24/9$
- C/ $34/9$
- D/ $44/9$

45) When a number is divided by 2 the result is equal to the result when that number is divided by 100. What is the number?

- A/ 0
- B/ 2
- C/ 100
- D/ 50

46) The mean of U, V, W is 20 and the average of X, Y, Z is 40. What is the arithmetic mean of U, V, W, X, Y, Z ?

- A/ 20
- B/ 30
- C/ 40
- D/ 10

47) An aeroplane cover a certain distance at a speed of 240km/hr in 5 hours. To cover the same distance in 1 hour, it must travel at a speed of :

- A/ 300 km/hr
- B/ 360 km/hr
- C/ 600 km/hr
- D/ 720 km/hr

48) Liya and Tihut together have 1200 birr. if $\frac{4}{5}$ of Liya's amount is equal to $\frac{2}{5}$ of Tihut's , How much amount does Tihut have?

- A/ 400
- B/ 800
- C/ 600
- D/ 1000

49) $0.75 : X :: 5:8$, what is the value of X?

- A/ 1.12
- B/ 1.2
- C/ 1.25
- D/ 1.02

50) Salaries of Samuel and Meron are in the ratio of 2:3. If the salary of each is increased by 4000 birr , the new ratio becomes 40:57 . What is the salary of Meron?

- A/ 24,000
- B/ 34,000
- C/ 28,000
- D/ 38,000

51) Let us assume two Quantities A and B. Quantity A is 30% of X and Quantity B is 50% of Y.

If $X > Y$, then which of the following is correct?

- A/ The two Quantities are equal.
- B/ Quantity A is greater than Quantity B.
- C/ Quantity B is greater than Quantity A.
- D/ The relationship can't be determined from the information given.

52) Look at the pattern carefully: 100 125 200 300 400 425 500 600 700 , which of the following group of numbers comes next?

- A/ 700, 800
- B/ 725, 900
- C/ 725, 800
- D/ 825, 900

53) When five times the number X is added to 12, the result is 32 more than 5. What is the number X?

- A/ 10
- B/ 5
- C/ 15
- D/ 20

54) The sum of three number is 98. if the ratio of the first to the second is 2:3 and that of the second to the third is 5:8, then the value of the second number is ?

- A/ 30
- B/ 20
- C/ 48
- D/ 58

55) What is the value of X in the following sequence?

3240, 540, 108, 27, X, 4.5, ...

- A/ 12
- B/ 9
- C/ 6
- D/ 4.5

DATA INTERPRETATION(56-60)

DIRECTION: The following table gives the percentage of marks obtained by seven students in six different subjects in an examination.

Subject	maths	chemistry	physics	geography	history	IT
MAX	-150	-130	-120	-100	-60	-40
Gamachu	90	50	90	60	70	80
yared	100	80	80	40	80	70
fikir	90	60	70	70	90	70
kemale	80	65	80	80	60	60
tamiru	80	65	85	95	50	90
hagos	70	75	65	85	40	60
chaltu	65	35	50	77	80	80

56) What are the average marks obtained by all the seven students in Physics? (rounded off to two digit after decimal).

- A/ 77.26
- B/ 89.14
- C/ 91.37
- D/ 96.11

57) The number of students who obtained 60% and above marks in all subjects is?

- A/ 1
- B/ 2
- C/ 3
- D/ 4

58) What was the aggregate of marks obtained by Yared in all the six subjects?

- A/ 409
- B/ 419
- C/ 429
- D/ 449

59) In which subject is the overall percentage the best?

- A/ Maths
- B/ Chemistry
- C/ Physics
- D/ History

60) What is the overall percentage of chaltu?

- A/ 52.5%
- B/ 55%
- C/ 60%
- D/ 63%