

General Direction: Write all your answers on the answer sheet.

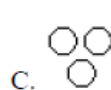
Part I: Numerical Ability (Each 1 Pt.)

- The maximum recommended pulse rate R , when exercising, for a person who is x years of age is given by the equation $R = 176 - 0.8x$. What is the age, in years, of a person whose maximum recommended pulse rate when exercising is 140?
(A) 40 (B) 45 (C) 50 (D) 55 (E) 60
- Dawit has d books, which is 3 times as many as Jafar and $\frac{1}{2}$ as many as Paulos. How many books do the three of them have altogether, in terms of d ?
(A) $\frac{5}{6}d$ (B) $\frac{7}{3}d$ (C) $\frac{10}{3}d$ (D) $\frac{7}{2}d$ (E) $\frac{9}{2}d$
- If $\frac{x}{4}$ is 2 more than $\frac{x}{8}$ then $x =$
(A) 4 (B) 8 (C) 16 (D) 32 (E) 64
- The number $2 - 0.5$ is how many times the number $1 - 0.5$?
(A) 2 (B) 2.5 (C) 3 (D) 3.5 (E) 4
- If Abebe was 32 years old 8 years ago, how old was he x years ago?
(A) $x - 40$ (B) $x - 24$ (C) $40 - x$ (D) $24 - x$ (E) $24 + x$
- The goals of monetary policy do not include
A) Maximum output B) Full employment C) Price stability D) Maximum tax revenue

Directions (7 - 11): Study the following information carefully and answer the questions given below:

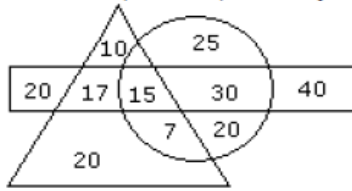
B, D, M, K, P, Q, W and H are sitting around a circle facing at the centre. M is to the immediate right of B who is fourth to the right of K. P is second to the left of B and is fourth to the right of W. Q is second to the right of D who is second to the right of H.

- Who is third to the right of B?
(A) W (B) M (C) K (D) H (E) None of these
- Which of the following represents the immediate neighbors of D?
(A) PQ (B) KH (C) PH (D) KQ (E) PK
- Who is third to the right of W?
(A) P (B) D (C) K (D) R
- Who is second to the left of P?
(A) D (B) H (C) K (D) Data inadequate (E) None of these
- Who is to the immediate left of B?
(A) Q (B) P (C) W (D) Data inadequate (E) None of these
- A sum of money at simple interest amounts to Br. 815 in 3 years and to Br. 854 in 4 years. The sum is:
A. Br. 650 (B) Br. 690 (C) Br. 698 (D) Br. 700
- Ribka took a loan of Br. 1200 with simple interest for as many years as the rate of interest. If she paid Br. 432 as interest at the end of the loan period, what was the rate of interest?
A. 3.6 (B) 6 (C) 18 (D) Cannot be determined (E) None of these
- The average weight of A, B and C is 45 kg. If the average weight of A and B be 40 kg and that of B and C be 43 kg, then the weight of B is:
A. 31 kg (B) 17 kg (C) 20 kg (D) 26 kg
- FAG, GAF, HAI, IAH, _____
A. JAK (B) HAL (C) HAK (D) JAI
- Look at this series: 7, 10, 8, 11, 9, 12, ... What number should come next?
A. 7 (B) 10 (C) 12 (D) 13
- What number comes next: 1, 4, 9, 16, 25, 36, 49, (...)
A. 54 (B) 56 (C) 64 (D) 81
- Look at this series: V, VIII, XI, XIV, __, XX, ... What number should fill the blank?
A. IX (B) XXIII (C) XV (D) XVII
- The sum of two numbers is 25 and their difference is 13. Find their product.
A. 104 (B) 114 (C) 315 (D) 325
- A is two years older than B who is twice as old as C. If the total of the ages of A, B and C be 27, the how old is B?
A. 7 (B) 8 (C) 9 (D) 10
- Which of the following diagrams indicates the best relation between Women, Mothers and Engineers?



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Directions (22 - 26): Study the diagram given below and answer each of the following questions.



- Persons who takes tea
 → Persons who takes coffee
 → Persons who takes wine

22. How many persons who take tea and wine but not coffee? A. 20 B. 17 C. 25 D. 15
23. How many persons are there who take both tea and coffee but not wine? A. 22 B. 17 C. 7 D. 20
24. How many persons take wine? A. 100 B. 82 C. 92 D. 122
25. How many persons are there who takes only coffee? A. 45 B. 90 C. 25 D. 20
26. How many persons takes all the three? A. 20 B. 17 C. 25 D. 15
27. At a loading dock, each worker on the night crew loaded $\frac{3}{4}$ as many boxes as each worker on the day crew. If the night crew has $\frac{4}{5}$ as many workers as the day crew, what fraction of all the boxes loaded by the two crews did the day crew load?
- A. $\frac{1}{2}$ B. $\frac{2}{5}$ C. $\frac{3}{5}$ D. $\frac{4}{5}$ E. $\frac{5}{8}$
28. If $s > 0$ and $\sqrt{\frac{r}{s}} = s$, what is r in terms of s ?
- (A) $\frac{1}{s}$ (B) \sqrt{s} (C) $s\sqrt{s}$ (D) s^3 (E) $s^2 - s$
29. The value of $\log_2 16$ is:
- A. 1/8 B. 4 C. 8 D. 16
30. A store reported total sales of \$385 million for February of this year. If the total sale for the same month last year was \$320 million, approximately what was the percent increase in sales?
- (A) 20% (B) 17% (C) 2% (D) 65% (E) 83%

Part II: Verbal Ability (Each 1 Pt.)

For questions 1 - 16, read the text below and decide which word A, B, C or D best fits each space.

Developing countries

There are (1) 140 countries which (2) to the Third World and which are (3) as developing, less developed and poor countries. Although there are great (4) ... between them, they do have a number of (5) ... in common. For (6) ..., much of the Third World is in poverty. A few exceptions to this rule are Saudi Arabia, Kuwait and Libya. However, because the economies of these three countries (7) ... largely on one export, oil, they are still vulnerable in the world market. Most of the developing countries (8) ... have very little industry. Farming is often the only (9) in which the country can make money. (10) ... worse, many of the countries only produce enough food to (11)... their own populations alive. India is a classic example of this, as (12) ... less than 70 percent of its 870 million people work the land (13) ... a living. Another feature which links less developed countries is life expectancy. People die younger in the Third World because of the poverty in (14)... they live. The poor have much less healthy diets (15) ... in developed countries, and health care is also more (16) ... to be inadequate.

1. A	mostly	B	roughly	C	partly	D	evenly
2. A	include	B	attach	C	connect	D	belong
3. A	said	B	known	C	told	D	taken
4. A	changes	B	disagreements	C	differences	D	varieties
5. A	features	B	sides	C	faces	D	signs
6. A	case	B	instance	C	reason	D	fact
7. A	decide	B	insist	C	lean	D	depend
8. A	then	B	although	C	while	D	still
9. A	way	B	type	C	model	D	method
10. A	most	B	more	C	quite	D	even
11. A	have	B	keep	C	hold	D	make
12. A	a	B	the	C	no	D	too
13. A	as	B	for	C	of	D	to
14. A	which	B	where	C	that	D	whose
15. A	as	B	than	C	like	D	or
16. A	likely	B	probable	C	possible	D	definite

Questions (17-20) : Choose the word which best expresses the meaning of the given word.

17. BRIEF

- A.Limited B.Small C.Little D.Short

18. RESCUE

- A. Command B. Help C. Defence D. Safety

19. ATTEMPT

- A. Serve B. Explore C. Try D. Explain

20. BARE

- A. Uncovered B.Tolerate C.Clear D.Neat

21. Accounts Receivable would be shown on the

- A) debit side of the trial balance C) credit side of the trial balance
B) not on the trial balance D) on both the debit and credit side of the trial balance

22. The _____ shows total revenue minus total expenses.

- A) balance sheet B) income statement C) statement of owner's equity D) cash flow statement

23. Posting involves

- A. transferring information from the income statement to the statement of owner's equity.
B. transferring information ledger to the journal
C. transferring information from the ledger to the balance sheet
D. transferring information from the journal to the ledger

24. A revenue account:

- A. is increased by debits. B. is decreased by credits. C. has a normal balance of a debit. D. is increased by credits

25. The three types of business entities are:

- (A) proprietorships, small businesses, and partnerships. (C) proprietorships, partnerships, and corporations.
(B) proprietorships, partnerships, and large businesses. (D) financial, manufacturing, and service companies.

Part III :- General

1. Write the following names in Amharic (0.5 pt Each)

- A. Endris Hirpasa Guangul
B. Rahmeto Kawo Mechessa
C. Weliyhanns Kerie G/Gergis
D. Mogoro Alachie Utura

የሚከተሉት ስሞች በአንግሊዝኛ ይጻፉ (0.5 pt Each)

- A. ደርዳው ሹመት አመር
B. ሙጬ ተገኘ ጩራ
C. ጦቢያው ጩፋሞ ጦኔቦ
D. ሻሾሬ ዲአው ቃያሞ

2. Write the following numbers in their numeric forms

- A. Fifty-five million, nine hundred ninety thousand
B. Thirty-one million two hundred eighty-six thousand two hundred seventy-one
C. Five hundred thirty thousand eight

Write the following numbers in words

- A. 4,230,453,872
B. 41,018
C. 802,061,057

3. Write short essay on **one** of the following topics (5 pts)

- A. Role of Private Banks in the Ethiopian Economy
B. Advantages and disadvantages of e-banking