

PART - I (SUBJECT RELATED)

English Section

Passage for Reading & Comprehension

Please read the following passage carefully and answer the first fifteen questions set below it. Synonyms and antonyms of the underlined words are mainly set in multiple choices based on contextual meanings of words used in the passage.

There have been many great people who lived for others. They served humanity selflessly body and soul. Their humanitarian services were so noble that they are paid tribute even long after their death. Their valuable services helped reduce suffering and improve conditions that people lived in. We come across such great souls among the people even in these hard times. People remember them respectfully and pay them heart-felt compliments. They are extremely grateful to these altruists, philanthropists and charities. Such friends of humanity become immortal and legendary figures in the annals of human history. They are paid homage long after they are no more with us.

One of these greatest persons who ever lived for humanity at large was Abdul Sattar Edhi, best known as the "Angel of Mercy." He started his humanitarian work in 1951 by establishing a very small dispensary in Karachi. He was mainly brought up by his mother who, according to Edhi, had a great influence on his life. But other members of his family also contributed in shaping his life, including his father and grandfather. However, the person who apparently made Abdul Sattar Edhi the man he became was his mother. He was particularly caring where the old, handicapped or mentally challenged people were concerned. He learnt about love and care from his mother. His mother ensured that he did not waste his time. She was of the view that no one should sit at home idly; everyone should work to earn a living. After his mother's death, Edhi decided to dedicate his whole life to the service of humanity.

He bought an old wagon and converted it into an ambulance. This was the first ambulance service for the poor people. He did not charge for the ambulance service. He even started a funeral service which picked up human bodies found abandoned in the sea or at the roadside. He would even pick up these bodies himself. The ambulance service and the funeral services provided Edhi Foundation an excellent opportunity to grow all over Pakistan.

Edhi changed his life style for his mission. He changed for others. He never lost his positive attitude and confident outlook. He believed in simple living and high thinking. He gave a best example of simplicity, austerity and economy. Edhi died in Karachi about two years ago. The man is gone but the mission will continue to serve humanity. He was taken as a legend in his life and became immortal in the history of Pakistan. He was the first common citizen of Pakistan who received a state funeral.

63. Antivirus, WinZip, WinRAR and disk defragmenter are the examples of _____.

- A. Application Software
- B. Device Drivers
- C. Language Translators
- D. Utilities Software

64. _____ is responsible for converting data into information.

- A. Motherboard
- B. RAM
- C. System Bus
- D. Processor

65. How do you open the Header and Footer toolbar in MS Word?

- A. On the View tab, click Toolbars, and select Header and Footer from the list of toolbars.
- B. On the Insert tab, click Header and Footer.
- C. Right-click any toolbar and click Header and Footer.
- D. None of the above

66. The shortcut key of *hyperlink* option is _____.

- A. Cntrl+K
- B. Cntrl+R
- C. Cntrl+H
- D. Cntrl+L

67. In MS Excel, inside a workbook are sheets, called

- A. Tabs
- B. Worksheets
- C. Spreadsheets
- D. Datasheets

68. Excel's _____ function allows you to add the numbers in multiple cells.

- A. MIN
- B. MAX
- C. SUM
- D. AVERAGE

69. The basic unit of PowerPoint presentation is _____.

- A. Sheet
- B. Document
- C. Table
- D. Slide

70. Which of the following is web browser (s)?

- A. Internet Explorer
- B. Opera
- C. Safari
- D. All of the above

PART-II (GENERAL KNOWLEDGE/I.Q)

71. The Suez Canal connects the _____.
- A. Red Sea and the Arabian Sea
 - B. Red Sea and the North Sea
 - C. Mediterranean Sea and the Arabian Sea
 - D. Mediterranean Sea and the Red Sea
72. The headquarter of Transparency International is located in _____.
- A. New York
 - B. Washington, D.C
 - C. Paris
 - D. Berlin
73. NATO (North Atlantic Treaty Organization) is a/an _____ alliance.
- A. military
 - B. economic
 - C. regional
 - D. cultural
74. Yen is the currency of _____ country.
- A. China
 - B. Japan
 - C. South Africa
 - D. Turkey
75. Prophet Muhammad (PBUH) belonged to _____ family.
- A. Hashmi
 - B. Quraishi
 - C. Makki
 - D. Madni
76. The 2022 FIFA World Cup will be hosted by _____.
- A. Brazil
 - B. Russia
 - C. Qatar
 - D. France
77. What is named to run between Safa and Marwa?
- A. Sayee
 - B. Tasbiah
 - C. Talbih
 - D. Waqoof
78. A device used to measure thickness/ purity of milk is
- A. Hydrometer
 - B. Lactometer
 - C. Perimeter
 - D. Barometer

79. The capital of Iceland is _____?

- A. Loma
- B. Port Vila
- C. Reykjavik
- D. Free Town

80. Ozone Layer restricts:

- A. Gamma Rays
- B. Ultraviolet Rays
- C. X-Rays
- D. Beta Rays

PART-III (PEDAGOGY/ ASSESSMENT/ EDUCATION)

81. In the organization of the school the basic determining factor is the _____ of the school.

- A. Curriculum
- B. Management
- C. Social life
- D. Trainers

82. The curriculum should be _____ on cooperative basis.

- A. Planned
- B. Formulated
- C. Managed
- D. Contributed

83. The staff should examine the programme continuously with/under the _____ of the principal.

- A. Administration
- B. Supporting
- C. Helping
- D. Leadership

84. The scientific development in various fields is brought forward for advising the government by the National _____

- A. Committees
- B. Institutions
- C. Organizations
- D. Academies

85. Education Bureaus were attached to the education departments in the _____

- A. Cities
- B. Town
- C. Countries
- D. Provinces

86. An assessment is _____ if it consistently achieves the same results with the same students.
- A. Valid
 - B. Invalid
 - C. Reliable
 - D. Unreliable
87. A/An _____ assessment is one which measures what it is intended to measure.
- A. Valid
 - B. Invalid
 - C. Reliable
 - D. Unreliable
88. The use of technology to enhance learning process is called _____ in education.
- A. Information Technology
 - B. ICT
 - C. Internet technology
 - D. Communication technology
89. Teachers are closely associated with the process.
- A. Study
 - B. Learning
 - C. Evaluation
 - D. Observing
90. Children should be given an opportunity to the democratic way of life in school.
- A. Learn
 - B. Experience
 - C. Understand
 - D. Knowing
91. Diagnostic assessment assesses students'
- A. IQ
 - B. learning outcomes
 - C. existing learning level
 - D. aptitude
92. Summative assessment assesses students'
- A. progress at the end term/year
 - B. progress during the process of teaching learning
 - C. Cumulative results of term and final papers
 - D. Learning outcomes at the end of every lesson
93. Formative assessment is mostly used during:
- A. teaching learning process in the classroom
 - B. screening test for the appointment in jobs

- C. Admission test of students in graduate programs
D. placement as teacher educators in education programs
94. Sindh Basic Education Program is financially supported by:
A. USAID
B. UNICEF
C. CIDA
D. JICA
95. Retention rate can be calculated when children:
A. Move from a lower grade to upper grade
B. Are enrolled in school
C. Retain the same grade for more than a year
D. Stops schooling at a certain grade
96. The Percentage of grade specific age children enrolled in the same grade is called:
A. Gross Enrolment Rate
B. Net Enrolment Rate
C. Total Enrolment Rate
D. Overall Enrolment Rate
97. As per schools consolidation policy the administrative head of the campus school will be:
A. Head Teacher
B. Principal
C. Admin Officer
D. Academic Coordinator
98. The level of a consolidated school will be decided;
A. On the discretion of Educational Manager of District
B. By the secretary education
C. On the basis of highest grade level taught in the school
D. On the basis of available space and facilities
99. A shared vision of a school is designed and owned by:
A. School head, teachers & students
B. District Ed. head, school head, teachers & students
C. Community, School leadership, teachers & Students
D. Education leaders and managers at province level
100. The core business and the centre of school activities is;
A. School Discipline
B. Learning of everyone in the school
C. Best Teaching
D. Managing academics

1. The first paragraph of the passage is mainly about _____.
 - A. general description of people who lived for others
 - B. humanitarian services
 - C. some great people
 - D. friends of humanity
2. The underlined words "altruists" "philanthropists" and "charities" appearing in the end of the first paragraph are almost _____ in meanings.
 - A. homophonous
 - B. homonymous
 - C. similar
 - D. dissimilar
3. Edhi's mother was very particular about _____.
 - A. service of humanity
 - B. love and care
 - C. living and caring
 - D. time and work
4. The underlined words "tribute" and "homage" used in the first paragraph are almost _____.
 - A. antonyms of each other
 - B. synonyms of each other
 - C. a pair of words
 - D. words liable to be confused
5. Overall information that the passage gives is about _____.
 - A. service of humanity
 - B. service above self
 - C. biography and achievements of a legend
 - D. charity and human welfare

Synonyms

6. They served humanity selflessly body and soul.
 - A. unselfishly
 - B. devotedly
 - C. efficiently
 - D. sincerely
7. We came across such great souls among the people even in these hard times.
 - A. to understand
 - B. to meet or find somebody by chance
 - C. to provide or supply something when you need it
 - D. to come to know something all of sudden
8. People remember them respectfully and pay them heart-felt compliments.
 - A. real
 - B. faithful
 - C. sincere
 - D. true
9. Other members of his family also contributed in shaping his life.
 - A. shared
 - B. gave
 - C. donated
 - D. added
10. He was particularly caring where the old, handicapped people were concerned.
 - A. careful
 - B. generous
 - C. sympathetic
 - D. kind and helpful

Antonyms

11. Their valuable services helped reduce suffering and improve conditions that people lived in.
A. invaluable B. valueless C. cheap D. ordinary
12. His mother ensured that he did not waste his time.
A. conserve B. preserve C. save D. economise
13. She was of the view that no one should sit at home idly.
A. engaged B. at work C. businesslike D. busily
14. Everyone should earn his living.
A. waste B. consume C. spend D. utilise
15. This was the first ambulance service for the poor people.
A. disservice B. misservice C. disobedience D. unservice

Use of Preposition:

Instructions: Five sentences are given below. In each sentence, you have to put a correct preposition. Choose the correct preposition for every sentence and shade its answer A, B, C or D against the corresponding number in the answer sheet.

16. The toy car rolled _____ the chair.
A. over B. upon C. around D. on
17. The boys looked left and right before running _____ the road.
A. along B. across C. to D. down
18. Many trees have been planted all _____ the street.
A. along B. on C. across D. over
19. Walk _____ this tunnel to get to the other side.
A. into B. across C. in D. through
20. She pinned a piece of blank paper _____ her poster.
A. to B. with C. for D. against

Math Section

21. The high temperatures for a 5-day period were as follows.



Monday:	75°F
Tuesday:	82°F
Wednesday:	78°F
Thursday:	84°F
Friday:	81°F

What was the mean (average) high temperature for the 5-day period?

- A. 75° F B. 78° F C. 80° F D. 81° F

22. Tom has Δ marbles. Bob has 10 marbles. Tom has 3 more marbles than Bob. Which number sentence is correct?

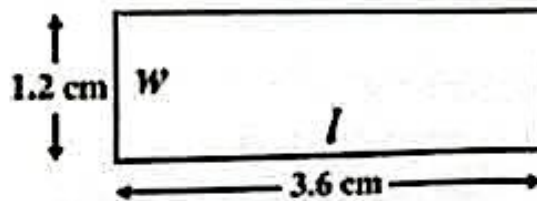
- A. $\Delta + 10 = 3$ B. $10 - \Delta = 3$
C. $3 + \Delta = 10$ D. $\Delta - 3 = 10$

23. How many of the following numbers are prime?

7	8	9
10	11	12
13	14	15
16	17	18

- A. 2 B. 3 C. 4 D. 12

24. The actual width (w) of a rectangle is 18 centimeters (cm). Use the scale drawing of the rectangle to find the actual length (l).



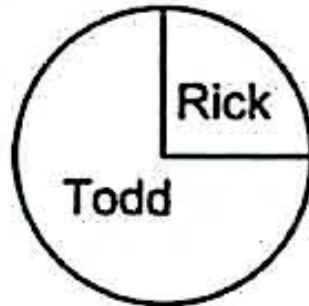
- A. 6 cm B. 24 cm C. 36 cm D. 54 cm

25. A rectangle has a length of $x^3 - x + 2$ and a width of $x + x^2$. What is the area of the rectangle when $x = 2$?

- A. 24 square units
- C. 48 square units

- B. 36 square units
- D. 128 square units

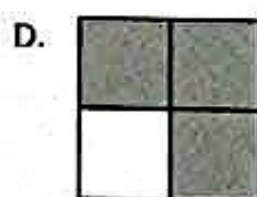
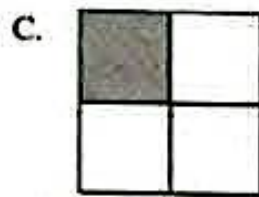
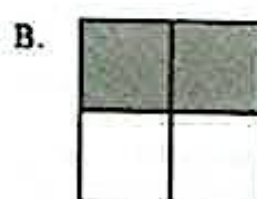
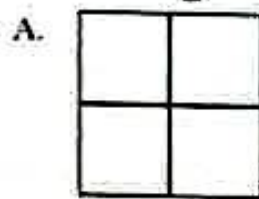
26. Rick and Todd bought a pizza. From the graph, determine about how much of the pizza Rick ate and how much Todd ate.



- A. Rick 25% and Todd 75%
- B. Rick 75% and Todd 25%
- C. Rick 70% and Todd 30%
- D. Rick 50% and Todd 50%

27. Which shaded part of the following pictures best shows

$$\frac{1}{2} + 2.5 \times 10^{-1}.$$



28. An insect population in a lab has 2^{16} insects. If the population doubles, how many insects will there be?

A. 2^{17}

B. 2^{32}

C. 4^{16}

D. 4^{32}

29. If $A = p + prt$, then t equals:

A. $\frac{A-1}{r}$

B. $\frac{A}{pr} - p$

C. $\frac{A+p}{pr}$

D. $\frac{A-p}{pr}$