

STS JEST PAST PAPER- 2018

PART-I (SUBJECT RELATED)

ENGLISH SECTION

Passage for Reading & Comprehension

Please read the following passage carefully and answer the following first fifteen questions set below it.

Accidents are common these days, especially road accidents. There are some reasons why these accidents happen and cause injury or damage. Many people are killed or seriously injured in these accidents. One in seven accidents is caused by sleepy drivers. There are the road safety rules that most people do not follow and that is why accidents take place every day and everywhere.

According to the latest information, all these who use the roads are responsible for accidents. They include pedestrians, truck and bus drivers. Motorcyclists drive very fast without using helmets to protect their heads. Some of them perform dangerous and difficult stunts. Children play in the streets and in this way they invite dangers and often get hurt. Sometimes they risk their lives while playing dangerous sports. Some dirty little street urchins run after moving vehicles just for fun. Some naughty children run in front of moving vehicles. Some people cross busy roads just to gain a few split seconds. School children cross roads in a hurry from wrong side. All these foolish hasty movements often cause accidents.

However, there are some suitable measures through which bad accidents can be averted. Of them, safety factors are most important. They include certain plans. The media can give people road safety instructions. Local police can impart knowledge about traffic safe travel, hazard-free driving and risk-free ride.

In this regard, parents can play an important role and save their children's lives by advising them not to endanger their lives on busy roads and in or at places exposed to dangler. They must not allow their children to drive without a driving licence. Moreover, they should advise them on road safety rules, traffic rules, and safe driving.

1. **The first paragraph of the passage is mainly about _____.**
A. The road safety rules
B. Roads make travel easy
C. Road traffic accidents
D. Safe travel
2. **The second paragraph of the passage is mainly about _____.**
A. truck drivers and pedestrians
B. bus drivers and motorcyclists
C. fast driving and children playing in the streets
D. major reasons why accidents occur
3. **The third paragraph of the passage is mainly about _____.**
A. The traffic education and traffic rules
B. Safety factors that can make roads safe for use
C. A number of strategies and the media
D. Safety instructions, schools, local police stations and the traffic police
4. **The last (fourth) paragraph of the passage, containing some pieces of advice for parents, conveys an _____ sense of safety of families.**
A. imperative
B. obligatory
C. instructive
D. essential
5. **Style of writing or mode of communication in which the above passage has been composed is _____.**
A. expository
B. descriptive
C. narrative
D. analytical

Synonyms

6. Many people are killed or **seriously** injured in these accidents.
A. critically
B. particularly
C. especially
D. very
7. One in seven accidents is caused by **sleepy** drivers.
A. dormant
B. inactive
C. drowsy
D. unconscious
8. According to **the latest** information, all those who use roads are responsible for accidents.
A. earliest
B. the most modern
C. foremost
D. the most recent
9. Some **naughty** children run in front of moving vehicles.
A. mischievous
B. making fun of others
C. clever
D. very bad
10. However, there are some suitable measures through which bad accidents can be **averted**.
A. checked
B. stopped
C. neglected
D. avoided

Antonyms

11. Motorcyclists drive very fast **without** using helmets to protect their heads.
 A. within B. with C. withhold D. withstand
12. Children play in the streets and in this way they **invite** dangers.
 A. resist B. hate C. avert D. stop
13. Some people cross **busy** roads just to gain a few split seconds.
 A. clear B. empty C. vacant D. clean
14. All these **hasty** movements often cause accidents.
 A. slow B. deliberate C. measured D. thoughtful
15. Of them, safety factors are **most important**.
 A. least important B. some important C. any important D. quite important

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. Many minerals were found _____ the surface of the earth.
 A. under B. below C. into D. within
17. A huge crowd is waiting _____ the stadium.
 A. before B. outside C. at D. near
18. The coin rolled _____ the sofa.
 A. over B. upon C. under D. below
19. We learn a lot _____ the people of Pakistan _____ this poem.
 A. about, in B. for, from C. of, by D. from, in
20. I had studied Japanese _____ keen interest before I went to study _____ Japan.
 A. in, in B. by, at C. with, in D. for, into

MATH SECTION

21. A drink contains 20% mango juice and the rest is apple juice. What is the ratio of mango juice to apple juice?

- A. 1: 4 B. 1: 20 C. 4: 1 D. 20: 1

22. If 8 bags of chips cost \$10.32; how much will you pay for 20 bags?

- A. \$25.80 B. \$23.80 C. \$28.50 D. \$25

23. A recipe serves 10 people and uses 3 cups of flour. If you want to make the recipe for 15 people, how many cups of flour should you use?

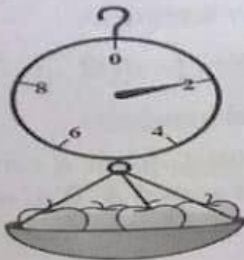
- A. 45 cups B. 30 cups C. 5.5 cups D. 4.5 cups

24. What is the value of the expression shown below when $a = 36$, $b = 12$, and $c = 2$?

- A. 9 B. 18 C. 27 D. 81

$$3(a \div b)^c$$

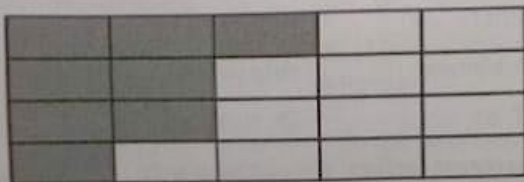
25. The scale shows how much 4 apples weigh. How much would 10 apples of the same size weigh?

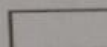


- A. 5Kg B. 6Kg C. 7Kg D. 4Kg

26. The shaded parts of the diagram represent the spaces that are reserved. What percent of the spaces is reserved?

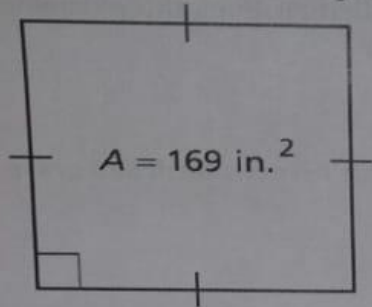
Parking Lot



 = one parking space

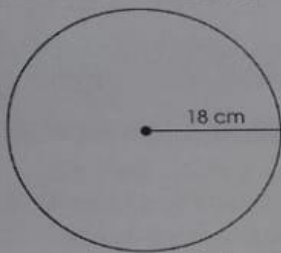
- A. 20% B. 30% C. 40% D. 50%

27. The area of a square is determined using the formula $A = s^2$. What is the length, in inches, of each side of this square?



- A. 13 in. B. 14 in. C. 42.25 in. D. 84.5 in.

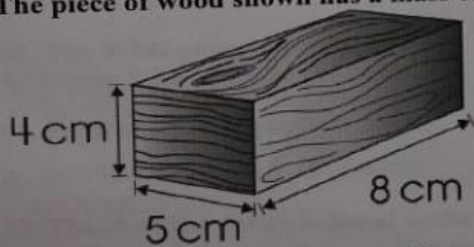
28. A circle is shown.



Which statement about the circle is true?

- A. The diameter is 9 cm. B. The diameter is 36 cm.
C. The radius is 9 cm. D. The radius is 36 cm.

29. The density of an object can be determined using the formula $\text{Density} = \text{Mass}/\text{Volume}$. The piece of wood shown has a mass of 16 grams.



What is the density of the piece of wood?

- A. 0.1 g/cm^3 B. 0.9 g/cm^3 C. 10.0 g/cm^3 D. 11.5 g/cm^3

30. 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 B. 36 square units
C. 48 square units D. 128 square units

GENERAL SCIENCE SECTION (PHYSICS/CHEMISTRY/BIOLOGY/COMPUTER)

31. If a sound wave strikes a surface and return back into first medium, this phenomenon is called

- A. refraction of sound B. deflection of sound
C. defraction of sound D. reflection of sound

32. The characteristic of sound by which we can differentiate between shrill and grave sound is

- A. frequency B. loudness
C. pitch D. quality

33. The to and fro movement of pendulum is known as

- A. Amplitude B. vibration
C. waves D. pitch

34. The heat from sun reaches to earth in form of waves called

- A. fusion B. convection
C. radiation D. conduction

35. A plane mirror forms an image that is

- A. real and upright. B. virtual and upright.
C. real and upside down D. virtual and upside down

36. All electromagnetic waves travel through a vacuum at

- A. the same speed
B. speeds that are proportional to their frequency
C. speeds that are inversely proportional to their frequency
D. None of the above

37. Which of the following correctly lists electromagnetic waves in order from longest to shortest wavelength?

- A. gamma rays, ultraviolet, infrared, microwaves
B. microwaves, ultraviolet, visible light, gamma rays
C. radio waves, infrared, gamma rays, ultraviolet
D. television, infrared, visible light, X-rays

38. Electric current is measured by

- A. Oscilloscope B. Voltmeter C. Rheostat D. Ammeter

39. A Voltmeter is always connected in a circuit in

- A. Parallel B. Series C. Some time in series D. Both series and parallel

40. Two masses attract each other, the force is called

- A. gravitational force B. friction C. pull D. push

41. When calcium carbonate reacts with dilute hydrochloric acid, _____ gas is produced.

- A. hydrogen B. oxygen C. chlorine D. carbon dioxide

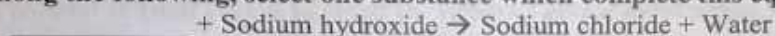
42. Greenhouse effect is an environmental problem which is caused by increasing amount of _____ in the atmosphere.

- A. nitrogen B. hydrogen C. helium D. carbon dioxide

43. The reaction in which an acid and a base react to form salt and water only is known as _____ reaction.

- A. addition B. combustion C. neutralization D. combustion

44. Among the following, select one substance which complete this equation:



- A. sodium B. chlorine C. Hydrochloric acid D. Chlorine oxide

45. The most abundant element found in human body by weight is _____.

- A. Carbon B. Oxygen C. Aluminum D. Nitrogen

46. Atom is concentrated in

- A. Protons B. Electrons C. Nucleus D. None of these

47. Protons and neutrons aretime heavier than electrons.

- A. 1826 B. 1836 C. 1736 D. 1846

48. What can be deduced from the symbol ${}^4_2\text{He}$?

- A. An atom of helium contains two electrons
B. An atom of helium has two protons and four neutrons in its nucleus.
C. Helium has a proton (atomic) number of 4
D. Helium occurs as a diatomic molecule

49. In periodic table elements are arranged according to

- A. Increase in atomic weight
B. Increase in atomic number
C. Both a & b
D. None of the above

50. The noble gases in periodic table are placed in

- A. Group VIII B. Group II C. Group III D. Group VI

51. Food chain always starts from

- A. Producer B. Consumer C. Decomposer D. Scavenger

52. The chemical formula for of ozone gas is

- A. O₂ B. O₃ C. O₄ D. O₅

53. Recognize the part of eye which control the amount of light entering inside the eye is

- A. Cornea B. Pupil C. Lens D. Retina

54. Sphygmomanometer is type of meter that is used to measure

- A. Blood pressure B. Temperature C. Humidity D. Vision

55. This is Layer of atmospheric gas that absorbs harmful ultraviolet rays from Sun

- A. troposphere B. ozone layer C. thermosphere D. mesosphere

56. The function of oesophagus in digestive system is to

- A. Digest the food B. Store the food
C. Excrete the food D. Pass the food to the stomach

57. The movement of sugar from leaves to different parts of plants body is termed as

- A. Transpiration B. Transportation C. Translocation D. Transcription

58. Which organ is made up of air-carrying tubes and tiny sacs?

- A. Lungs B. Stomach C. Brain D. Diaphragm

59. Respiration involves:

- A. chemical processes B. Biochemical processes
C. Physical process D. mechanical and bio-chemical process

60. In human and higher animals the exchange of gases is carried out by:

- A. respiratory system B. excreting system
C. digestive system D. Circulatory system

Computer/I.T

61. The extension of word 2010 document is -----.

- A. doc C. docs
B. docx D. docd

62. The short key to print a document is _____.

- A. Ctr+P C. Ctr+O
B. Alt+P D. Ctr+R

63. In MS Excel, if B3 ids the address of a cell then B is its:

- A. column number C. row number
B. cell address D. table address

64. In MS Excel, *VLOOKUP* is.

- A. Mathematical function C. financial function
B. Logical function D. look up and reference function

65. In MS PowerPoint we press _____ key to start slide show from current slide.

- A. Shift+F5 C. F5
B. Ctr+F5 D. Alt+F5

66. Computer's performance is influenced by

- A. Speed of System Clock C. Memory access time
B. Bus width D. All of Above

67. File management is responsibility of:

- A. RAM
- B. Task manager
- C. Operating system
- D. BIOS

68. An operating system is a:

- A. Utility program
- B. System Software
- C. Application Software
- D. Firmware

69. Web page can be created using

- A. Web browser
- B. HTTP
- C. Web server
- D. HTML

70. The speed of CPU is measured in:

- A. Mbytes
- B. mbps
- C. MHz
- D. Micro-secs

PART-II (GENERAL KNOWLEDGE/I.O)

71. Third source of Islamic *Fiqh* is _____

- A. Qayas
- B. Hadith;
- C. Ijma
- D. Ijtihad

72. Magna Carta is a charter of

- A. Democracy
- B. Child rights
- C. Human rights
- D. Women rights

73. World Trade Organization (WTO) was established in _____

- A. 1980
- B. 1990
- C. 1995
- D. 1981

74. ECG is used for the diagnosis of the ailment of the _____

- A. Lungs
- B. Heart
- C. Brain
- D. Kidneys

75. World peace day is celebrated on _____ every year.

- A. 21 September
- B. 21 October
- C. 23 March
- D. 14 August

76. Qantas is the airline of _____ country.

- A. Britain
- B. Russia
- C. Australia
- D. Holland

77. Who becomes Acting President in the absence of President of Pakistan?

- A. Prime Minister
- B. Speaker of the National Assembly
- C. Chairman of the Senate
- D. Senior Minister in the Federal Cabinet

78. Who presented Lahore Resolution on 23rd March, 1940 at Minto park?

- A. Allama Iqbal
- B. Sir Muhammad Zafarullah Khan
- C. Liaquat Ali Khan
- D. Mulvi A.K. Fazlul-Huq

79. Namaz-e-Kasoof is offered at the time of _____

- A. Lunar eclipse
- B. Heavy Rain
- C. Solar eclipse
- D. Earthquake

80. _____ Muslims fought in the battle of Ghazwa-e-Badr.
A. 313 B. 315 C. 316 D. 314

PART-III (PEDAGOGY/ ASSESSMENT/ EDUCATION)

81. The level of school achievement can best be judged through
A. Head teacher B. Well-furnished building
C. Students Learning Achievement D. Teachers students relations
82. Which institute/office is responsible for teacher education policy development in the province of Sindh?
A. Reform support Unit
B. PITE Sindh
C. Sindh Teacher Education Development Authority (STEDA)
D. Sindh Textbook Board
83. S.N.E is an abbreviation of:
A. Schedule of New Experience B. Schedule of New Entry
C. Schedule of New Expenditure D. System of New Entry
84. Under National Education Policy 1972, free education was recommended up to class?
A. 5 B. 12 C. 10 D. 16
85. Curriculum development refers to the total process of curriculum?
A. Designing B. Designing and Implementing
C. Designing and Evaluating D. Designing, Implementing and Evaluating
86. In Millennium Development Goals (MDGs) the Goal # 2 is related to
A. Child Mortality B. Poverty
C. Universal Primary Education D. Environmental sustainability
87. The simplest skill in cognitive domain of Bloom's taxonomy is
A. remembering B. understanding C. evaluating D. synthesizing
88. The highest level of cognitive domain is:
A. Application B. Knowledge C. Synthesis D. Evaluation
89. Which article of the Constitution of Pakistan obligates the state to provide free and compulsory education to children of the age group 5 to 16 years?
A. 52-B B. 25-A C. 27-C D. 29-B
90. The National Professional Standards for Teachers in Pakistan were developed to raise the quality of teachers, among 10 standards; the standard # 7 focus on:
A. Assessment C. Learning Environment
B. Effective Use of Information, Communication Technology D. Subject matter knowledge

91. The word "Curriculum" derived from:
A. Chinese Language
B. English Language
C. Greek Language
D. Latin Language
92. Ontology related to the nature of:
A. Reality
B. Value
C. Knowledge
D. Culture & Society
93. The literal meaning of course is"
A. Bunch of books
B. Light
C. Path
D. Height
94. Text book boards were established in the provinces of Pakistan in:
A. 1960
B. 1964
C. 1962
D. 1966
95. Teacher explores the level of understanding, interest & attention of a child through:
A. Assessment
B. Evaluation
C. Examination
D. Measurement
96. An assessment use to identify difficulties in the learning process is called
A. initial assessment
B. diagnostic assessment
C. formative assessment
D. summative assessment
97. An assessment use to determine a person's ability in a particular field of studies is called
A. aptitude test
B. diagnostic test
C. evaluation
D. measurement
98. It is the process of collecting, synthesizing, and interpreting information to aid in decision-making.
A. Assessment
B. Testing
C. Examination
D. Evaluation
99. The outline of the contents is?
A. Course
B. Programe
C. Syllabus
D. All of above
100. Summative evaluation takes place?
A. In the beginning
B. In the middle
C. At the end
D. None

[The End]



SUKKUR IBA TESTING SERVICES

MERIT - TRANSPARENCY - TECHNOLOGY

ANSWER KEY_ JUNIOR ELEMENTARY SCHOOL TEACHER (BPS-14)

AT SCHOOL EDUCATION & LITERACY DEPARTMENT

GOVERNMENT OF SINDH

TEST HELD ON SUNDAY, NOVEMBER 11, 2018

Q#	Answer	Q#	Answer	Q#	Answer	Q#	Answer	Q#	Answer	Q#	Answer	Q#	Answer	Q#	Answer	Q#	Answer	Q#	Answer
1	C	11	B	21	A	31	D	41	D	51	A	61	B	71	C	81	C	91	D
2	D	12	C	22	A	32	C	42	D	52	B	62	A	72	C	82	C	92	A
3	B	13	A	23	D	33	B	43	C	53	B	63	A	73	C	83	C	93	C
4	C	14	B	24	C	34	C	44	C	54	A	64	D	74	B	84	C	94	C
5	A	15	A	25	A	35	B	45	B	55	B	65	A	75	A	85	D	95	A
6	A	16	A	26	C	36	A	46	C	56	D	66	D	76	C	86	C	96	B
7	C	17	B	27	A	37	D	47	B	57	C	67	C	77	C	87	A	97	A
8	D	18	C	28	B	38	D	48	A	58	A	68	B	78	D	88	D	98	A
9	A	19	A	29	A	39	A	49	B	59	D	69	D	79	C	89	B	99	C
10	D	20	C	30	C	40	A	50	A	60	A	70	C	80	A	90	B	100	C