

Questions 1-5 are based on the following passage.

Culture is not merely learning. It is discrimination, understanding of life. Liberal education aims at producing moral gifts as well as intellectual, sweetness of temper as much as sanity of outlook. Into the art of living, the cultured man carries a certain grace, a certain refinement, certain distinction which redeems him from the sterile futility of aimless struggle. Culture is not a pose of intellect or a code of convention, but an attitude of life which finds nothing human, alien, common or unclean. An education that brings up a young man in entire indifference to the misery and poverty surrounding him, to the general stringency of life, to the dumb pangs of tortured bodies and the lives submerged in the shadows, is essentially a failure. If we do not realise the solidarity of the human community, nor have relations with those whom the world passes by as the lowly and the lost, we are not cultured.

1. Which of the following statements best expresses the theme of the passage?

- A. Culture lends grace and sanity to man.
- B. , Culture and education are complementary to each other.
- C. Liberal education makes man cultured.
- D. Education brings man closer to life.

2. According to the writer, the function of liberal education is to:

- A. change the outlook of a person
- B. increase intellectual powers
- C. improve a person morally
- D. develop sensitivity to human dignity

Consider the following:

- I. Brotherhood of man
- II. Understanding of pain and suffering
- III. Better human relations
- IV. Sweetness of temper

Which of the above expressions describes proper education?

4. Culture redeems a person from the sterile futility of aimless struggle because:

- A. it makes man learned
- B. it makes man more intelligent
- C. it brings about a better understanding of life
- D. it prepares man for struggle

5. Education is sometimes a failure. Which one of the following is most likely reason for this?

- A. It improves the intellect only.
- B. It does not prepare man for struggle.
- C. It does not make man refined.
- D. It carries a man away from life around him.

Complete the sentences by choosing the most appropriate option, from the given lettered choices (A to D/E) below each.

6. All communication with outside world has been cut _____.

- A. out
- B. away
- C. down
- D. off

7. If you wait here, I _____ if the Manager is in.

- A. would see
- B. will have seen
- C. would have seen
- D. will see

8. He was elected _____ of the Debating Society.

- A. president
- B. as President
- C. for President
- D. to President

9. How memory is viewed in terms of intelligence _____ a matter of much debate in educational circles.

- A. is

Each of the following questions consists of a sentence with all or part of the sentence underlined. Following the requirements of standard written English, select (A) if the original is best; otherwise choose the best phrase from the options.

23. They carried signs, and passing shoppers were urged by them to buy products that were made in Pakistan.

- A. They carried signs, and passing shoppers were urged by them
- B. They carry signs and urge passing shoppers, the
- C. Carrying signs and urging passing shoppers, they asked them
- D. The workers carried signs that urged the passing shoppers
- E. These signs urged passing shoppers

24. Aneela liked to watch television, of which she found the science programs especially fascinating.

- A. television, of which she found the science programs especially fascinating
- B. television; she found the science programs especially fascinating
- C. television, and it was especially the science programs that were of fascination
- D. television; the fascination of the science programs was especially
- E. television, especially fascinating to her were the science programs

25. For the past few days, one of our teachers were so absent-minded that we became concerned.

- A. were so absent-minded that we became concerned
- B. were so absent-minded; that we became concerned
- C. were so absent-minded that that we became concerned
- D. was so absent-minded that we became concerned; so we became concerned

27. Hockey fans in the 1990s saw more violence on the rink than the 1950s and 1960s.

- A. than
- B. than did
- C. than the hockey of
- D. than with the fans in
- E. than did fans in

Choose the lettered word or phrase that is most nearly opposite in meaning to the word in capital letters.

28. HONOR:

- A. breach
- B. illusion
- C. inference
- D. argument

29. BOMBASTIC:

- A. humble
- B. overbearing
- C. creative
- D. selfish
- E. astounded

30. GHASTLY:

- A. stupendous
- B. infectious
- C. lovely
- D. acceptable
- E. standard

31. ALTER:

- A. remember
- B. disrupt
- C. reorganize
- D. enjoy
- E. maintain

32. OFFICIAL:

- A. domestic

33.OPTIONAL:

- A. ordered
- B. alternative
- C. compulsory
- D. enemy

34.ROUGHLY:

- A. exactly
- B. completely
- C. pointedly
- D. largely

35.TEMPORARY:

- A. urgent
- B. youthful
- C. original
- D. everlasting
- E. unfaithful

Questions 36-42

The names of six players of a game are: U, V, W, X, Y and Z. Three of the players are male and three are female. The six players have formed three teams of two players each, comprising one female and one male. In an upcoming tournament, each team will play in one of exactly three rounds; first (earliest), second and third (latest). The following conditions will apply for team composition and round of play:

Y will not play in the first or third rounds.

X will not play in a later round than U.

Z, who is female, will play in a later round than W, who is male.

36. If Y is female and U plays in an earlier round than W, then which one of the following must be true?

- A. U is male.
- B. V is male.
- C. W plays in the third round.
- D. X is female.
- E. Z plays in the second round.

37. If Z plays in round 2, then which one of the following players could play in the round immediately following X's round and be the same gender as X?

- A. U
- B. V
- C. W
- D. Y
- E. Z

38. Which one of the following is a complete and accurate list of the players, any one of whom could be female and playing in round 1?

- A. U, V, W and Z
- B. U, V, X and Z
- C. U, X and Z
- D. V and X
- E. Y and Z

40. If W is the same gender as U and plays in the round immediately following U's round, then which one of the following must be true?

- A. V plays in the first round.
- B. V is the same gender as Y.
- C. V is female.
- D. X plays in the first round.
- E. X is male.

41. Which one of the following could be an accurate list of the male and female players listed in the round in which they will play?

		ROUND 1	ROUND 2	ROUND 3
A.	MALE	V	U	W
	FEMALE	X	Y	Z
B.	MALE	W	X	U
	FEMALE	Y	V	Z
C.	MALE	W	Y	X
	FEMALE	U	Z	V
D.	MALE	X	W	V
	FEMALE	U	Y	Z
E.	MALE	X	W	Z
	FEMALE	V	Y	U

42. If V and X are on the same team, then which one of the following statements must be true?

- A. U and W are on the same team.
- B. U and Z are on the same team.
- C. W and Z are on the same team.
- D. Y is male.
- E. Z plays in a later round than U.

Questions 43-49

The Bajwas have seven daughters, each born two years apart. Their ages are 7, 9, 11, 13, 15, 17 and 19. Their names are Hajra, Irum, Javeria, Kiran, Laraib, Mona and Nida. The following conditions must be met:

Javeria is older than Mona.

Hajra is older than Laraib but younger than Irum. Either Irum or

Laraib is 13 years old.

Nida is younger than Javeria.

ages between Mona and Nida is at least three years

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- A. V plays in the first round.
- B. V is the same gender as Y.
- C. V is female.
- D. X plays in the first round.
- E. X is male.

41. Which one of the following could be an accurate list of the male and female players listed in the round in which they will play?

	ROUND 1	ROUND 2	ROUND 3
A. MALE	V	U	W
FEMALE	X	Y	Z
B. MALE	W	X	U
FEMALE	Y	V	Z
C. MALE	W	Y	X
FEMALE	U	Z	V
D. MALE	X	W	V
FEMALE	U	Y	Z
E. MALE	X	W	Z
FEMALE	V	Y	U

42. If V and X are on the same team, then which one of the following statements must be true?

- A. U and W are on the same team.
- B. U and Z are on the same team.
- C. W and Z are on the same team.
- D. Y is male.
- E. Z plays in a later round than U.

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Javeria is older than Mona.

Hajra is older than Laraib but younger than Irum. Either Irum or

Laraib is 13 years old.

Nida is younger than Javeria.

The difference in ages between Mona and Nida is at least three years.

43. Which one of the following must be true?

- A. Hajra is the oldest.

Javeria.

44. If Laraib is 4 years younger than Irum, then which one of the following could be true?

- A. Mona is 9 years old.
- B. Hajra is 17 years old.
- C. Javeria is 15 years old.
- D. Hajra is 9 years old.
- E. Javeria is 19 years old.

45. Which one of the following could be the order of the ages of the seven daughters from youngest to oldest?

- A. Laraib, Hajra, Kiran, Irum, Mona, Nida, Javeria
- B. Mona, Hajra, Nida, Laraib, Javeria, Irum, Kiran
- C. Nida, Kiran, Mona, Laraib, Hajra, Irum, Javeria
- D. Mona, Laraib, Nida, Hajra, Irum, Javeria, Kiran
- E. Laraib, Mona, Hajra, Irum, Javeria, Nida, Kiran

46. If Irum is older than Javeria, then how many different possible orders are there for the ages of the seven daughters?

- A. one
- B. two
- C. three
- D. four
- E. eleven

47. Which one of the following could be true?

- A. Kiran is two years older than Hajra.
- B. Javeria is two years younger than Mona.
- C. Laraib is two years younger than Kiran.
- D. Javeria is two years older than Hajra.
- E. Hajra is two years older than Kiran.

48. All of the following could be true except:

- A. If Laraib is 13 years old, then Mona is 7 years old.
- B. If Hajra is 15 years old, then Nida is 7 years old.
- C. If Irum is 13 years old, then Kiran is 7 years old.
- D. If Irum is 17 years old, then Kiran is 9 years old.
- E. If Hajra is 11 years old, then Mona is 7 years old.

If Kiran is older than Javeria, then Irum must be:

- A. 9 years old

Which one of the following could be the order of the seven daughters from youngest to oldest?

- A. Laraib, Hajra, Kiran, Irum, Mona, Nida, Javeria
- B. Mona, Hajra, Nida, Laraib, Javeria, Irum, Kiran
- C. Nida, Kiran, Mona, Laraib, Hajra, Irum, Javeria
- D. Mona, Laraib, Nida, Hajra, Irum, Javeria, Kiran
- E. Laraib, Mona, Hajra, Irum, Javeria, Kiran, Nida

If Irum is older than Javeria, then how many orders are there for the ages of the seven daughters?

- A. one
- B. two
- C. three
- D. four
- E. eleven

Which one of the following could be true?

- A. Kiran is two years older than Hajra
- B. Javeria is two years younger than Irum
- C. Laraib is two years younger than Kiran
- D. Javeria is two years older than Hajra
- E. Hajra is two years older than Kiran

If the following could be true:

Questions 50-54

In a birds' shop, different colors of parrots occupy all ten cages on a rack. Each cage is completely occupied by a parrot category:

- Yellow parrots occupy one cage, blue parrots occupy two cages, green parrots occupy three cages and white parrots occupy four cages.
- Blue parrots occupy adjacent cages.
- Blue and white parrots are not on adjacent cages.
- The top and bottom cages are occupied by green parrots.
- Yellow and green parrots are not on adjacent cages.

50. If Yellow parrots are on cage 5 and blue is on cage 4, which of the following must be true?

- A. Cage 2 is occupied by white.
- B. Cage 6 is occupied by green.
- C. Cage 7 is occupied by green.
- D. Cage 8 is occupied by green.
- E. Cage 9 is occupied by white.

51. Which of the following are parrots that cannot occupy cages 2, and 4, respectively?

- A. Blue, Blue, Green
- B. White, White, Yellow
- C. White, White, White
- D. Green, White, Yellow
- E. Green, Blue, Blue

52. If cage 2 is a Green parrots cage and cages 3 and 4 are White parrots cages, then Yellow parrots must be in which cage?

- A. 5
- B. 6
- C. 7
- D. 8
- E. 9

The top and bottom cages are occupied by 9
Yellow and green parrots are not on adjacent

50. If Yellow parrots are on cage 5 and blue
following must be true?

- A. Cage 2 is occupied by white.
- B. Cage 6 is occupied by green.
- C. Cage 7 is occupied by green.
- D. Cage 8 is occupied by green.
- E. Cage 9 is occupied by white.

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- A. Blue, Blue, Green
- B. White, White, Yellow
- C. White, White, White
- D. Green, White, Yellow
- E. Green, Blue, Blue

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- A. 5
- B. 6
- C. 7
- D. 8
- E. 9

Despite the best efforts of astronomers, no one has managed to exchange messages with intelligent life on other solar systems. In fact, no one has even managed to find any kind of extraterrestrial life exists. Thus, there is clear evidence that life exists nowhere but on Earth.

55. The argument's reasoning is flawed because the

- A. fails to consider that there might be extraterrestrial forms of intelligence that are not living
- B. confuses an absence of evidence for a proof of the existence of evidence against the hypothesis
- C. interprets a disagreement over a scientific theory as a disproof of that theory
- D. makes an inference that relies on the vague term "life"
- E. relies on a weak analogy rather than on evidence to draw a conclusion

Reasonable people adapt themselves to the world; unreasonable people persist in trying to adapt the world to themselves. All progress depends on unreasonable people.

56. If all of the statements in the passage above are true, which of the following statements must also be true?

- A. Reasonable people and unreasonable people are incompatible.
- B. If there are only reasonable people, no progress can be made.
- C. If there are unreasonable people, then progress can be made.

White parrots occupy 10 cages, respectively. Which of the following could occupy which cages, respectively?

- A. 1 and 2
- B. 3 and 4
- C. 4 and 5
- D. 5 and 6
- E. 6 and 7

the best efforts of astronomers, no one has yet succeeded in sending messages with intelligent life on other planets or in other solar systems. In fact, no one has even managed to prove that any extraterrestrial life exists. Thus, there is clearly no intelligent life anywhere but on Earth.

The argument's reasoning is flawed because the argument

- A. fails to consider that there might be extraterrestrial forms of intelligence that are not living beings
- B. confuses an absence of evidence for a hypothesis with the existence of evidence against the hypothesis
- C. interprets a disagreement over a scientific theory as a disproof of that theory
- D. makes an inference that relies on the vagueness of the term "life"
- E. relies on a weak analogy rather than on evidence to draw a conclusion

...le people adapt themselves to the world; unreasonable people persist in trying to adapt the world to themselves. Therefore, the world depends on unreasonable people.

If the statements in the passage above are true, which of the following statements must also be true?

Reasonable people and unreasonable people are incompatible.

Questions 58-62

A puzzle in DAWN newspaper gave a series of numbers represented by the following four four-letter sequences:

A B C D

D E H G

F B A K

H C F J

The rules for answering questions about the puzzle are:

Each row represents a sequence and some sequences have the same numeral.

Any letter that occurs in more than one sequence represents the same numeral in each of those sequences.

The numerals 6, 7, 8 and 9 are each represented by exactly one of the four sequences, no other numerals are represented.

The first letter of any sequence can represent only one numeral.

The last letter of any sequence cannot be 6.

58. What numeral is represented by A?

- A. 6
- B. 7
- C. 8
- D. 9
- E. 6 or 7

59. What numeral is represented by D?

- A. 6
- B. 7
- C. 8
- D. 9
- E. 6 or 7

critic: The passage of laws that limit elected officials to one or two terms in office is an admission that voters are civic fools, unable to tell good lawmakers from bad ones. To ban all the politicians when the real intention is to get rid of the corrupt ones is to burn the house down to get rid of the vermin.

57. The author of this passage makes his point chiefly by:

- A. defining a key term
- B. exposing a self-contradiction
- C. drawing an analogy
- D. questioning the evidence of his opponents
- E. citing an example

Questions 58-62

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A B C D
D E H G
F B A K
H C F J

The rules for answering questions about the puzzle are as follows:

Each row represents a sequence and some sequences could be the same.

Any letter that occurs in more than one sequence represents the same numeral in each of those sequences.

The numerals 6, 7, 8 and 9 are each represented once in the four sequences, no other numerals are represented.

The first letter of any sequence can represent only 6 or 7. The last letter of any sequence cannot be 6.

58. What numeral is represented by A?

60. Which one of the following is a possible order of the numerals for the last sequence?

- A. 6, 7, 8, 9
- B. 8, 6, 7, 9
- C. 7, 9, 6, 8
- D. 7, 8, 6, 9
- E. 6, 8, 7, 9

61. Which one of the following cannot be true?

- A. H represents 6.
- B. F represents 7.
- C. C represents 8.
- D. B represents 7.
- E. G represents 9.

62. If the additional rule is given that K represents 9, which one of the following must be true?

- A. G represents 8.
- B. E represents 8.
- C. B represents 8.
- D. J represents 9.
- E. F represents 9.

No one reads Weight-Off magazine unless he is fat. Everyone reads Weight-Off magazine unless he eats chocolate.

63. Which one of the following is inconsistent with the above?

- A. No one is fat and only some people eat chocolate.
- B. Some people are fat and no one eats chocolate.
- C. Everyone is fat.
- D. No one is fat and no one reads Weight-Off
- E. No one who is fat eats chocolate.

Fahad: Every meal my wife cooks is fantastic.

Aslam: I disagree. Most of my wife's meals are fantastic, too.

Aslam's response shows that he understood Fahad to mean that

- A. Aslam's wife does not cook fantastic meals

- A. H represents 5.
- B. F represents 7.
- C. C represents 8.
- D. B represents 7.
- E. G represents 9.

62. If the additional rule is given that ~~E represents 5~~,
following must be true?

- A. G represents 8.
- B. E represents 8.
- C. B represents 8.
- D. J represents 9.
- E. F represents 9.

No one reads Weight-Off magazine unless he is fat.
Weight-Off magazine unless he eats ~~chocolate~~.

63. Which one of the following is ~~inconsistent with the~~

- A. No one is fat and only ~~some people eat~~
- B. Some people are fat and no one ~~eats~~
- C. Everyone is fat.
- D. No one is fat and no one ~~reads~~
- E. No one who is fat eats ~~chocolate~~.

Fahad: Every meal my wife ~~cooks~~ is ~~delicious~~.

Aslam: I disagree. Most of my wife's meals are ~~delicious~~.

64. Aslam's response shows that he ~~understands~~ Fahad

- A. Aslam's wife does not ~~cook~~ ~~delicious~~ meals.
- B. Only Fahad's wife ~~cooks~~ ~~delicious~~ meals.
- C. Every one of Fahad's wife's meals is ~~delicious~~.
- D. Not every one of Fahad's wife's meals is ~~delicious~~.

66. A bus uses one gallon of gasoline to travel 15 miles. How many gallons of gasoline (to the nearest tenth) will it take for the bus to travel 150 miles?

- A. 8.5
- B. 8.7
- C. 8.9
- D. 9.0
- E. 10.0

67.
$$\begin{array}{r} 5x^2 + 3x - 2y^2 \\ + -2x^2 - 8x + 2y^2 \\ \hline \end{array}$$
 What is the sum?

- A. $3x^4 - 5x^2$
- B. $3x^4 - 5x^2 + y^4$
- C. $7x^2 + 1x - 4y^2$
- D. $3x^2 - 5x$
- E. $3x^2 - 5x + y^2$

68. $2 \times 0.5 + 9 \div 0.3 + 10 \times 0.92 = ?$

- A. 33
- B. 31.2
- C. 4.2
- D. 6.5
- E. 40.2

69. Which is equal to $15 - 8\frac{1}{4}$?

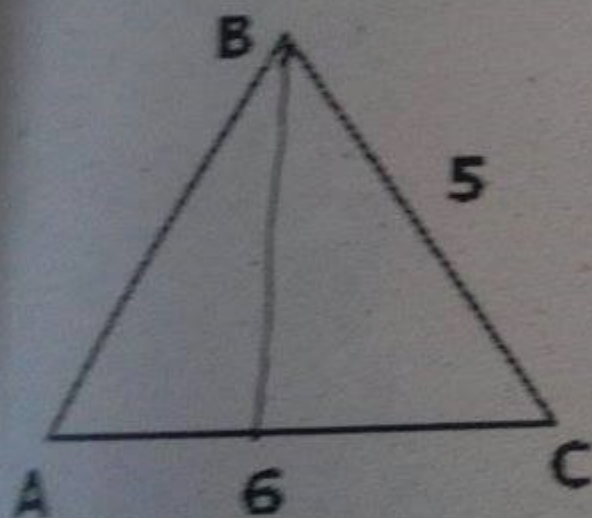
- A. $7\frac{3}{4}$
- B. $6\frac{3}{4}$
- C. $7\frac{1}{4}$

70. What percent of 24 is 18?

- A. 25%
- B. 50%
- C. 75%
- D. 150%
- E. 133%

71. If a \diamond means to multiply "a" by 3 and a $*$ means to divide "a" by 2, what is the value of $((8*) \diamond) *$?

- A. -6
- B. 0
- C. 2
- D. 3
- E. 6



72. If the perimeter of triangle ABC above is 16, what is its area?

- A. 8
- B. 9
- C. 10
- D. 12
- E. 15

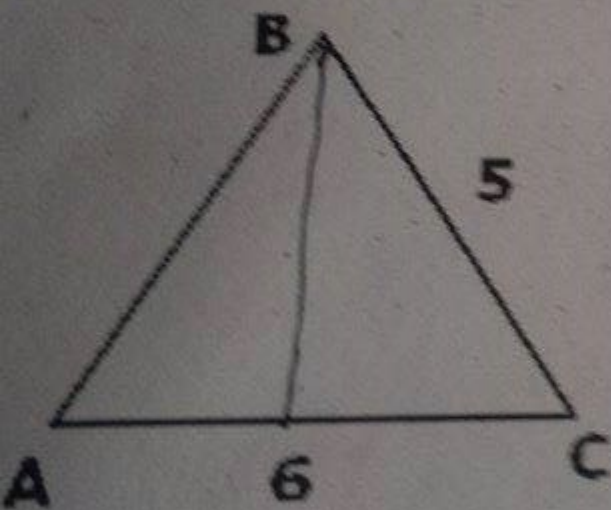
73. It takes 10 workers 10 days to finish construction of a house. How many days will it take 20 workers to finish four houses?

70. What percent of 24 is 18?

- A. 25%
- B. 50%
- C. 75%
- D. 150%
- E. 133%

71. If a \diamond means to multiply "a" by 3 and a $*$ means to divide "a" by -2, what is the value of $((8*) \diamond) *?$

- A. -6
- B. 0
- C. 2
- D. 3
- E. 6



72. If the perimeter of triangle ABC above is 16, what is its area?

- A. 8
- B. 9
- C. 10
- D. 12
- E. 15

73. If it takes three days for 10 workers to finish constructing a wall, how long will it take 15 workers to finish four walls?

79. If 3000 is 15 percent of "e", what is 35 percent of "e"?

- A. 4000
- B. 4500
- C. 5200
- D. 5800
- E. 7000

80. A certain number of students appeared in an examination. $\frac{2}{5}$ were girls and the rest boys. If 20% of the girls failed, and 10% of the boys failed, find the pass percentage of those appeared in the exam?

- A. 52
- B. 86
- C. 14
- D. 75
- E. 70

81. In how many orders can 6 different books be placed on

- A. 1
- B. 6
- C. 12
- D. 36
- E. 720

82. To get to a business meeting, Junaid drove "m" miles and arrived $\frac{1}{2}$ hour early. At what rate should he have arrived exactly on time?

- A. $\frac{m}{\frac{1}{2}}$

83. From 2002 to 2003, the sales of a book decreased by 80%. If the sales in 2004 were the same as in 2002, by what percent did the sales increase from 2003 to 2004?

- A. 80%
- B. 100%
- C. 120%
- D. 400%
- E. 500%

84. Let "M" be the median, and "m" the mode of the following set of numbers: 10, 70, 20, 40, 70, 90. What is the average (arithmetic mean) of "M" and "m"?

- A. 50
- B. 55.5
- C. 60
- D. 62.5
- E. 65

85. Ali has 3 times as much money as Ahmed. If Ali gives Ahmed Rs.50, Ahmed will then have 3 times as much money as Ali. How much do the two of them have together?

- A. Rs.75
- B. Rs.100
- C. Rs.125
- D. Rs.150
- E. Rs.200

For all u and v , let ∇ be defined by $u \nabla v = u - v + 2$. What is the value of $(2 \nabla 3) \nabla 1$?

- A. 0
- B. 1
- C. 2

93. In a jar, $\frac{1}{2}$ of the marbles are red, $\frac{1}{4}$ are white and $\frac{1}{5}$ are blue. What fraction of the marbles are neither red, white nor blue?

- A. $\frac{1}{2}$
- B. $\frac{1}{4}$
- C. $\frac{1}{5}$
- D. $\frac{19}{20}$
- E. $\frac{1}{20}$

94. If $2p + 5 = 20$, then $2p - 5 = ?$

- A. 5
- B. 10
- C. 15
- D. 20
- E. 25

95. Sweets are 4 for Rs.0.80 (including tax) and biscuits are 3 for Rs.1.05 (including tax). What is Kiran's change from Rs.5.00 if he buys 8 sweets and 6 biscuits at these prices?

- A. Rs.0.30
- B. Rs.1.00
- C. Rs.1.30
- D. Rs.3.70
- E. Rs.4.00

96. After Junaid deposited " s " rupees into his savings account, he had " d " rupees in the account. If he then withdrew $(s - 70)$ rupees from this account, how many rupees did he have left in the account?

- A. $d - s - 70$
- B. $d - s + 70$
- C. $d + s - 70$
- D. $d - s$
- E. $d - 70$

97. If " n " is an even integer greater than 2, what is the next greater even integer in terms of " n "?

98. The product of two integers is between 102 and 110. Which of the following cannot be one of the integers?

- A. 5
- B. 10
- C. 12
- D. 15
- E. 20

99. When "n" is divided by 14, the remainder is 10. What is the remainder when "n" is divided by 7?

- A. 2
- B. 3
- C. 4
- D. 5
- E. 6

100. If $r = 3s$, $s = 5t$, $t = 2u$ and $u \neq 0$, what is the value of r in terms of u ?

- A. 30
- B. 60
- C. 150
- D. 300
- E. 600