

K D Campus Pvt. Ltd 1997, ground floor opposite mukherjee nagar police station, outram lines, gtb nagar, new delhi – 09

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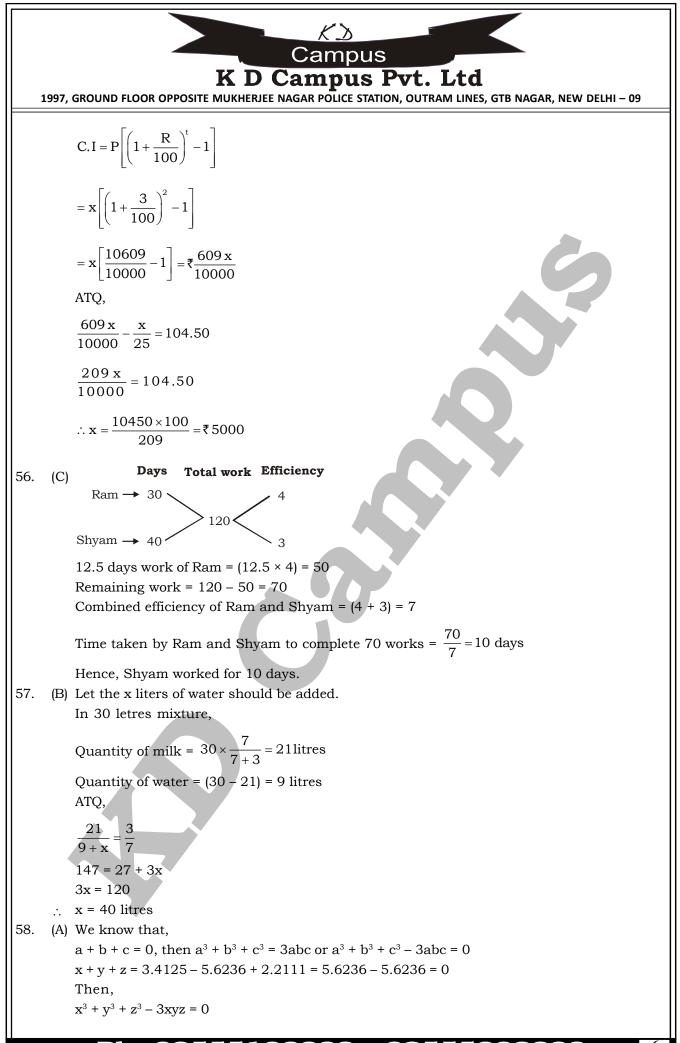
- 40. (C) The tallest tree in the world is a coast redwood (sequoia sempervirens), named Hyperion after a person in Greek mythology. The tree is no less than 115.72 m(379.7 feet) tall This enormous tree was discovered only in August 2006 in a remote part of Redwood National Park, California by naturalists Chris Atkins and Michael Taylor. Their first preliminary measurements were done with professional laser measurement equipment based on goniometry.
- 41. (C) When a running car stops suddenly, the passengers tend to lean forward due to inertia of motion. Inertia is that property of a body due to which it resists a change in its state of rest or of uniform motion.
- 42. (A) In consumer theory, substitute goods are products that a consumer perceives as similar or comparable, so that having more of one product makes them desire less of the other product. Formally X and Y are substitutes if, when the price of X rises, the demand for Y rises.
- 43. (B) Union Home Minister Amit Shah launched the mascot and the anthem for the 36th National Games in Ahmedabad.
- 44. (D) The Article 20 is one of the pillars of fundamental rights guaranteed by the Constitution of India. It mainly deals with protection of certain rights in case of conviction for offences. When an individual as well as corporations are accused of crimes, the provisions of Article 20 safeguard their rights. The striking feature of the Article 20 is that it can't be suspended during an emergency period. Protection of Life and Personal Liberty: No person shall be deprived of his life or personal liberty except according to procedure established by law. Article 21 of the Constitution of India.
- 45. (A) The River Luni is the only natural water source that drains inside a lake in the desert. It originates in the Pushkar valley of the Aravalli Range, near Ajmer and ends in the marshy lands of Rann of Kutch in Gujarat, after travelling a distance of 530 km.
- 46. (A) Amniocentesis (also referred to as amniotic fluid test or AFT) is a medical procedure used in prenatal diagnosis of chromosomal abnormalities and fetal infections, and also for sex determination, in which a small amount of amniotic fluid, which contains fetal tissues, is sampled from the amniotic sac surrounding a developing fetus, and then the fetal DNA is examined for genetic abnormalities.
- 47. (A) An average adult man weighing 160 pounds contains one and a quarter gallons of blood, or 10 pints. Estimation of blood volume is based on gender, age, weight, amount of lean body mass and even altitude: people who live at higher altitudes possess more blood to provide extra oxygen. People who weigh less generally carry less blood. Body fat percentage is a major factor in blood volume, as fat contains less blood than muscle; thus, if two people have the same weight, the person who has more fat would actually have a lower blood volume even if he appears to be larger.

51. (C)
$$\frac{0.7 \times 1.29 \times 0.13}{(0.35)^3 + (0.43)^3 - 8(0.39)^3}$$
$$= \frac{2 \times 0.35 \times 3 \times 0.43 \times \frac{0.39}{3}}{(0.35)^3 + (0.43)^3 - (0.78)^3}$$
$$= \frac{0.35 \times 0.43 \times 0.78}{(0.35)^3 + (0.43)^3 - (0.78)^3}$$
Now, 0.35 + 0.43 + (-0.78) = 0
(0.35)^3 + (0.43)^3 - (0.78)^3 = 3 \times (0.35) \times (0.43) \times (0.78)So, we have
$$= \frac{0.35 \times 0.43 \times 0.78}{-3 \times 0.35 \times 0.43 \times 0.78} = -\frac{1}{3}$$

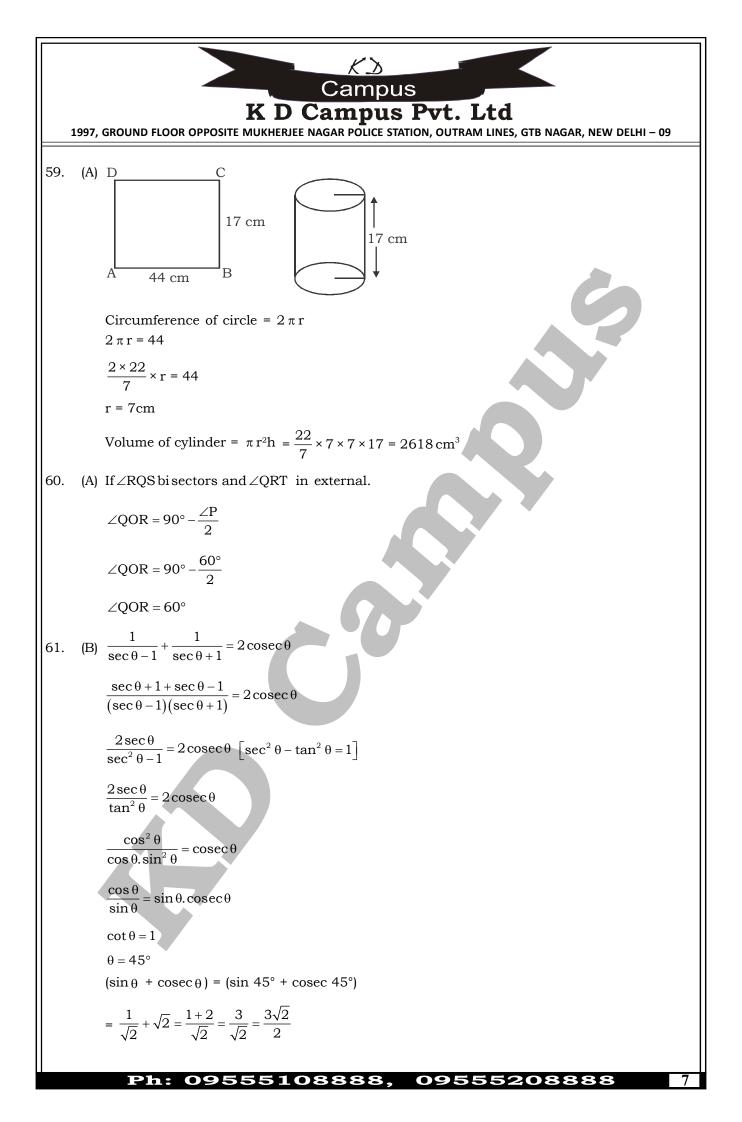
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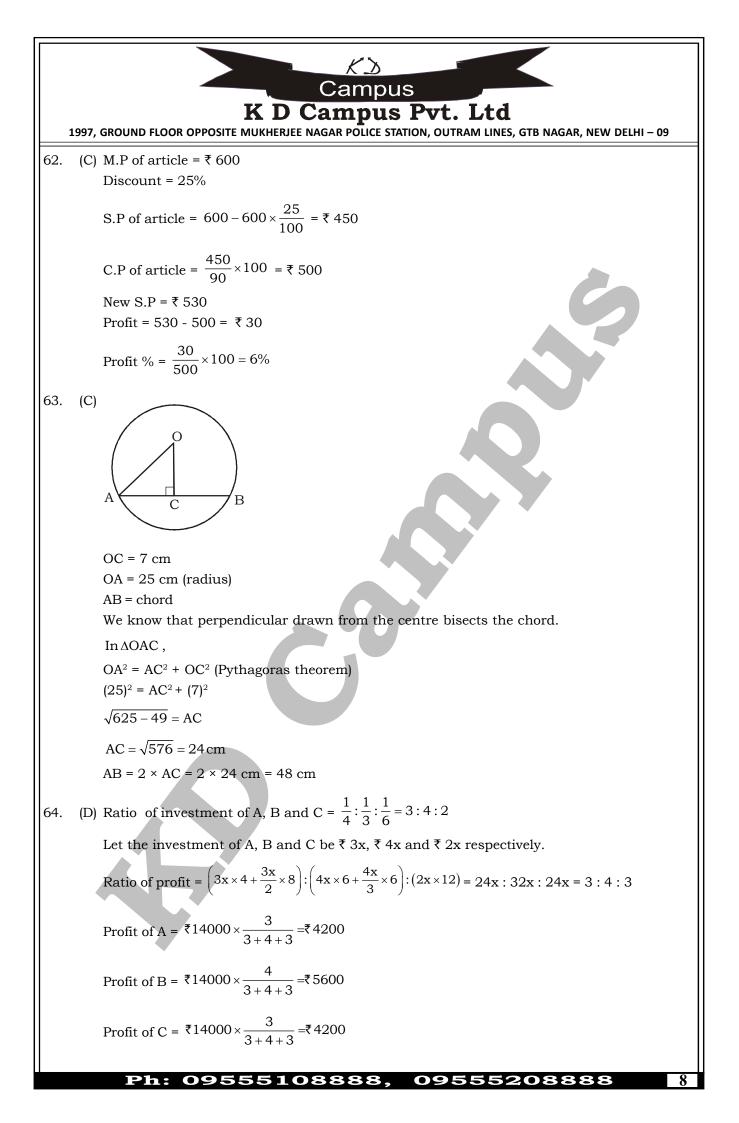
EXAMPLE 1997. CROUND FLOOR OPPOSITE MURKHERE MAGAR POLICE STAINON, OUTRAM LIMES, GTE MAGAR, NEW DELHI - 99
52. (C) Let the maximum marks of each subject be 100.
Total maximum marks of 4 subjects =
$$4 \times 100 = 400$$

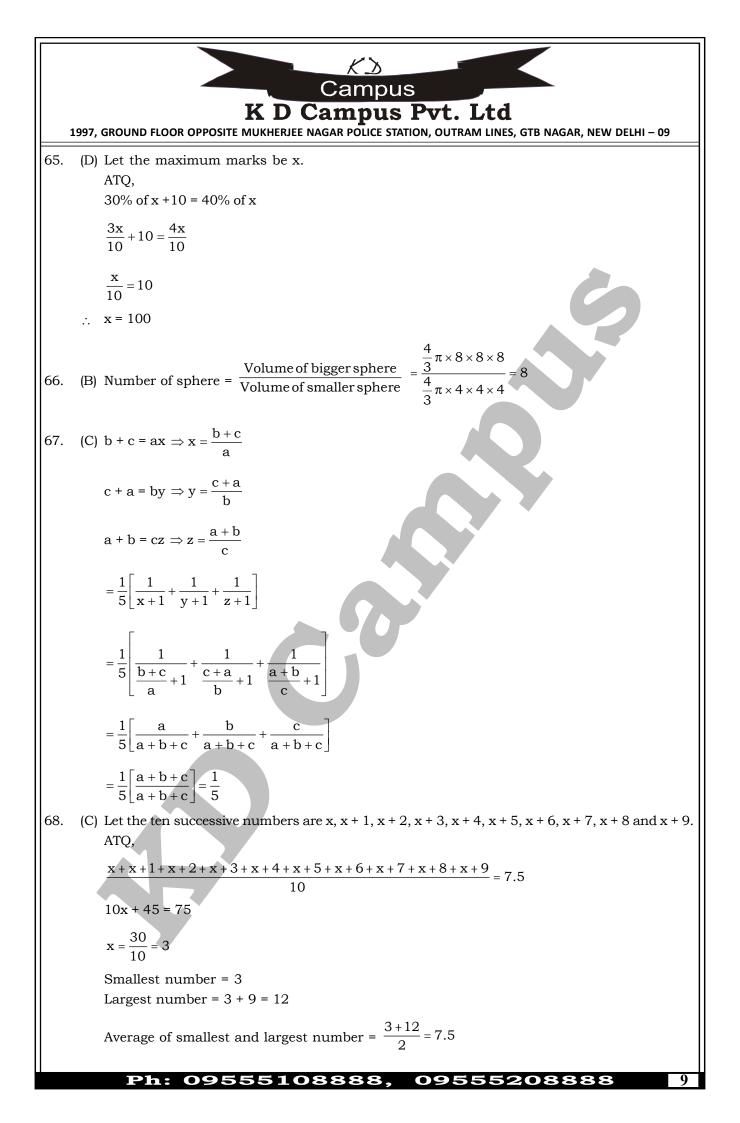
The marks obtained by student in 1st subject = $280 \times \frac{5}{5+4+3+2} = 100$
Marks obtained by student in 2rd subject = $280 \times \frac{4}{5+4+3+2} = 80$
Marks obtained by student in 3rd subject = $280 \times \frac{2}{5+4+3+2} = 60$
Marks obtained by student in 3rd subject = $280 \times \frac{2}{5+4+3+2} = 60$
Marks obtained by student in 3rd subject = $280 \times \frac{2}{5+4+3+2} = 40$
Passing marks of each subject = 42% of 100 = 42
Hence, he pass the examination in 3 subjects.
53. (B) Let the number be x, y and z respectively.
ATO,
 $\frac{x+y}{2} + z = 186$ (i)
 $\frac{y+z}{2} + x = 158$ (ii)
 $\frac{x+z}{2} + y = 160$ (iii)
Adding equation (i), (ii) and (iii)
 $\frac{x+z}{2} + z = 166$ (j)
 $\frac{y+z}{2} + x = 158$ (ii)
 $\frac{x+z}{2} + z = 160$ (ji)
Adding equation (j), (j) and (jii)
 $\frac{x+z}{2} + z = 252$
Average of x, y and $z = \frac{x+y+z}{3} - \frac{252}{3} - 84$
54. (C) Speed of train = 45 km/h = $45 \times \frac{5}{15} = \frac{25}{3}$ m/s
Total distance travelled by train = (212 + 188) - 400 m
Time - $\frac{Distancc}{100} = \frac{400 \times 2}{25} = 32 \operatorname{seconds}$
55. (C) Let the sum be ξx .
Si = $\frac{9 \times 8 \times 11}{100} = \frac{400 \times 2}{25} = 32 \operatorname{seconds}$
55. (C) Let the sum be ξx .
Si = $\frac{9 \times 8 \times 11}{100} = \frac{7 \times 5}{25}$
When interest is compounded half yearly.
Rate = 6% p.e. $\frac{6}{2}\%$ half yearly = 3% half yearly
Time = 1 year = (1 \times 2) half year = 2 half year

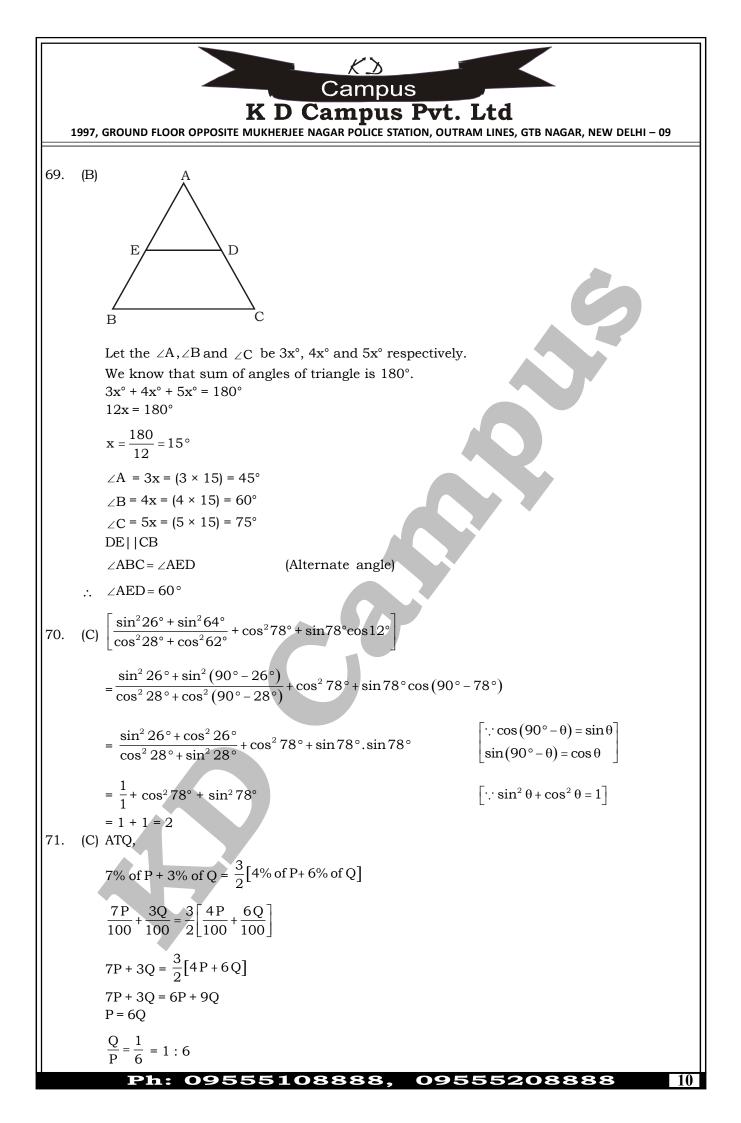


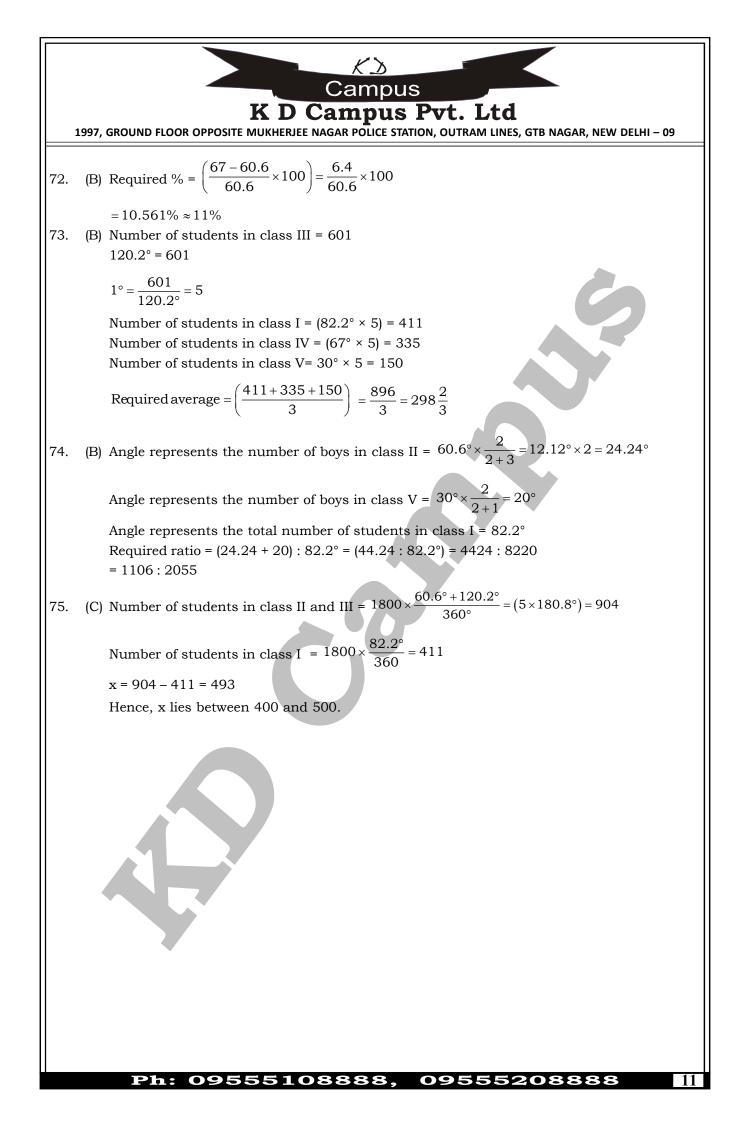
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MEANINGS IN ALPHABETICAL ORDER

Abate	(of something perceived as hostile, threatening,	कम करना
	or negative) become less intense or widespread	
Absenteeism	the practice of regularly staying away from work	अनुपस्थिति
	or school without good reason	
Assimilate	take in (information, ideas, or culture) and	आत्मसात् करना
	understand fully	
Barren	(of land) too poor to produce much or any vegetation	बंजर
Cajolement	flattery or gentle persuasion	फुसलाना
Cease	bring or come to an end	समाप्त होना
Confession	a formal statement admitting that one is guilty	अपराध-स्वीकृति
	of a crime	
Confiscate	take or seize (someone's property) with authority	जब्त करना
Conviction	a firmly held belief or opinion	धारणा
Cripple	cause someone to become unable to walk or move properly	पंगु बनाना
Dogmatism	the expression of an opinion or belief as if it were a fact	सिद्धांतवादिता
Exemptions	the process of freeing or state of being free from an	छूट
	obligation or liability imposed on others	
Grapple	engage in a close fight or struggle without weapons	हाथापाई करना
imperialism	a policy of extending a country's power and influence	साम्राज्यवाद
	through diplomacy or military force	
Leisure	free time	अवकाश
Pious	devoutly religious	धार्मिक
Scruple	hesitate or be reluctant to do something	संदेह करना
Smoldering	the process of burning slowly with smoke but no flame	सुलगनेवाला
Stipple	to engrave by means of dots	बिंदुओं में रंगना या अंकित करना
Temperate	showing moderation or self-restraint	संयमी
Temporal	relating to time	
Temporary	lasting for only a limited period of time	अल्पकालिक
Transparent	(of a material or article) allowing light to pass	पारदर्शी
	through so that objects behind can be distinctly seen	
Vulnerability	the quality or state of being exposed to the possibility	संवेदनशीलता
	of being attacked or harmed, either physically or	
	emotionally	

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SSC MOCK TEST - 358 (ANSWER KEY)

12.(D) $37.$ (A) $62.$ (C) $87.$ (C)13.(A) $38.$ (C) $63.$ (C) $88.$ (C)14.(B) $39.$ (D) $64.$ (D) $89.$ (A)15.(C) $40.$ (C) $65.$ (D) $90.$ (A)16.(B) $41.$ (C) $66.$ (B) $91.$ (D)17.(C) $42.$ (A) $67.$ (C) $92.$ (C)18.(C) $43.$ (B) $68.$ (C) $93.$ (D)19.(B) $44.$ (D) $69.$ (B) $94.$ (A)20.(D) $45.$ (A) $70.$ (C) $95.$ (B)21.(B) $46.$ (A) $71.$ (C) $96.$ (A)22.(C) $47.$ (A) $72.$ (B) $97.$ (B)23.(B) $48.$ (A) $73.$ (B) $98.$ (C)24.(B) $49.$ (C) $74.$ (B) $99.$ (D)25.(C) $50.$ (C) $75.$ (C) $100.$ (C)

- 76. (A) Sentence starting with 'never' takes an inversion form. Rephrase it as 'Never have I....'
- 77. (A) 'Condition' takes 'for', not 'of'.
- 87. (C) 'Unless' is used, when the condition is set, and 'Until' is used up to a particular point in time.
- 90. (D) The correct spelling is 'Leisure'.
- 91. (D) The correct spelling is 'Dominant'.