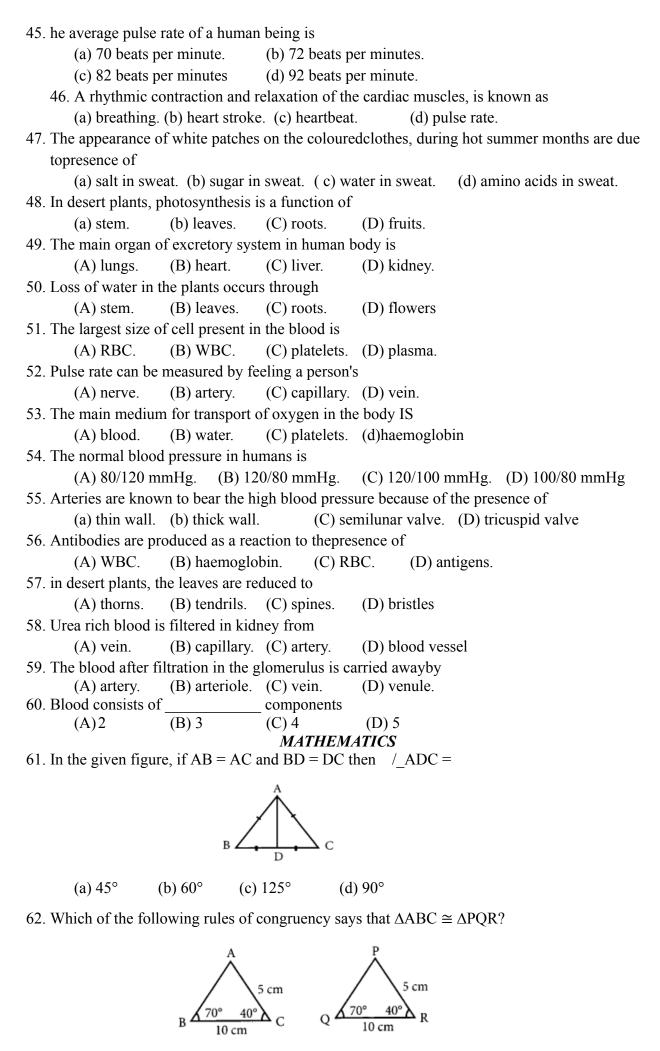
NAAHAR PUBLIC SCHOOL (CBSE) SENIOR SECONDARY, VILLUPURAM ACADEMIC YEAR (2022-2023) BYJU'S MOCK TEST

CLASS: VII

DATE: 17.12.2022 MARKS: 480

SU	JB: SCIENCE		DUR: 3 Hrs
1.	Which one of the following is a step in the formation	ation of soil?	
	-	(b) Weathering of ro	ocks
	(c) Addition of humus	` '	in the formation of soil
2	In which horizon of soil minerals are found?	(4) 1111 412 111 (01) 64	
	(a) A (b) B (c) C	(d) N	one of these
3	Which physical property of soil is important to u	* *	one of these
٥.	(a) Texture (b) Water holding capacity (c) Bot		one of these
1	Which of the following type of soil will form a c		
4.		(d) Gravel	en suspended in water?
5		(u) Graver	
5.		ont roals	(d) All of thega
6	(a) Climate (b) Vegetation (c) Pare		(d) All of these
6.	The proportion of sand, silt and clay in a soil san	=	(1) C (11) 1 1
_	(a) structure (b) texture (c) nutr	•	(d) fertility level
7.			-
	survival. Choose from the options below the hab	itat (place) where the	e soil has plenty of water
	and nutrients.		
	(a) Desert (b) Forest (c) Open field	` '	ricket ground
8.	Availability of water and minerals in the soil for		
	(a) B-horizon (b) C-horizon (c) A-h	orizon	(d) Surface of soil
9.	.Soil conservation measures are mainly aimed at	protecting which of	the following?
	(a) Plants (b) Topsoil (c) Sub soil	(d) Soil orga	nisms
10	. Read the following statements with reference to	soil:	
	(i) Weathering is a very fast process of soil form	ation.	
	(ii) Percolation of water is faster in sandy soils.		
	(iii) Loamy soil contains only sand and clay.		
	(iv) Top soil contains the maximum amount of h	umus.	
	Choose the correct statements from the above.		
	(a) (ii) and (iv) (b) (i) and (iii)	(c) (ii) and (iii)	(d) (i) and (ii)
11.	. Soil is the substance which makes up the		
	(a) rock (b) layers (c) surface		
12	. Which one of the following is a step in the forma		
	(a) Earthquakes or volcanic eruptions	(b) Weatherin	ng of rocks
	(c) Addition of humus	(d) All of the	•
13	. Which factor influences soil formation?	(4) 1111 01 011	
10		(c) Microorganism	(d) All of these
14	Which of the following does not cause soil erosi	• •	(a) The of those
	(a) Deforestation (b) Terrace farming (c) Floor		vergrazing
15	Soil conservation measures are mainly aimed at		Vergrazing
13	(a) plants (b) top soil (c) sub	•	oil organisms
16	In which horizon of soil minerals are found?	3011 (4) 30	on organisms
10	(a) A (b) B (c) C (d) None		
17			
1 /	The best top soil for growing plants is	11 of these	
10	(a) sandy soil (b) loamy soil (c) clayey soil (d) a		
18	. The mixture of rock particles and humus is calle	a	
10	(a) soil (b) weathering (c) silt (d) gravel		
19	One of the following is not a type of soil. This or		
-	(a) loamy soil (b) silty soil (c) clayey soil (d) sar		
20	. Which of the following has smallest size soil par	ticles'?	
	(a) Gravel (b) Silt (c) Clay (d) Sand		

21. Cotton grows well in			
(a) black soil (b) laterite soil(c) red soil (d) loamy soil			
22. In which of the following humus is present in reasonable amount?			
(a) A-horizon (b) B-horizon (c) C-horizon (d) Bedrock			
23. Which of the following cannot prevent soil erosion?			
(a) Reforestation (b) Deforestation (c) Silviculture (d) Plantation			
24. The topmost layer of soil is known as			
(a) top soil (b) sandy soil (c) sub soil (d) bed soil			
25. Sandy soils are found in			
(a) hilly areas (b) tropical region (c) deserts (d) polar region			
26. In desert plants, the leaves are reduced to			
(a)thorns. (b)tendrils. (c) spines. (d)bristles.			
27. Urea rich blood is filtered in kidney from			
(a) vein. (b) capillary. (c) artery. (d) blood vessel.			
28. The blood after filtrations in the glomerulus is carried awayby			
(a) artery. b) arteriole. ((c) vein. (d) venue.			
29. me blood vessel which carry impure blood, i.e, blood rich in carbon dioxide to lungs is			
(a) pulmonary artery. (b) pulmonary vein. (c) aorta. (d) capillary.			
30. Haemoglobin which binds with oxygen and transports it to all parts of the body is coloured			
(a) green. (b) blue. (c) yellow. (d) red.			
31. Double blood circulation occurs in			
(a) reptiles. (b) fishes. (c) mammals (d) amphibians.			
32. The type of the blood cell which prevents the flow ofblood after an injury is			
(a) WBC. (b) RBC. (c) haemolymph. (d) platelets.			
33. A natural system of human body to maintain its bodytemperature is through			
(a) sweating. (b) eating. (c) sleeping. (d) running.			
34. The body waste dissolved in water is mainly removedas			
(a) sweat. (b) urine. (c) blood. (d) plasma.			
35. The movement of oxygenated blood from the left auricle to left ventricle and then through			
the aorta to all parts of the body is called			
(a) extracellular circulation. (b) pulmonary circulation.			
(c) systemic circulation. (d) intracellular circulation.			
36. The movement of oxygenated blood from the left auricle to left ventricle and then through			
the aorta to all parts of the body is called			
(a) extracellular circulation. (b) pulmonary circulation.			
(c) systemic circulation. (d) intracellular circulation.			
37. The main medium for the transport of excretory			
products in the body is			
(a) blood. (b) plasma. (c) serum. (d) urine. The primary ergon which help in character of water from the sail is			
38. The primary organ which help in absorption of water from the soil is			
(a) root hair. (b) root cap. (c) stem hair (d) root nodules 39. Amongst the given vegetables, the process of			
transpiration occurs in			
(a) tomato. (b) potato. (c) carrot. (d) spinach 40. Birds excrete waste in form of			
(a) urea. (b) uric acid. (c) urine. (d) ammonia.			
41. Stomata open and close due to			
(a) presence of valves. (b) hormonal control.			
(c) turgor pressure of guard cells. (d) concentration gradient of the gases.			
42. The food is transported in the phloem in the form of			
(a) glucose. (b) sucrose. (c) amino acid. (d) fats.			
43. Homeostasis is a complex process, which is controlled by			
(a) platelets. (b) RBC. (c) WBC. (d) haemolymph.			
44. Pure oxygenated blood is pumped from the			
(a) left atrium (b) right ventricle. (c) night atrium. (d) left ventricle.			



63. Complete the congruence statement ΔBCA ~=

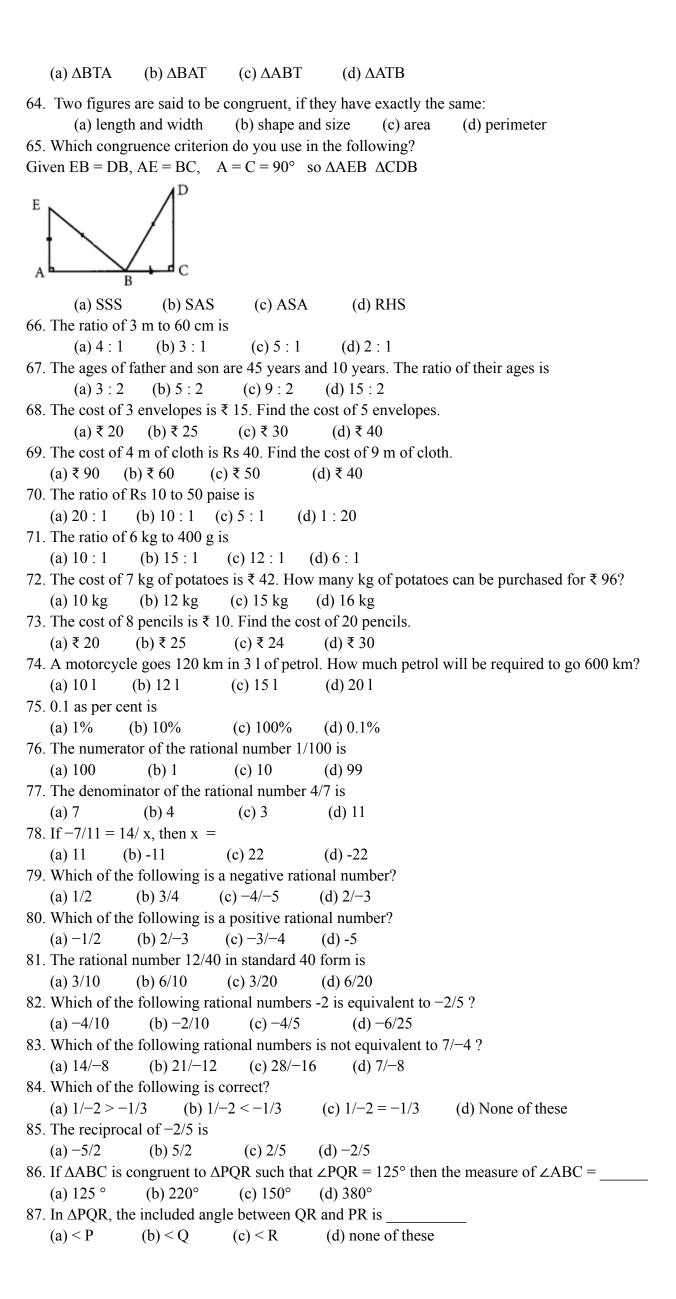
(b) SAS

(c) SSS

(d) RHS

(a) ASA





88. If $\triangle PQR \cong \triangle XYZ$ and $XY = 9$ m, $YZ = 5$ cm. then the length of $PQ =$			
(a) 6 cm (b) 5 cm (c) 9 cm (d) 8 cm			
89. Two rectangles are congruent if they have the same and			
(a) angle, side (b) length, breadth (c) sides only (d) all the above			
90. There are 100 voters. 50 of them votes yes. What per cent voted yes?			
(a) 10% (b) 25% (c) 50% (d) 15%			
91. A basket is full of bananas, mangoes and apples. If 50% are mangoes, 30% are apples, then			
what per cent are bananas?			
(a) 10% (b) 20% (c) 25% (d) 40%			
92. The angles of a triangle are in the ratio 1 : 1 : 2. What is the largest angle?			
(a) 90° (b) 45° (c) 30° (d) 60°			
93. A watch was purchased for ₹ 316 and sold for ₹ 300. What is the loss?			
(a) $\not\in 16$ (b) $\not\in 8$ (c) $\not\in 24$ (d) $\not\in 32$			
94. The interest on a sum of ₹ 2500 for 4 years at the interest rate 4% is			
(a) ₹ 100 (b) ₹ 200 (c) ₹ 300 (d) ₹ 400			
95. The number of students in 2008 was 1000. It became 1100 in 2009. The percentage increase			
is			
(a) 10% (b) 5% (c) 100% (d) 1000%			
96. The rational number $-6/-25$ in standard form is			
(a) $6/25$ (b) $-6/25$ (c) $6/-25$ (d) $-6/25$			
97. Which of the following rational numbers is not to equivalent to 3/5?			
(a) $6/10$ (b) $-3/-5$ (c) $9/15$ (d) $12/24$			
98. The sum $5/4 + (-25/4) = $			
(a) -5 (b) 5 (c) 4 (d) -4			
99. $17/11 - 6/11 = $ (c) 6 (d) 3			
(a) 1 (b) -1 (c) 6 (d) 3			
100. $-6/5 \times 1 = $ (a) $-6/5$ (b) $6/5$ (c) $-5/6$ (d) $5/6$			
101. $7/12 \div (-7/12) = $			
102. $-6/5 \times 1 = $ (a) $-6/5$ (b) $6/5$ (c) $-5/6$ (d) $5/6$			
103. Which of the following rational numbers is not equivalent to 7/–4?			
(a) 14/-8 (b) 21/-12 (c) 28/-16 (d) 7/-8			
104. The sum $-3/4 + 0 = $			
(a) $3/4$ (b) $-3/4$ (c) 1 (d) 0			
$105. 2/-5 \times -5/2 = \underline{\hspace{1cm}}$			
(a) 1 (b) -1 (c) 2 (d) -5			
106. In $\triangle RST$, $R = 5$ cm, and $\angle SRT = 45^{\circ}$ and $\angle RST = 45^{\circ}$. Which criterion can be used to			
construct ΔRST ?			
(a) A.S.A. criterion (b) S.A.S. criterion (c) S.S.S. criterion (d) R.H.S. criterion			
107. A Given AB = 3 cm, AC = 5 cm, and \angle B = 30°, \triangle ABC cannot be uniquely constructed,			
with AC as base, why?			
(a) Two sides and included angle are given.			
(b) The other two angles are not given.			
(c) The vertex B cannot be uniquely located. (d) The vertex A coincides with the vertex C.			
			108. A line point X not on it are given. Which of the following is used to draw a line parallel
to p through X?			
(a) Equal corresponding angles. (b) Congruent triangles.			
(c) Angle sum property of triangles. (d) Pythagoras' theorem.			
109. \triangle PQR is such that \angle P = \angle Q = \angle R = 60° which of the following is true?			
(a) \triangle PQR is equilateral. (b) \triangle PQR is acute angled.			
(c) Both [a] and [b] (d) Neither [a] nor [b]			

110. Which vertex of \triangle ABC is right angled if AB = 8 cm, AC = 6 cm,BC = 10 cm,?			
(a) C (b) A (c) B (d) A or C			
111. An isosceles triangle is constructed as shown in the figure.			
R P			
Which of the given statements is incorrect?			
(a) PR is the hypotenuse of $\triangle PQR$.			
(b) ΔPQR is an equilateral triangle.			
(c) ΔPQR is a right angled triangle.			
(d) If right angled ΔPQR has its equal angles measuring 45° each.			
112. $\triangle PQR$ is constructed with all its angles measuring 60° each. Which of the following is			
correct?			
(a) $\triangle PQR$ is an equilateral triangle. (b) $\triangle PQR$ is isosceles triangle.			
(c) $\triangle PQR$ is a scalene triangle. (d) $\triangle PQR$ is a right angled triangle.			
113. How many perpendicular lines can be drawn to a line from a point not on it?			
(a) 1 (b) 2 (c) 0 (d) Infinite			
114. Which of the following is NOT constructed using a ruler and a set square?			
(a) A perpendicular to a line from a point not on it.			
(b) A perpendicular bisector of a line segment.			
(c) A perpendicular to a line at a point on the line.			
(d) A line parallel to a given line through a given point.			
115. In ΔXYZ , x, y and z denote the three sides. Which of the following is incorrect'?			
(a) $x - y > z$ (b) $x + z > y$ (c) $x - y < z$ (d) $x + y > z$			
116. In which of the following cases can a triangle be constructed?			
(a) Measures of three sides are given.			
(b) Measures of two sides and an included angle are given.			
(c) Measures of two angles and the side between them are given.(d) All the above.			
117. Based on the sides of a triangle, which of the following is a classification of triangles?			
(a) A right angled triangle (b) An acute angled triangle			
(c) An obtuse angled triangle (d) An isosceles triangle			
118. Which of the following is used to draw a line parallel to a given line?			
(a) A protractor (b) A set square			
(c) A ruler (d) A ruler and compasses			
119. A Choose the correct option in which a triangle CANNOT be constructed with the given			
lengths of sides.			
(a) 3 cm, 4 cm, 5 cm (b) 7 cm, 6 cm, 5 cm			
(c) 10 cm, 7 cm, 2 cm (d) 12 cm, 8 cm, 6 cm			
120. Identify the true statement.			
(a) A triangle with 3 equal sides is isosceles.			
(b) A triangle with a 110° angle is right angled.			
(c) A triangle with 3 acute angles is acute angled.			
(d) A triangle with 2 equal sides is equilateral.			