

AP GRAMA/WARD SACHIVALAYAM GRAND TEST – 2

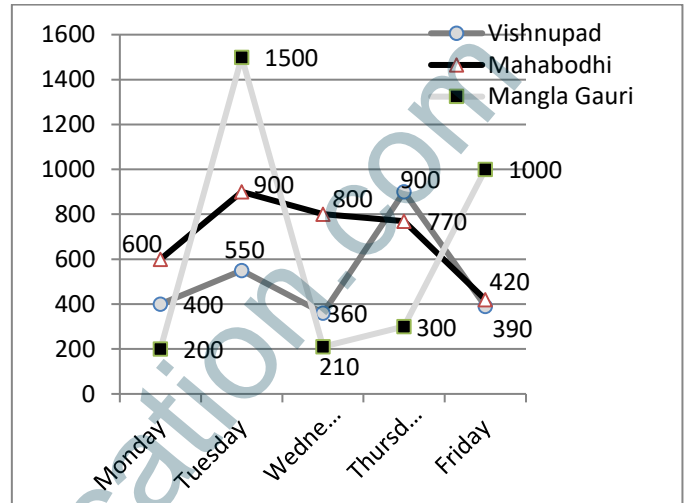
CAT - 2B

MARKS : 150 No. of Questions: 150 Time : 150 Minutes (-)tive marks: 0.25

- Ramesh Yadav can do $\frac{1}{3}$ rd of the work in 4 days Jitu $66\frac{2}{3}\%$ of the work in 6 days and Pawan $\frac{2}{5}$ th of the work in 10 days. First day Ramesh Yadav, second day Jitu and third day Pawan do the work. Again fourth day Ramesh Yadav and in the same manner Jitu and Pawan do the work. Then find in how many days will the work complete?
 - $12\frac{56}{75}$ days
 - $18\frac{56}{75}$ days
 - $10\frac{56}{75}$ days
 - None of these
- The price of certain items is increased by 15%. If a consumer wants to keep this expenditure on the item the same as before, how much percent must he reduce his consumption of that item.
 - $13\frac{1}{23}\%$
 - $13\frac{1}{25}\%$
 - $14\frac{1}{23}\%$
 - 15%
- Two trains A and B, start from stations X and Y towards each other they take 4 hours 48 minutes and 3 hours 20 minutes to reach Y and X respectively after they meet if train A is moving at 45 km/hr, then the speed of the train B is:
 - 60 km/hr
 - 64.8 km/hr
 - 54 km/hr
 - 37.5 km/hr
- A sum of money placed at compound interest thrice itself in 4 years. In how many years will it amount to 27 times itself?
 - 12 years
 - 15 years
 - 14 years
 - 10 years
- A and B started a business in partnership by investing in the ratio of 7 : 9. After 3 months A withdraw $\frac{2}{3}$ of its investment and after 4 months from the beginning B withdraw $33\frac{1}{3}\%$ of its investment. If a total earned profit is Rs. 10201 at the end of 9 months, find the share of each in profit
 - Rs. 3535, Rs. 6666
 - Rs. 3055, Rs. 5555
 - Rs. 4503, Rs. 1345
 - Rs. 3545, Rs. 3333

Directions (6-8): Study the following graphs carefully to answer the questions that follow.

No. of visitors on specific days



- What is the average number of visitors who visited Mahabodhi Mandir on all the days together?
 - 692
 - 444
 - 450
 - 698
- Total number of visitors who visited all the three places on Tuesday together is what per cent of the total number of visitors who visited Vishnupad on Thursday and Tuesday together?
 - 49.15%
 - 203.45%
 - 15.59%
 - 641.38%
- On which day was the total number of visitors who visited by all the three places together is second lowest?
 - Monday
 - Wednesday
 - Thursday
 - Friday
- I hire a taxi from my home to go to my workplace. The fare system in the city is such that for the first kilometer, I am charged Rs 25, and after that, I am charged Rs 6 per kilometer. If my workplace is 10 km far from my home, what amount do I have to pay if I go by taxi?
 - Rs. 64
 - Rs. 89
 - Rs. 90
 - Rs. 79
- Select the missing number from the given responses:

18	90	5
13	143	11
7	?	5

- 12
 - 2
 - 53
 - 35
- In the following questions a fact or situation is given followed by two suggested courses. A course of action is a step of administrative decision taken for improvement or follow-up action. Read the situation and then decide which of the given courses of action follows.

Statement: Youngsters are often found staring at obscene posters.

Courses of Action:

I) Children should be punished and penalised if they are found doing so.

II) Any display of such materials should be banned.

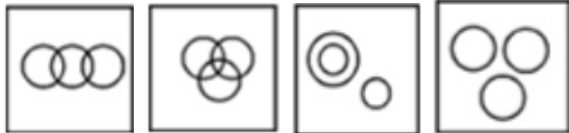
- (a) if only course of action I follows
- (b) if only course of action II follows
- (c) if both the course of action follow
- (d) if neither follows

12. Anand is son of Prema. Rajeev is brother of Prema. Neha is daughter of Rashmi. Neha is sister of Rajeev. How is Anand related to Rashmi?

- (a) Son
- (b) Grandson
- (c) Grandfather
- (d) Granddaughter

13. Identify the diagram that best represents the relationship among the given classes.

Singer, Musician, Businessman.



- (a)
- (b)
- (c)
- (d)

Direction (Q. No. 14) : In the following question a blank has been given in a sentence and it is followed by four options namely a, b, c and d. One of the options fills up the blank. Choose the appropriate option.

14. We go for a walk _____ the morning

- (a) for
- (b) in
- (c) off
- (d) on

15. Out of the four alternatives, choose the one which best expresses the meaning of the given word in bold letters.

Acme

- (a) Pinnacle
- (b) Aural
- (c) Twang
- (d) Salvation

Direction (Q. No. 16) : In the following a paragraph has been jumbled. After keeping it in order attempt the appropriate option that makes sense and keep the paragraph in a proper order.

16. (A) However, marketing reports are not good.

(B) It is one of its kind in India

(C) The company now, may bring down the price

(D) The product was launched six months back

(E) One of the reasons is that, it is costly

- (a) d b a e c
- (b) d b a c e
- (c) e c d b a
- (d) c d b a e

17. The term 'gambit' is associated with which of the following sport?

- (a) Basket ball
- (b) Chess
- (c) Boxing
- (d) Golf

18. Under the Ayushman Bharat programme, the government has set a target of eradicating Tuberculosis from the country by _____.

- (a) 2022
- (b) 2023
- (c) 2024
- (d) 2025

19. Who is the author of the book named "Making India Awesome"?

- (a) Jairam Ramesh
- (b) Tarun Khanna
- (c) Chetan Bhagat
- (d) Amitav Ghosh

20. Who among the following won gold medal in the 400-meter race at Nove Mesto in the Czech Republic in July 2019?

- (a) Preeti Singh
- (b) Ritu Kumari
- (c) Sakshi Yadav
- (d) Hima Das

21. Which is the largest landlocked country in the World?

- (a) Mongolia
- (b) Bolivia
- (c) Paraguay
- (d) Kazakhstan

22. Identify the Deputy Chief Ministers

- (a) Pilli Subhash Chandra Bose
- (b) Sri. K. Narayana Swamy
- (c) Smt. Pushpasreevani Pamula
- (d) All of the above

23. Identify the Navaratnas of the AP Government

- (a) YSR Ryuth Bharosa
- (b) Fee Reimbursement
- (c) Arogyasri
- (d) All of the above

24. How much financial Assistance provide by the AP Government under the Ryuth Bharosa

- (a) 12500
- (b) 15000
- (c) 11000
- (d) None of the above

25. In the 2019 to 2020 budget allocation how much farmer investment support was allocated

- (a) Rs. 3000 crore
- (b) Rs. 8750 crore
- (c) Rs. 1420 crore
- (d) None of the above

26. Which of the following was the One Country and One Nation Scheme?

- (a) Pradhan Mantri Fasal Bima Yojana
- (b) Atal Pension Yojana
- (c) Aaway Yojana
- (d) None of the above

27. An iron needle sinks in water whereas a ship made of iron floats on it because

- (a) The edge of the needle is pointed
- (b) The ship is flat
- (c) The ship is driven by powerful engine
- (d) Specific gravity of the needle is greater than that of water displaced by it

28. The cloudy nights are warmer than clear nights because

- (a) clouds prevent escape of radiation of heat from the ground and the air.
- (b) absorb sunlight in the day and radiate the same in night
- (c) clouds make the atmosphere damp and generate heat
- (d) Clouds obstruct the movement of air which creates heat

29. Food gets cooked faster in a pressure cooker because

- (a) Water starts boiling at a lower temperature due to high pressure
- (b) Water starts boiling at a higher temperature due to high pressure
- (c) water boils only at 100° C but the heat content is higher at high pressure.
- (d) Convection currents are set inside the cooker

30. Match List-I with List-II and select the correct answer from the codes given below:

List-I	List-II
A. Morphine	1. Antiseptic
B. Sodium	2. Alloy
C. Boric acid	3. Analgesic
D. German silver	4. Kerosene oil

Codes:

- A B C D
- (a) 4 3 1 2
- (b) 2 4 3 1
- (c) 3 1 4 2
- (d) 3 4 1 2

31. Match List-I with List-II and select the correct answer given below:

List-I	List-II
A. Electron	1. Goldstein
B. Proton	2. J.J. Thomson

C. Neutron
D. Positron

Codes:

A B C D

(a) 2 1 3 4

(b) 4 3 1 2

(c) 2 1 4 3

(d) 4 3 2 1

32. Match List-I with List-II

List-I

A. Thomson model

B. Rutherford model

C. Bohr's model

D. de-Broglie theory

List-II

1. Dual nature of electron

2. Nuclear theory

3. Plum pudding model

4. Concept of quantization of energy

Codes:

A B C D

(a) 3 4 2 1

(b) 2 4 1 2

(c) 2 1 3 4

(d) 3 2 4 1

33. Consider the following statements about Vechur cattle breed

1. Vechur is the world's largest cow.

2. It is indigenous breed found in Kerala.

3. Its milk protein has medicinal value.

4. Commonly used in farming as draught animal.

Which of the statements given above are correct?

(a) 1, 2, 3 and 4

(b) 1, 2 and 3

(c) 2, 3 and 4

(d) 3 and 4

34. Consider the following statements:

1. Warm-blooded animals can remain active in cold environment in which cold-blooded animals can hardly move.

2. Cold-blooded animals require much less energy to survive than warm-blooded animals.

Which of the statements given above is/are correct?

(a) 1 only

(b) 2 only

(c) Both 1 and 2

(d) Neither 1 nor 2

35. Ecology deals with the study of:

a) Living beings

b) Living and non living components

c) Reciprocal relationship between living and non living components

d) Environment

36. Autecology deals with

a) Ecology of species b) Ecology of many species

c) Ecology of community (d) All the above

37. Synecology deals with

(a) Ecology of many species

(b) Ecology of many populations

(c) Ecology of community (d) None of the above

38. Name the Sub-Collector of Rajahmundry who opened Anglo-vernacular schools at several places in Andhra

(a) Anderson

(b) Reverend Noble

(c) John Philip

(d) G.N. Taylor

39. In which year American Baptist Mission was established in Andhra

(a) 1866

(b) 1867

(c) 1868

(d) 1869

40. Which of the following Journals was started by Veeresalingam

(a) Hitabodhini

3. Chadwick www.sakshieducation.com (b) Samasvardhini

4. Anderson

(c) Sanjivani

(d) Zanana

41. Which one among the following is not guaranteed by the constitution of India as a fundamental right?

(a) Freedom to move freely throughout the country

(b) Freedom to assemble peacefully without arms

(c) Freedom to own, acquire and dispose a property anywhere in the country

(d) Freedom to practice any trade or profession

42. Among the following whose term of office is the longest?

(a) President

(b) Member of lok sabha

(c) Comptroller and auditor general

(d) Vice-president

43. The maximum GAP between two sessions of parliament can be 6 months, which is calculated between

(a) Last sitting of one session to the last sitting of the next session

(b) Six calendar months excluding the months in which the session are held

(c) Last sitting of one session to the first sitting of the next session

(d) First sitting of two consecutive session

44. Indian constitution allows to acquire foreign territories. In this regard, out of the following statements identify the correct one?

(a) The acquisition does not fall within article 1 of the constitution

(b) Acquisition is governed by the international laws

(c) Acquired foreign territory shall become a part of existing states only

(d) The pre acquisition laws and the rights of acquired therein shall continue

45. The 73rd Amendment Act which was brought into force in 1993 added following number of articles to the Indian Constitution

(a) 5

(b) 9

(c) 12

(d) 16

46. In the context of the 'Dulhan' scheme introduced by the Andhra Pradesh State government, which of the following statements is true?

(a) The scheme is intended to uplift the Muslim community in general

(b) Under this scheme the government will provide Rs. 50,000 to poor Muslim young women at the time of their marriage

(c) The cutoff date for implementing the scheme is May 26, 2015

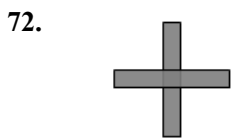
(d) All the given answers are correct

47. Which of the following districts in Andhra Pradesh is called the production hub of spices?
 (a) Guntur (b) Krishna
 (c) Chittoor (d) YSR Kadapa
48. The "NTR Sujala" scheme aims at
 (a) Providing clean drinking water to every household in villages
 (b) Enhancing the nutritional standard of rural households
 (c) Reducing water pollution in villages by installing water recycling plants
 (d) None of the given answers are correct
49. In which district of Andhra Pradesh the scheduled tribe population is the highest?
 (a) East Godavari (b) Visakhapatnam
 (c) Krishna (d) Vizianagaram
50. Under the Indus Water Treaty (IWT) India had been given the exclusive rights over the rivers of
 1. Chenab 2. Ravi
 3. Beas 4. Indus
 5. Sutlej 6. Jhelum
 Choose the correct answer from the codes given below:
 (a) 1, 2 and 3 only
 (b) 1, 3 and 4 only
 (c) 2, 3 and 5 only
 (d) 1, 2 and 6 only
51. Survey plotting can be done with an accuracy of
 (a) 0.25 mm (b) 0.5 mm
 (c) 1 mm (d) 1 cm
52. An instrument used for ranging is
 (a) optical square (b) line ranger
 (c) clinometer (d) pedometer
53. Handles of chains are made up of
 (a) mild steel (b) galvanized iron
 (c) Copper (d) Brass
54. A 20 m long chain when tested should not show an error exceeding
 (a) 2 mm per metre length and 5 mm in the overall length
 (b) 2 mm per metre length and 8 mm in the overall length
 (c) 2 mm per metre length and 20 mm in the overall length
 (d) 2 mm per metre length and 40 mm in the overall length
55. Drop arrow is used in
 (a) Conventional chain survey
 (b) measurements along slopes
 (c) measurement by method of stepping
 (d) measuring with tape
56. Reciprocal ranging is adopted when the following is encountered:
 (a) a dense forest (b) a hillock
 (c) a river (d) a tall building
57. Magnetic bearing of a line is $N 88^\circ E$. its true bearing is $S 89^\circ E$. therefore, its magnetic declination is
 (a) $2^\circ W$ (b) $3^\circ W$ (c) $3^\circ E$ (d) 91°
58. A freely floating needle slightly gets inclined to the horizontal any where except on the equator. It is called?
 (a) declination (b) dip
 (c) local attraction (d) secular variation
59. ABC is an equilateral triangle. If bearing of AB is 150° , then bearing of AC is
 (a) 120° (b) 210° (c) 270° (d) 330°
60. Isogonic lines are the lines having the same
 (a) elevation (b) bearing
 (c) declination (d) dip
61. Local attraction at a place may be due to
 (a) key bunches (b) steel buttons
 (c) current carrying bare wire
 (d) electric storm
62. Radiation plane table survey is the best suited when
 (a) distances are long but accessible
 (b) distances are short and accessible
 (c) distances are long and inaccessible
 (d) distances are short but inaccessible
63. When the temperature rise, length of bubble
 (a) remains unaltered (b) decreases
 (c) increases
 (d) sometimes increases and sometimes decreases
64. Sensitiveness of bubble tube (in radians)
 (a) $206265 \times \frac{s}{nD}$ (b) $\frac{s}{nD}$
 (c) $\frac{nD}{s}$ (d) $\frac{Rs}{nl}$
65. A contour map of the area is essential before proceeding with the construction of
 (a) a building (b) a swimming pool
 (c) a dam (d) a bridge
66. Reciprocal leveling eliminates
 (a) collimation error
 (b) collimation, curvature and refraction error
 (c) curvature and refraction error
 (d) collimation and curvature error fully and refraction error partly
67. Pick up the odd statement
 (a) contours give the topography of the area
 (b) intervisibility between two point can be judged from a contour map
 (c) quantities of earthwork can be computed from the contour map
 (d) for a vertical cliff contours seem to cross each other.
68. Right face and left reading are taken to
 (a) get the correct reading
 (b) eliminate error in vertical axis
 (c) eliminate error in vertical axis

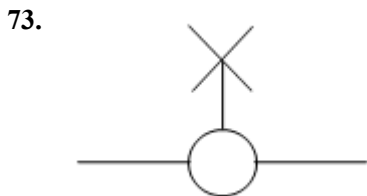
- (d) eliminate error in the line of collimation
69. In a theodolite the line of collimation is
 (a) parallel to axis of plate levels
 (b) parallel to the vertical axis
 (c) perpendicular to the trunnion axis
 (d) parallel to the horizontal axis
70. For a transit theodolite the least reading on the main scale is 20' if its vernier scale should read 20", then
 (a) 59° on the main scale are divided into 60 equal parts
 (b) 20° on the main scale are divided into equal divisions
 (c) 19°40' on the main scale are divided into 60 equal parts
 (d) 20°20' on the main scale are divided into 60 equal parts.



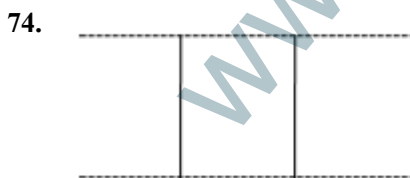
- Represents
 (a) cleaning wall (b) Rain water well
 (c) Draining well (d) Manhole and protection pipe



- Represents
 (a) Well (b) Spring
 (c) Conduit (d) River



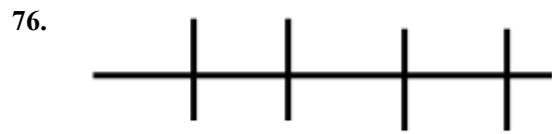
- (a) well with de-aeration device
 (b) Well without de-aeration device
 (c) well with aeration device
 (d) None



- (a) Wall (b) general well
 (c) Road (d) Abutment



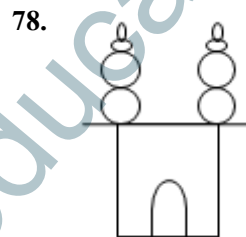
- Represents
 (a) Waste water reservoir
 (b) Water treatment plant
 (c) Waste water pumping station
 (d) Waste water treatment plant



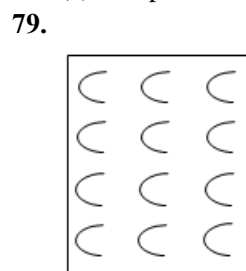
- (a) Under construction (b) Level crossing
 (c) Mineral line (d) Road over railway



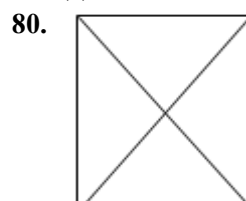
- Represents
 (a) Plain trees (b) houses
 (c) graveyard (d) Orchid



- Represents
 (a) Mosque (b) Church
 (c) Temple (d) Residential building



- Represents
 (a) Rough stone (b) Stone pitching
 (c) Cinders (d) Brick wall



- Represents
 (a) Plywood (b) Tiles
 (c) Rough wood (d) Bricks

81. In the first angle projection method object is placed in _____
 (a) 3rd Quadrant (b) 2nd Quadrant
 (c) 4th Quadrant (d) 1st Quadrant
82. The following is not included in the title block
 (a) Sheet number (b) scale
 (c) method of projection (d) Size of sheet
83. The internal angle of regular hexagon is
 (a) 72° (b) 108°
 (c) 120° (d) 150°
84. The length of 45° / 90° set square is
 (a) 30 cm (b) 25 cm
 (c) 20 cm (d) 15 cm
85. A line of (1m) is shown by (1cm) on a scale, its RF is
 (a) 1 (b) $\frac{1}{10}$ (c) $\frac{1}{100}$ (d) 1000
86. Dodecahedron has how many faces?
 (a) 11 (b) 12 (c) 13 (d) 14
87. The front view of a cone resting with base on H.P
 (a) Cone (b) Triangle
 (c) Parabola (d) hyperbola
88. When the line parallel to vertical plane and perpendicular to horizontal plane we can get its true length in _____
 (a) Front view (b) Top view
 (c) Side view (d) Both (a) and (c)
89. In a cavalier projection, the projection lines makes an angle of _____ with horizontal
 (a) 90° (b) 60° (c) 45° (d) 30°
90. The sectional plane are represented by
 (a) Continuous thick line
 (b) Continuous thin line
 (c) Chain thin line
 (d) Chain thin line having thick edges
91. The following is formed by revolving rectangle about one of its sides which remains based
 (a) cylinder (b) Sphere
 (c) Hemisphere (d) Cone
92. The top view of a hemisphere resting with its base on H.P.
 (a) circle (b) Semicircle
 (c) ellipse (d) Alone
93. Isometric projection of a circle is _____
 (a) Circle (b) ellipse
 (c) Parabola (d) Semicircle
94. In first angle projection the front view of an object is shown on which plane?
 (a) Profile plane (b) Horizontal plane
 (c) Vertical plane (d) Parallel plane
95. Name the curve which have zero eccentricity _____
 (a) ellipse (b) Parabola
 (c) hyperbola (d) Circle
96. The major and minor axis of ellipse are 100mm and 60mm then what will be the distance of its foci from the end of minor axis
 (a) 30 mm (b) 40 mm
 (c) 50 mm (d) 60 mm
97. Involute curves are used in
 (a) Chains (b) gears
 (c) Cams (d) Pulleys
98. Orthographic view of hemisphere is _____
 (a) Circle (b) Semi circle
 (c) Parabola (d) ellipse
99. Orthographic projection represents three dimensional objects in
 (a) 1-D (b) 2-D
 (c) 3-D (d) all of the above
100. In the term ortho-graphic, 'orthos' means
 (a) Drawing (b) Straight
 (c) Projection (d) View
101. A footing which provides a continuous longitudinal bearing (as in case of walls) is known as
 (a) Strip
 (b) Strap
 (c) Combined footing
 (d) Continuous footing
102. Foundation is provided for heavily loaded steel stanchions in soils of poor bearing capacity.
 (a) Strip (b) Strap
 (c) Grillage (d) Raft
103. Steel piles may be
 (a) H-Piles (b) Pipe Piles
 (c) Sheet Piles (d) All the above
104. In sinking the well in well foundation the tilt should not exceed _____
 (a) 1 in 300 (b) 1 in 200
 (c) 1 in 120 (d) 1 in 100
105. The bottom surface of door or a window opening is
 (a) Rebate (b) Sill
 (c) Plinth (d) Cornice
106. The method of protecting the foundations in loose soils from caving in, is called
 (a) timbering (b) shoring
 (c) both (a) and (b) (d) none of the above
107. A low height wall constructed along the edge of the roof is called?
 (a) gable (b) plinths
 (c) string course (d) Parapet
108. Stretcher bond is possible only in
 (a) half brick wall (b) one brick wall
 (c) one and half brick wall
 (d) wall of any thickness
109. The steps provided in the form of brick masonry outside the door in external walls is called
 (a) Capping (b) thresholds
 (c) pedestals (d) stairs

110. A junction at which two walls meet at an angle less than 90° is called
 (a) oblique junction (b) squint junction
 (c) irregular junction (d) obtuse junction
111. Terrazzo flooring is obtained
 (a) by using marble chips as aggregate in concrete
 (b) by spreading the marble chips over ordinary wet concrete
 (c) the joints are susceptible for corrosion
 (d) all the above
112. The inner curve of an arch is known as
 (a) Spandril (b) extrados
 (c) intrados of soffit (d) arcade
113. The wedge shaped units of masonry forming an arch are called
 (a) Closers (b) beveled units
 (c) keys (d) voussoirs
114. An arch which is formed by two arcs of circles meeting at the apex point is known as
 (a) pointed arch (b) stilted arch
 (c) segmental arch (d) sector arch
115. The vertical distance between the tops of two successive treads is called?
 (a) Flight (b) soffit
 (c) run (d) rise
116. A vertical member supporting the hand rail is known as
 (a) newel (b) strut
 (c) stud (d) baluster
117. A continuous series of steps between landings is called
 (a) going (b) stretch
 (c) flight (d) run
118. The angle of the skew-back with the horizontal in the case of flat arches is usually
 (a) 75° (b) 60° (c) 45° (d) 30°
119. If the centre of the arch lies above the springing line, it is
 (a) Segmental arch (b) semi-circular arch
 (c) Bull's eye arch (d) horse-shoe arch
120. A roof which slopes in all the four directions is
 (a) gable roof (b) hip roof
 (c) gambrel roof (d) mansard roof.
121. The horizontal wooden or steel members which support the common rafter in a truss are called
 (a) purlins (b) battens
 (c) cleats (d) posts
122. The normal tread length varies between
 (a) 30 cm to 50 cm (b) 15 cm to 20 cm
 (c) 25 cm to 30 cm (d) 20 cm to 25 cm
123. A stair which changes its direction by 180° is
 (a) three-quarter turn stair (b) half turn stair
 (c) quarter –turn stair (d) straight stair
124. When compressed in cms, the product of rise and going in a stair should be between
 (a) 100 to 150 (b) 200 to 250
 (c) 300 to 350 (d) 400 to 450
125. A semi-circular modeling provided on the edges of wood is known as
 (a) Veneering (b) rebating
 (c) studding (d) beading
126. A semi –rigid material ideally suited to make damp proof course is
 (a) bitumen (b) metal sheet
 (c) mastic asphalt (d) none of the above
127. The advantage of air entrained concrete in lining walls and roofs
 (a) it is heat insulating (b) it is sound insulating
 (c) both (a) and (b) (d) neither (a) nor (b)
128. The height of rooms meant for human habitation must not be less than
 (a) 5 m (b) 2.75 m
 (c) 5.5 m (d) 1.5 m
129. Which of the following has highest calorific value?
 (a) diesel oil (b) bitumen
 (c) timber (d) paper
130. Which of the following has the highest bearing capacity?
 (a) black cotton soil (b) soft clay
 (c) fine sandy soil (d) hard rock
131. Stone chips or broken bricks are also known as
 (a) scrap (b) waste
 (c) dust (d) spall
132. In a three coat plastering the second coat is known as
 (a) floating coat (b) intermediate coat
 (c) setting coat (d) bonding coat
133. In which of the following pointings do the dust and water not accumulate
 (a) recessed pointing (b) V-Pointing
 (c) Struck pointing (d) Flush pointing
134. In single coat plastering the thickness of plastering should not exceed
 (a) 20 mm (b) 15 mm
 (c) 12 mm (d) 10 mm
135. A series of hair cracks developed on a finished plastered surface is known as
 (a) zig-zagging (b) random cracking
 (c) crocodiling (d) crazing
136. A wall constructed to withstand the pressure of an earthfilling is known as
 (a) parapet wall (b) retaining wall
 (c) butting wall (d) cavity wall
137. The formation of loose patches of plaster due to poor bond between successive coats is called
 (a) Scaling (b) Peeling
 (c) flaking (d) popping

138. The points of higher sound intensity where the reflected sound waves meet is called
- (a) Sound foci (b) dead spots
(c) echoes (d) weak spots
139. The timber sections of width more than 5 cm and thickness less than 5 cm are known as
- (a) logs (b) planks
(c) scantlings (d) sheets
140. The usual way of specifying the screws used in wood work is by
- (a) diameter (b) length
(c) weight (d) any of the above
141. A vertical window provided on the sloping roof is known as
- (a) dormer window (b) gable window
(c) lantern window (d) bay window
142. Reverberation means
- (a) sound produced uninterruptedly by a source
(b) sound produced by a source intermittently
(c) persistence of sound even after the source of sound has ceased
(d) acoustic illusion
143. Co-efficient of friction is very low in case of
- (a) dry surface (b) greasy surface
(c) wet surface
(d) frosty weather inside a tunnel
144. Maximum permissible gradient for a station yard is
- (a) 1 in 1000 (b) 1 in 500
(c) 1 in 400 (d) 1 in 300
145. A flyover station is one where
- (a) no train is scheduled to stop but provided only for operational convenience
(b) only passenger trains halt and express and goods trains may not halt
(c) movement of trains is controlled by flags only
(d) everything is temporary including the station
146. A sick siding is the line meant for
- (a) passenger trains to come near the platform
(b) damaged siding that needs repairs
(c) siding meant for sick people and wounded soldiers
(d) takes the trains away from main line
147. Corrugations were found mostly on
- (a) soft rails than hard rails
(b) rails receiving heavy and slow moving rains
(c) rails on concrete sleepers resting on sand ballast
(d) rails on steel sleepers and broken brick ballast
148. Creep will be less
- (a) in hot weather than in cold weather
(b) on double track than on single track
(c) in cuttings than embankments
(d) in swampy soils than on dry soils
149. Daily maintenance includes
- (a) tightening of joints
(b) removal of vegetation from ballast
(c) removal of damaged sleepers
(d) removal of fishplates, grease application and refixing
150. The thin edge of the tongue rail is called
- (a) toe (b) heel
(c) switch (d) throw

***** ALL THE BEST *****

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AP GRAMA/WARD SACHIVALAYAM GRAND TEST - 2 ANSWER KEY
GROUP B

1	a	21	d	41	c	61	c	81	d	101	a	121	a	141	a
2	a	22	d	42	c	62	b	82	d	102	c	122	c	142	c
3	c	23	d	43	c	63	b	83	c	103	d	123	b	143	b
4	a	24	a	44	b	64	b	84	c	104	b	124	d	144	c
5	a	25	b	45	d	65	c	85	c	105	b	125	d	145	c
6	d	26	a	46	b	66	d	86	b	106	c	126	c	146	d
7	b	27	d	47	a	67	d	87	b	107	d	127	c	147	d
8	b	28	a	48	a	68	b	88	d	108	a	128	b	148	c
9	d	29	a	49	b	69	c	89	c	109	b	129	a	149	a
10	d	30	d	50	c	70	c	90	d	110	b	130	d	150	a
11	b	31	a	51	a	71	a	91	a	111	a	131	d		
12	b	32	d	52	b	72	b	92	b	112	c	132	a		
13	b	33	c	53	d	73	a	93	b	113	d	133	d		
14	b	34	b	54	a	74	b	94	c	114	a	134	c		
15	a	35	c	55	d	75	c	95	d	115	d	135	d		
16	a	36	a	56	b	76	d	96	c	116	d	136	b		
17	b	37	c	57	c	77	c	97	b	117	c	137	c		
18	d	38	d	58	b	78	a	98	a	118	b	138	a		
19	c	39	a	59	b	79	b	99	b	119	d	139	c		
20	d	40	b	60	c	80	c	100	b	120	b	140	b		