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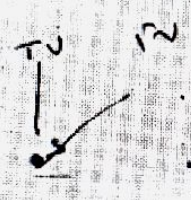


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1. A force is completely defined when we specify
 - (A) magnitude
 - (B) direction
 - (C) point of application
 - (D) All of the above
2. Hooke's law states that stress and strain are
 - (A) directly proportional
 - (B) inversely proportional
 - (C) curvilinear proportional
 - (D) All of the above
3. One hectare is equal to
 - (A) 4840 sq. m
 - (B) 4048 sq. m
 - (C) 10000 sq. m
 - (D) 4000 sq. m
4. The crushing strength of good building stone should be more than (in MPa)
 - (A) 100
 - (B) 150
 - (C) 200
 - (D) 50
5. Which of the following is not a land-use zone?
 - (A) Industrial
 - (B) Commercial
 - (C) Heritage
 - (D) None of the above
6. The moisture content in well-seasoned timber is
 - (A) 4% to 5%
 - (B) 10% to 12%
 - (C) 15% to 20%
 - (D) None of the above
7. The crushing strength of the first-class brick should not be less than (in N/mm^2)
 - (A) 7.0
 - (B) 10.5
 - (C) 14.0
 - (D) 3.5
8. As compared to field rivets, the shop rivets are
 - (A) stronger
 - (B) weaker
 - (C) equally strong
 - (D) Any of the above
9. Normal consistency of ordinary Portland cement is about
 - (A) 30%
 - (B) 40%
 - (C) 10%
 - (D) 20%
10. Le Chatelier device is used for determining the
 - (A) setting time of cement
 - (B) soundness of cement
 - (C) tensile strength of cement
 - (D) None of the above

11. Folk, Work, Place' concept was given by
- ☒ Patrick Geddes
 - ☐ Ebenezer Howard
 - ☐ Doxiadis
 - ☐ Le Corbusier
12. The point at which the eyes of observer are located S and S' indicated respectively the TV and FV of S , is
- 
- ☒ piercing point
 - ☐ exit point
 - ☒ vanishing point
 - ☐ station point
13. Sectoral planning **does not** include
- ☐ transport
 - ☒ hill area
 - ☐ infrastructure
 - ☐ irrigation
14. Who wrote, *The Population Bomb*?
- ☐ Ehrlich
 - ☐ Meadows
 - ☒ Amartya Sen
 - ☐ None of them
15. The concept of spread and backwash effects was introduced by
- ☐ Gunder Frank
 - ☒ Gunnar Myrdal
 - ☐ Samir Amin
 - ☐ A. O. Hirschman
16. Which of the following regions has been classified as the 'Western Dry Region' by the Planning Commission?
- ☐ NEFA Region
 - ☐ West Bengal Duars
 - ☐ North Bihar Dry Region
 - ☒ Rajasthan Dry Region
17. After Independence, at which level the first attempt for planning of rural development was made on?
- ☐ District level
 - ☒ Tehsil level
 - ☐ Panchayati level
 - ☐ Block level
18. The ratio of town area to agricultural land area as suggested by Sir Ebenezer Howard in 'Garden City' concept is
- ☐ 15
 - ☐ 10
 - ☐ 5
 - ☒ 20

19. The major objective behind the identification of five counter magnet cities outside the National Capital Region was

- to further strengthen policies for decentralization of economic activities within and outside the NCR
- to further strengthen policies for decentralization of population within and outside the NCR
- to further strengthen the availability of physical infrastructure facilities within and outside the NCR
- to further strengthen health and medical care services outside the NCR

Choose the correct answer from the code given below.

- (A) i, iii and iv
(B) i and ii
(C) i, ii and iv
(D) i and iii

20. 'Sight distance' is considered in the design of

- (A) fenestration
(B) open kitchen
(C) auditorium
(D) road intersection

21. Which of the following is *not* correct?

- V. Nath divided India into 15 macroregions
- Ashok Mitra divided India into 5 macroregions
- Prakash Rao and L. S. Bhatt divided the country into macroregions
- Chandrashekhar divided India into 13 microregions

- (A) iv only
(B) i only
(C) iii only
(D) i and iv

22. Who among the following conceived the idea of shipping canal between India and Sri Lanka?

- (A) C. J. Barrow
(B) Farrell
(C) A. D. Taylor
(D) Luna Leopold

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

List-I (Ackerman-population resource region)	List-II (Name of countries)
a. Brazilian type	i. India
b. Egyptian type	ii. Japan
c. European type	iii. Latin America
d. US type	iv. Australia

- (A) a-ii, b-iv, c-iii, d-i
(B) a-ii, b-iii, c-iv, d-i
(C) a-iii, b-i, c-ii, d-iv
(D) a-iii, b-i, c-iv, d-ii

24. The Gobi Desert lacks economic development. The reason is
- the sand dunes that have inhibited transport development
 - the continental climate and remoteness
 - the mongoloid people are not motivated politically
 - the inaccessibility of the region
25. Arrange the following stages for the growth of urban area :
- Regional metropolis
 - Economic maturation
 - Export specialization
 - Export complex
 - Technical professional virtuosity
- iii, iv, ii, i, v
 - ii, iv, iii, v, i
 - v, i, ii, iii, iv
 - i, iii, iv, v, ii
26. Alonso model is
- a model to explain the pattern to land use and land value in urban areas
 - a type of iconic model used to forecast weather
 - a type of statistical derivation
 - None of the above
27. Statutory setback of a building depends on
- property boundary
 - width of access road
 - ground coverage
 - building height
28. The Pritzker Prize, 2021 has been awarded to
- Balkrishna Doshi
 - Francis Kéré
 - Frei Otto
 - Anne Lacaton and Jean-Philippe Vassal
29. Superplasticizer is added in a concrete mix to
- increase the water-cement ratio for a given workability
 - reduce the flow
 - reduce the content of coarse aggregate
 - reduce the water-cement ratio for a given workability
30. Which one of the following forms of settlement develops along either side of roads, rivers or canals?
- Cross-shaped
 - Linear
 - Square
 - Circular

31. Industrialization and rapid urbanization have created
(A) rural regeneration
(B) urban generation
(C) rural depopulation
(D) urban decay
32. The settlement of the Gangetic plain may be called
(A) isolated settlement
(B) clustered settlement
(C) wet point settlement
(D) dry point settlement
33. Occupancy rate refers to the
(A) number of persons working in an office
(B) number of person-habitable rooms per acre
(C) number of person-habitable rooms per unit area
(D) number of persons per habitable rooms
34. Cadastral map shows
(A) crop pattern
(B) waterbodies
(C) vegetation
(D) land ownership
35. A good way to measure the quality of life in countries across the world is by comparing their
(A) human development index
(B) gross national income
(C) sustainable development
(D) per capita income
36. Which one of the following industries is called as heavy engineering industry?
(A) Heavy electricals
(B) Heavy machinery
(C) Iron and steel
(D) Glass
37. Of late, the major focus in urban industrial development is of
(A) port city oriented development
(B) cluster development
(C) nodal development
(D) None of the above
38. Assertion (A) :
Losch believed that price increase is result of transport cost and by rating the demand curve around the production point P, the shape of market area is seen to be circular.
Reasons (R) :
Losch treated each section as having separate range, threshold, hexagonal hinterland.
(A) A is true but R is false
(B) Both A and R are true but R is NOT the correct explanation of A
(C) Both A and R are true and R is the correct explanation of A
(D) A is false but R is true

39. 'Save Silent Valley' Movement, a social movement to save the tropical green forest from destruction for a regional development project, was territorially faced in Indian State of

- (A) Bihar
(B) West Bengal
(C) Kerala
(D) Gujarat

40. Match List-I with List-II :

List-I	List-II
a. Chipko	i. Gujarat
b. Save Silent Valley	ii. Uttarakhand
c. Narmada Bachao	iii. Kerala
d. Jungle Bachao	iv. Jharkhand

- (A) a-ii, b-iii, c-i, d-iv
(B) a-iv, b-iii, c-ii, d-i
(C) a-iii, b-ii, c-i, d-iv
(D) a-ii, b-iv, c-iii, d-i

41. Match the books in Group-I with their authors in Group-II :

Group-I	Group-II
P. Space, Time and Architecture	1. Jane Jacobs
Q. Form, Space and Order	2. Kevin Lynch
R. The Death and Life of Great American Cities	3. Ian McHarg
S. The Image of the City	4. Francis D. K. Ching
	5. Giedion S.

- (A) P-5, Q-2, R-1, S-3
(B) P-5, Q-3, R-1, S-2
(C) P-2, Q-5, R-3, S-4
(D) P-2, Q-5, R-1, S-3

42. A classroom of 12 m × 25 m × 4 m requires 3 air changes per hour. At an air velocity of 2 m/s, the necessary duct cross-section (in m²) is

- (A) 0.75
(B) 1.00
(C) 1.5
(D) 0.50

43. The best location for laying the main sewer line on a flat land is

- (A) under the sidewalk
(B) under the central verge
(C) under the open space along sidewalk
(D) under the road

44. A sanitary landfill is provided with High Density Poly Ethylene (HDPE) lining along the ground surface. This is provided primarily to prevent

- (A) leaching
(B) rodents
(C) plant growth
(D) bleaching

45. Which of the following parameters is essential to estimate the Envelope Performance Factor (EPF) of a building as per the Energy Conservation Building Code (ECBC), 2011?

- (A) Maximum humidity
(B) Maximum and minimum monthly temperature
(C) Building occupancy duration
(D) Building type

46. The purchase price of BHK flat rises 10 percent. The demand for such flats is observed to decrease by 8 percent. The given elasticity of the housing demand for 2010-11 (flat is rounded off to one decimal place) is
(A) 0.8
(B) 8
(C) 80
(D) 0.08
47. A cone, with a base of 10 cm diameter and axis of 12 cm, is lying on horizontal plane (HP) along its generator. The internal angle which is the base of the cone makes with HP is
(A) 7.6°
(B) 67.6°
(C) 37.6°
(D) 67°
48. A room having dimension $12\text{ m} \times 10\text{ m} \times 3.5\text{ m}$ is required to be mechanically ventilated by air-conditioner. The temperature difference of outdoor ambient air and the supply air is 12°C . Consider three air exchanges per hour. The volumetric specific heat of the air is 1250 J/m^3 . Assume one ton of refrigeration (TR) is equal to 3.5 kW. The capacity of the air-conditioner for the room in TR will be
(A) 1.5
(B) 0.5
(C) 3.5
(D) 2.5
49. A residential area of 20 hectares is planned for three different types C4 plots of 500 m^2 , 300 m^2 and 200 m^2 with numbers of plot in each category are 100, 120, 150 respectively. The rest of the area is allowed for roads and facilities such as schools, shops and parks. Each plot has one dwelling unit and the average household size is 5 persons. The net residential density of the area in person per hectare is
(A) 160
(B) 80
(C) 60
(D) 16
50. As per the Handbook on Barrier Free and Accessibility, CPWD-2014, match the design guidelines in Column-I with their appropriate standards in Column-II and select the appropriate option :
- | Column-I | Column-II |
|--|------------|
| P. Minimum clear width of ramp | 1. 600 mm |
| Q. Maximum height of wash basin (rim) above finished floor level | 2. 1500 mm |
| R. Minimum length of grab rail | 3. 750 mm |
| S. Minimum clear width for manoeuvring space (wheel chair) | 4. 900 mm |
| | 5. 1800 mm |
- (A) P-5, Q-3, R-2, S-4
(B) P-5, Q-3, R-1, S-2
(C) P-1, Q-4, R-3, S-2
(D) P-3, Q-4, R-1, S-5

51. The Golden Ratio refers to
 (A) $(1 + \sqrt{5}) : 2$
 (B) $1 : 1\sqrt{2}$
 (C) $16 : 9$
 (D) $1 : \sqrt{2}$
52. As per the United Nations Transforming Our World, the 2030 Agenda for Sustainable Development, 2015, which of the following Sustainable Development Goals (SDGs) directly address(es) water-related issues?
 P. SDG-1
 Q. SDG-4
 R. SDG-6
 S. SDG-14
 (A) R, S
 (B) R
 (C) S
 (D) P, Q
53. Which of the following is a part of studio apartment?
 (A) Artistic room ✗
 (B) Multipurpose space
 (C) Children room
 (D) Master bedroom
54. Development plan includes
 (A) city development plan
 (B) master plan and city development plan
 (C) regional plan
 (D) master plan
55. The solar protection system consisting of fixed slats or grids, outside a building facade in front of openings, is known as
 (A) solarium
 (B) malqaf
 (C) trombe wall
 (D) brise-soleil
56. The Town and Country Planning Organization was set up in India in 1962 with the merger of which of the following institutes?
 (A) TPO and the Ministry of Urban Development
 (B) TPO and the Ministry of Urban Affairs
 (C) TPO and the Central Regional and Urban Planning Organization
 (D) TPO and RBI ✗
57. Assuming other variables remaining constant, the tropical summer index
 (A) decreases with increase in wet-bulb temperature
 (B) decreases with increase in globe temperature
 (C) increases with increase in vapor pressure
 (D) increases with increase in air velocity

58. Match the units provided in Column-I with their corresponding items in Column-II and select the appropriate option :

Column-I	Column-II
P. dB	1. Sound intensity
Q. phon	2. Absorption of sound
R. W/m^2	3. Frequency of sound
S. sabin	4. Loudness
	5. Sound pressure level

(A) P-2, Q-3, R-4, S-5

(B) P-1, Q-2, R-3, S-4

☒ (C) P-5, Q-4, R-1, S-2

(D) P-5, Q-1, R-4, S-3

59. Who wrote the book, *Growth Pole and Growth Centre for Regional Economic Development in India*?

(A) Rameshwar Prasad Mishra

(B) Sdasyuk and Sengupta

☒ (C) Sen and Wanmali

(D) Sundaram and T. B. Lahiri

60. Who suggested new method to measure regional imbalances in development and allocation of funds to States of India?

(A) A. Mitra

(B) A. Kundu

☒ (C) Raghu Rajan

(D) Ashok Dutta

61. In Critical Path Method (CPM) for time scheduling, 'forward pass calculation' is carried out for determining

(A) early start and early finish time

☒ (B) late start and late finish time

(C) early start and late finish time

(D) late start and early finish time

62. When the ambient lapse rate is greater than the dry adiabatic lapse rate, the atmosphere is said to be

(A) superadiabatic lapse rate

(B) negative adiabatic lapse rate

(C) adiabatic lapse rate

☒ (D) subadiabatic lapse rate

63. As per the Noise Pollution (Regulation and Control) Rules, 2000 of India, the day-time noise limit for a residential zone expressed in dB(A) L_{eq} is

(A) 65

(B) 60

(C) 50

☒ (D) 55

64. Emergency preparedness for risk reduction does not include
- (A) rehabilitation
(B) relief
(C) revision of code
(D) rescue
65. Waste removal system was established in which of the following cities for the first time?
- (A) Lahore
(B) Paris
(C) London
(D) Athens
66. Which of the following solid wastes describes the term Municipal Solid Waste?
- (A) Hazardous
(B) Non-toxic
(C) Non-hazardous
(D) Toxic
67. The scale applied in statistics, which imparts a difference of magnitude and proportions, is considered as
- (A) goodness scale
(B) ratio scale
(C) satisfactory scale
(D) exponential scale
68. If the mean and mode of some data are 6 and 12 respectively, its median will be
- (A) 8
(B) 9
(C) 10
(D) None of the above
69. If the standard deviation of 10, 11, 12, 13, ..., 19 is X , then the standard deviation of 100, 101, 102, 103, ..., 109 will be
- (A) $10000X$
(B) $100X$
(C) $100 + X$
(D) X
70. If the arithmetic mean and harmonic mean of some data are 343 and 7 respectively, then its geometric mean will be
- (A) 21
(B) 28
(C) 49
(D) 14

71. As per the National Building Code (NBC), at what depth all foundations shall extend from ground level?
(A) 0.3 m
(B) 0.4 m
(C) 0.5 m
(D) 0.2 m
72. For the design of retaining walls, the minimum factor of safety against overturning is taken as
(A) 1.4
(B) 1.5
(C) 3
(D) 2
73. The purpose of the hooked ends on reinforcement bars in concrete lintels is to
(A) prevent the rods from slipping
(B) combat tension
(C) increase rod strength
(D) resist compression
74. When a curved wall is to be built to a radius of 1.5 m, the most suitable bond would be
(A) header
(B) English
(C) Flemish
(D) stretcher
75. The piece of brick cut along the centre of width in such a way that its length is equal to that of full brick, is called
(A) queen closer
(B) king closer
(C) beveled closer
(D) half brick
76. Spatial connectedness in GIS refers to
(A) topography
(B) topiary
(C) topology
(D) tomography
77. As per the Census of India, 2011, Nagar Panchayat refers to
(A) urban area within a panchayat
(B) rural area adjacent to a nagar
(C) urban area with a statutory local government
(D) rural area surrounded by a growing city
78. Indore Slum Networking Programme has been planned by
(A) Dulal Mukherjee
(B) Anil Laul
(C) Himanshu Parikh
(D) B. V. Doshi
79. Map is an
(A) orthographic projection
(B) axonometric projection
(C) oblique projection
(D) isometric projection

80. In mass transportation, LRTS stands for

- (A) Linear Rail Transit System
- (B) Light Rail Transportation System
- (C) Linear Rail Transportation System
- (D) Light Rail Transit System

81. AMRUT, the new scheme launched by the Government of India, stands for

- (A) Atal Mission for Renewal of Urban Transportation
- (B) Atal Mission for Redevelopment of Urban Transportation
- (C) Atal Mission for Renewal and Urban Transformation
- (D) Atal Mission for Rejuvenation and Urban Transformation

82. Development Authorities in India are established under the provision of the

- (A) 74th Constitutional Amendment Act
- (B) Town and Country Planning Act
- (C) Land Acquisition Act
- (D) Municipal Act

83. In India, the term 'Town Planning Scheme' refers to

- (A) land rejuvenation
- (B) land reclamation
- (C) land readjustment
- (D) land renewal

84. During the construction of tall buildings, the equipment used for hoisting building materials to the upper floors is a

- (A) capsule lift
- (B) gantry crane
- (C) tower crane
- (D) goods lift

85. What is the earliest start time rule?

- (A) It compares the activity's end time for an activity predecessor
- (B) It directs when a project can start
- (C) It regulates when a project must begin
- (D) It compares the activity's starting time for an activity successor

86. A 'cul-de-sac' is a street where

- (A) through traffic is discouraged
- (B) pedestrians are not permitted
- (C) vehicles are permitted to move in one direction only
- (D) only two-wheelers are permitted

87. Increase in the volume of fine aggregate due to the pressure of moisture is called

- (A) buckling
- (B) bending
- (C) twisting
- (D) bulking

88. The surface run-off is the quantity of water
 (A) required to fill surface depressions
 (B) intercepted by buildings and vegetative cover
 (C) that reaches the stream channels
 (D) All of the above
89. Panchayati Raj is a
 (A) two-tier system
 (B) three-tier system
 (C) four-tier system
 (D) None of the above
90. The Planning Commission was established in the year
 (A) 1948
 (B) 1950
 (C) 1965
 (D) 1947
91. Which of the following is *not* a function of a good mulch?
 (A) Prevent soil temperature fluctuations
 (B) Encourage weed growth
 (C) Improve landscape appearance
 (D) Aid in water retention
92. 'Mihrab' is found
 (A) on the crown of minaret
 (B) on the west wall of a mosque
 (C) in the stepped well of Gujarat
 (D) inside wall of a mausoleum
93. Development that meets the needs of the present generation without compromising the ability of future generations to meet their own needs is termed by UNDP is
 (A) equitable development
 (B) human development
 (C) sustainable development
 (D) comprehensive development
94. The Government of India's Urban Development Program 'HRIDAY' stands for
 (A) Heritage Review Implementation Development Augmentation Yojana
 (B) Heritage City Development and Augmentation Yojana
 (C) Heritage City Improvement and Development Aawas Yojana
 (D) Heritage Rejuvenation Implementation Development Aayog Yojana
95. Which of the following commands in AUTOCAD is used to create 3D solid between various cross-sections?
 (A) MESH
 (B) XLINE
 (C) PFACE
 (D) LOFT

96. The method in which edge or surface is divided into small number of parts and projection is transferred for each point is called

- (A) drawing auxiliary view of an equal surface
- ✓ (B) drawing auxiliary view of a curved surface
- (C) drawing auxiliary view of an opposite surface
- (D) drawing auxiliary view of an inclined surface

97. For DPC at the plinth level, which grade of concrete is used?

- (A) M25
- (B) M20
- ✓ (C) M15
- (D) M10

98. Grand Innovation Challenge was initiated by

- (A) ITPI
- (B) Planning Commission
- ✓ (C) Ministry of Housing and Urban Affairs
- (D) NITI Aayog

99. Which one is *not* included in sectoral planning?

- (A) Infrastructure
- ✓ (B) Hill area
- (C) Plane area
- (D) Transportation

100. As per CPCB, how much solid waste is generated per capita per day in large cities?

- (A) 500 g
- (B) 2100 g
- (C) 2800 g
- ✓ (D) 250 g

101. The effect of a force on a body depends upon

- (A) magnitude
- (B) direction
- (C) position or line of action
- ✓ (D) All of the above

102. Which is the right sequence of planners on the Anglo-American tradition?

- ✓ (A) Geddes, Unwin, Howard, Perry
- (B) Unwin, Howard, Perry, Geddes
- (C) Howard, Perry, Geddes, Unwin
- (D) Perry, Geddes, Unwin, Howard

103. The form of the roof of a house depends mainly on

- ✓ (A) climatic conditions
- ✓ (B) geographical conditions
- (C) sociological conditions
- (D) geological conditions

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104. The average weight of A, B, C is 45 kg. If the average weight of A and B is 40 kg and that of B and C be 43 kg, then the weight of B is

- (A) 31 kg
(B) 32 kg
(C) 33 kg
(D) 30 kg

105. Shyam has a newspaper route. Each morning he delivers 37 newspapers to customers in his neighborhood. It takes Shyam 50 minutes to deliver all the newspapers. If Shyam is sick or has other plans, his friend Ram, who lives on the same street, will sometimes deliver the newspapers for him.

Which of the following is correct for the above situation?

- (A) It takes Ram more than 50 minutes to deliver the newspapers
(B) It is dark outside when Shyam begins his deliveries
(C) Ram would like to have his own newspaper route
(D) Shyam and Ram live in the same neighborhood

106. The coagulant which is generally not used for treating the sewage, is

- (A) ferric chloride
(B) sulphate
(C) chlorinated copper
(D) alum

107. What is the average design hydraulic retention time for domestic wastewater in a septic tank?

- (A) 24 hours
(B) 48 hours
(C) 12 hours
(D) 2 hours

108. Biochemical Oxygen Demand (BOD) of safe drinking water must be

- (A) 10
(B) 7
(C) 0
(D) 5

109. Water requirement per head per day for average domestic purposes, as per IS : 1172-1963, is

- (A) 250 litres
(B) 135 litres
(C) 20 litres
(D) 60 litres

110. Which term is referred for the total amount of material carried by the water of a stream or river?

- (A) Capacity competence
(B) Carrying discharge
(C) Load
(D) Carrying capacity

111. Surge tanks are used

- (A) to increase the velocity in a pipeline
- (B) in overflow valves
- (C) to guard against water hammer
- (D) for storage water

112. Which of the following is rock?

- (A) Quartz
- (B) Mica
- (C) Gypsum
- (D) None of the above

113. The strength of the timber is maximum when it is

- (A) parallel to the grain
- (B) 45° to the grain
- (C) perpendicular to the grain
- (D) None of the above

114. Who had initiated the term 'megapolis'?

- (A) Sir Ebenezer Howard
- (B) Sir Patrick Geddes
- (C) J. Gottman
- (D) Le Corbusier

115. The head of average proportioned human figure is

- (A) 1/9 of overall body height
- (B) 1/8 of overall body height
- (C) 1/7 of overall body height
- (D) 1/10 of overall body height

116. The statement related with dwelling units per acre of land area actually in use or proposed to be used for residential purpose is

- (A) Overall Neighbourhood Density (OND)
- (B) Gross Residential Density (GRD)
- (C) Average Residential Density (ARD)
- (D) Net Residential Density (NRD)

117. Match the Five-Year Plans with their main features :

P. First Five-Year Plan	1. Introduction of JNNURM
Q. Fourth Five-Year Plan	2. Passing of the Urban Land Ceiling and Regulation Act
R. Seventh Five-Year Plan	3. Announcement of the National Housing Policy
S. Tenth Five-Year Plan	4. Formation of HUDCO
	5. Establishment of TCI

- (A) P-5, Q-1, R-4, S-2
- (B) P-4, Q-1, R-2, S-5
- (C) P-3, Q-4, R-1, S-5
- (D) P-5, Q-4, R-3, S-1

118. Match the terms in Group-I with the appropriate items in Group-II :

Group-I	Group-II
P. Toposheet	1. Path/Row
Q. Satellite	2. Contour
R. Wavelength	3. Focal length
S. Scan line	4. Spectral signature
	5. Bits/Inch

(A) P-3, Q-4, R-1, S-5

(B) P-2, Q-4, R-1, S-5

(C) P-2, Q-1, R-4, S-5

(D) P-5, Q-4, R-2, S-1

119. In 2010, the Government of India has made mandatory provision for all government buildings

(A) GRIHA 3-Star

(B) GRIHA 4-Star

(C) GRIHA 5-Star

(D) GRIHA 2-Star

120. Individual parking space for scooter is

(A) 1.25 sq. m

(B) 2 sq. m

(C) 2.5 sq. m

(D) 1 sq. m

121. Hooke's law is valid up to

(A) proportional limit

(B) plastic limit

(C) yield point

(D) elastic limit

122. Forces are called coplanar when all of them acting on body lie in

(A) one plane

(B) different planes

(C) perpendicular plane

(D) one point

123. Forces are called concurrent when their lines of action meet in

(A) two points

(B) plane

(C) different planes

(D) one point

124. A force acting on a body may

(A) introduce internal stresses

(B) balance the other forces acting on it

(C) retard the motion

(D) All of the above

125. As on 2018, right to property is a

(A) secondary right

(B) constitutional right

(C) tertiary right

(D) fundamental right