

M. Plan. (Urban and Regional Planning) Entrance Test, 2022

1. Who among the following has propounded the theory of Ekistics ?  
(A) Spiro Kostof (B) Constantinos A. Doxiadis  
(C) Patrick Geddes (D) Pierre L'Enfant
2. Which of the following was written by Edmund Bacon ?  
(A) *Cities in Evolution* (B) *The City in History*  
(C) *Design of Cities* (D) *The Concise Townscape*
3. Which of the following is *not* an Indus Valley Civilization site in India ?  
(A) Dholavira (B) Rakhigarhi  
(C) Lothal (D) Larkana
4. Which of the following was *not* built under the New Deal Programme of the Great Depression ?  
(A) Greenway (B) Greendale  
(C) Greenhills (D) Greenbelt
5. Which of the following cities is based on the theory of Ekistics ?  
(A) Tel Aviv (B) New Delhi  
(C) Canberra (D) Islamabad

6. Who among the following is called the 'Father of the City Beautiful Movement' ?
- (A) Raymond Unwin (B) Daniel H. Burnham  
(C) Albert Speer (D) John Vanbrugh
7. What is the dimension of the Sector in the Chandigarh Masterplan ?
- (A) 400 m × 1000 m (B) 600 m × 1500 m  
(C) 800 m × 1200 m (D) 1000 m × 1600 m
8. What is the minimum size prescribed for a habitable room for Resettlement and Slum in-sit Upgradation as per the Model Building Byelaws, 2016 ?
- (A) 7.5 sqm. (B) 9.5 sqm.  
(C) 10.5 sqm. (D) 11.5 sqm.
9. Which of the following comprises a salient feature of Model Building Byelaws, 2016 ?
- (A) JNNURM  
(B) National Rural Livelihood Mission  
(C) Swachh Bharat Mission  
(D) PMAY
10. What is the minimum plot size for the mandatory inclusion of a Rainwater Harvesting System when submitting building plans for sanction as mandated by the Model Building Byelaws, 2016 ?
- (A) 90 sqm. (B) 100 sqm.  
(C) 115 sqm. (D) 120 sqm.

11. Which of the following is *not* a constituent of a Rainwater Harvesting System ?
- (A) Plinth protection (B) Storage tank  
(C) Gutter (D) Roof catchment
12. Which authority has the legal mandate to draft and notify Site Specific Heritage Byelaws in India ?
- (A) ASI (B) INTACH  
(C) PURA (D) NMA
13. Which of the following is *not* an environmental clearance requirement for Category A Buildings as defined in Model Building Byelaws, 2016 under the head Environmental conditions for compliance during Building approvals ?
- (A) Environment Management Plan  
(B) Energy  
(C) Green Cover  
(D) Air Quality and Noise
14. Who proposed the Garden City theory ?
- (A) Le Corbusier (B) Patrick Geddes  
(C) Ebenezer Howard (D) Arturo Sorio y Mata
15. Who is the author of the Bureaucracy Theory ?
- (A) Pierre L'Enfant (B) Aldo Rossi  
(C) Lewis Mumford (D) Max Weber

**16.** Which of the following rivers is regarded as the Cradle of Chinese Civilization ?

- |              |             |
|--------------|-------------|
| (A) Huang He | (B) Yangtze |
| (C) Mekong   | (D) Wusong  |

**17.** When was the RERA Act passed ?

- |          |          |
|----------|----------|
| (A) 2010 | (B) 2014 |
| (C) 2016 | (D) 2020 |

**18.** Which category of buildings does ECO Niwas Samhita, 2018 cater to ?

- |                 |                   |
|-----------------|-------------------|
| (A) Residential | (B) Retail        |
| (C) Healthcare  | (D) Institutional |

**19.** Which of the following will have a Nagar Panchayat as its local governing body as per URDPFI guidelines ?

- |                 |                       |
|-----------------|-----------------------|
| (A) Medium Town | (B) Metropolitan City |
| (C) Large City  | (D) Small Town        |

**20.** Which of the following is the apex regulatory and licensing body for housing finance companies in India ?

- |           |          |
|-----------|----------|
| (A) HUDCO | (B) SEBI |
| (C) NHB   | (D) HDFC |

**21.** How many Mega Cities exist in India as per Census, 2011 ?

- |       |       |
|-------|-------|
| (A) 5 | (B) 3 |
| (C) 2 | (D) 4 |

22. Which of the following is *not* a planning region as identified under the URDPFI guidelines ?
- (A) Administrative Region                      (B) Investment Region  
(C) Capital Region                              (D) Special Region
23. Which of the following conform to micro level planning under the URDPFI guidelines ?
- (A) Local Area Plan                              (B) Special Purpose Plan  
(C) Annual Plan                                  (D) Development Plan
24. Which of the following has been notified for spatial planning in Gram Panchayat areas ?
- (A) URDPFI                                      (B) PMAY  
(C) PMSY                                        (D) RADPFI
25. What are zones of transition from urban to rural land, located between the outer limits of urban and regional centres and the rural environment called ?
- (A) Satellite towns                              (B) Outgrowth  
(C) Peri Urban Areas                              (D) Growth Points
26. What is the population of a Class VII Village ?
- (A) Less than 200  
(B) 200-499  
(C) 500-999  
(D) 1000-1999

27. What is the minimum population prescribed for an area to be defined as an Urban Agglomeration as per URDPFI guidelines ?
- (A) 10000 (B) 15000  
(C) 20000 (D) 30000
28. Which of the following is Hippodamus ?
- (A) Biological name of a plant  
(B) Roman architect  
(C) Popular name of an animal  
(D) Greek planner
29. What is the name given to a fortified citadel built on the top of a hill ?
- (A) Acropolis (B) Megalopolis  
(C) Persepolis (D) Megapolis
30. Which of the following is *not* a city of ancient Greece ?
- (A) Sparta (B) Thebes  
(C) Carthage (D) Delphi
31. Which of the following does IDSMT stand for ?
- (A) Integrated Development Scheme for Manufacturing Towns  
(B) Integrated Development of Small and Medium Towns  
(C) Integrated Development Scheme for Medium Towns  
(D) Integrated Development of Small Mandi Towns

32. Who is the author of *Principles and Practices of Town and Country Planning* ?

- (A) Lewis Mumford
- (B) Clive Staples Lewis
- (C) Peter Hall
- (D) Lewis Keeble

33. Who advocated the theory of 'Eyes on the Street' ?

- (A) Gertrude Jekyll
- (B) Martha Schwartz
- (C) Jane Jacobs
- (D) Denise Scott Brown

34. Which of the following policy frameworks deals with the realization of the goal of 'Affordable Housing for All' in urban areas ?

- (A) JNNSM 2010
- (B) NRLM 2011
- (C) JNNURM 2005
- (D) NUHHP 2007

35. Which of the following is *not* a component of PMAY-Urban ?

- (A) ISSR
- (B) AHP
- (C) PMGSY
- (D) CLSS

36. Which of the following is a sub-mission of JNNURM 2005 ?

- (A) SSS
- (B) BSUP
- (C) RAY
- (D) IAY

37. Which of the following is *not* a recognised method of composting waste in India ?
- (A) Coimbatore Method
  - (B) Bangalore Method
  - (C) Allahabad Method
  - (D) Indore Method
38. Niti Aayog took over from which of the following establishments ?
- (A) Census of India
  - (B) National Housing Board
  - (C) Union Public Service Commission
  - (D) Planning Commission
39. Which of the following articles of the Constitution of India stipulates the constitution of a District Planning Committee in every State to prepare draft development plans for the district ?
- (A) Article, 243ZD
  - (B) Article, 243G
  - (C) Article, 243E
  - (D) Article, 243ZA
40. Which of the following has *not* been mandated by the Disaster Management Act, 2005 ?
- (A) NDMA
  - (B) SDMA
  - (C) PDMA
  - (D) DDMA



41. Which of the following scales are prescribed for preparation of the Landuse Map of the Village under the Gram Panchayat Spatial Development Plan ?
- (A) 1 : 7000 or more (B) 1 : 3000 or more  
(C) 1 : 1000 or more (D) 1 : 5000 or more
42. Which nodal agency is responsible for providing current and archival satellite data from all contemporary satellites in India ?
- (A) INTACH (B) NRSC  
(C) SEWA (D) CSE
43. Which of the following databases is available on the Bhuvan Panchayat Portal ?
- (A) Cadastral Data (B) Tuple Data  
(C) Binary Data (D) Liminal Data
44. Which of the following is *not* an established mapped asset as per village amenities that the community values ?
- (A) Legal Assets (B) Governance Assets  
(C) Civic Amenities (D) Productive Assets
45. Which of the following is *not* a contributor to the Panchayat revenue ?
- (A) Mid-Day Meal Scheme (B) HRIDAY Yojana  
(C) National Health Mission (D) Sarva Shiksha Abhiyan

46. Which of the following is *not* an affordable housing scheme proposed by Government of India ?
- (A) RAY
  - (B) PMGSY
  - (C) IAY
  - (D) PMAY
47. HUDCO Niwas does *not* offer loans for which of the following conditions ?
- (A) Construction of a house
  - (B) Purchase of a plot
  - (C) Demolition of a house
  - (D) Extending an existing house
48. What are the parking standards prescribed for Group Housing as per the Model Building Byelaws, 2016 ?
- (A) 2 ECS/100 sqm. of built up area
  - (B) 3 ECS/100 sqm. of built up area
  - (C) 2 ECS//100 sqm. of floor area
  - (D) 3 ECS/100 sqm. of floor area
49. Which of the following regulations prescribe the maximum permissible building height in the vicinity of aerodromes ?
- (A) MPD
  - (B) CCZM
  - (C) DMP
  - (D) SARAL

50. What is the prescribed minimum size of a ventilation shaft for a building above 30 m in height as per the Model Building Byelaws, 2016 ?
- (A) 5.4 sqm. (B) 7.8 sqm.  
(C) 9.0 sqm. (D) 12.2 sqm.
51. Which of the following is *not* a road type as per the Nagpur Plan ?
- (A) NH (B) TR  
(C) VR (D) SH
52. Which organization has evolved the GRIHA rating system for Green Buildings ?
- (A) BEE (B) DA  
(C) HUDCO (D) TERI
53. Which of the following is *not* a factor impacting the alignment of roads ?
- (A) Traffic (B) Obligatory Points  
(C) Complementary Angles (D) Sight Distance
54. Which colour code is used to denote a Village Road surfaced with gravel ?
- (A) Red (B) Grey  
(C) Green (D) Violet
55. What is the Ruling Design Speed prescribed for Other District Roads on a rolling terrain ?
- (A) 40 km/h (B) 50 km/h  
(C) 20 km/h (D) 25 km/h

56. Which of the following is *not* a type of road intersection ?
- (A) T (B) Aggregated  
(C) Staggered (D) Y
57. Which of the following is *not* a traffic control device ?
- (A) Road Signs (B) Signals  
(C) Road Markings (D) Carriageways
58. Which of the following is a traffic calming measure ?
- (A) Chicane (B) Median  
(C) Woonerf (D) Cohort
59. What is a transportation service that supplements a larger public transit system by offering individualized services without a fixed route or a time table called ?
- (A) Mass transit (B) Peri transit  
(C) Para transit (D) Subtransit
60. Which organization was established to address issues of effective transportation management in the National Capital Territory of Delhi ?
- (A) UTTIPEC (B) ARBRT  
(C) MRTS (D) DMRC
61. Which of the following MRTS is *not* available in Indian metropolises ?
- (A) BRT (B) Metro Rail  
(C) Hyperloop (D) Mono Rail

62. When was the NHB RESIDEX launched ?
- (A) 2007 (B) 2010  
(C) 2015 (D) 2020
63. Which state in India has launched the Dr. B.R. Ambedkar Awas Navinikaran Yojna ?
- (A) Telengana (B) Sikkim  
(C) Himachal Pradesh (D) Haryana
64. When was the 'Streets for People Challenge' initiative launched ?
- (A) 2010 (B) 2014  
(C) 2017 (D) 2020
65. Which of the following are *not* eligible for the 'India Cycles4Change Challenge' ?
- (A) Cities with population more than 5 lakhs  
(B) Capital Cities  
(C) Cities with population less than 5 lakhs  
(D) Smart Cities
66. What is the minimum width of the site approach road prescribed for multistoried group housing schemes on one plot as per Model Building Byelaws, 2016 ?
- (A) 12 m (B) 18 m  
(C) 20 m (D) 22 m

67. What is the minimum plot size prescribed in Model Building Byelaws, 2016 for new group housing schemes with provision of supplying hot water for the mandatory installation of solar assisted water heating system ?
- (A) 2500 sqm. (B) 3500 sqm.  
(C) 4000 sqm. (D) 4800 sqm.
68. What is minimum prescribed density in Model Building Byelaws, 2016 for Resettlement and Slum In-situ Upgradation ?
- (A) 250 tenements per hectare  
(B) 275 tenements per hectare  
(C) 325 tenements per hectare  
(D) 350 tenements per hectare
69. Which of the following is part of the Slum Free India, 2022 initiative ?
- (A) BSUP (B) SFCPoA  
(C) IHSDP (D) VAMBAY
70. When was the National Slum Redevelopment Programme launched ?
- (A) 1980 (B) 1986  
(C) 1991 (D) 1996
71. Which of the following is *not* a part of the UN prescribed operational definition of a slum ?
- (A) Lack of durable housing  
(B) Lack of access to electricity  
(C) Lack of access to improved water  
(D) Lack of sufficient living area

72. Which of the following States has the largest slum population as per Census 2011 ?
- (A) Maharashtra (B) Uttar Pradesh  
(C) West Bengal (D) Tamil Nadu
73. What is the percentage of census permanent houses in slums as reported by Census 2011 ?
- (A) 57.9% (B) 65.3%  
(C) 78.9% (D) 84.6%
74. Which of the following States has *not* reported a slum as per Census 2011 ?
- (A) Manipur (B) Nagaland  
(C) Himachal Pradesh (D) Sikkim
75. As per the NSS, 2012 how many slums were built on land owned by urban local bodies ?
- (A) 22% (B) 37%  
(C) 43% (D) 49%
76. Which of the following initiatives has been launched by Government of India in 2020 to develop good quality, resilient, reliable and sustainable infrastructure in the country ?
- (A) GEM (B) NIP  
(C) SARAL (D) SSA

77. What is the number of Statutory Towns in India as per Census 2011 ?
- (A) 4041 (B) 5990  
(C) 6845 (D) 7933
78. When was the Bharat Nirman Programme launched ?
- (A) 1995 (B) 2005  
(C) 2015 (D) 2020
79. Which among the following comprises the funding source for PMGSY-I ?
- (A) Education Cess (B) Goods and Services Tax  
(C) Clean Energy Cess (D) High Speed Diesel Cess
80. When was PMGSY-III launched ?
- (A) 2019 (B) 2016  
(C) 2001 (D) 1995
81. Which of the following is *not* a Pricing method in Economics ?
- (A) Cost Based (B) Perception Based  
(C) Competition Based (D) Value Based
82. Which of the following is *not* a type of Elasticity of Demand in Economics ?
- (A) PED (B) CED  
(C) XED (D) YED
83. Which country had the highest GDP in the year 2021 ?
- (A) Japan (B) China  
(C) Germany (D) USA



84. Which of the following was a criteria of Deprivation as identified by the Socio-Economic and Caste Census, 2011 ?
- (A) Households with no adult male aged 15-59  
(B) Households with no adult female aged 15-59  
(C) Households with no adult male aged 25-64  
(D) Households with no adult female aged 25-64
85. Which of the following is *not* an international index to measure poverty ?
- (A) MPI (B) GCP  
(C) WPC (D) WBPL
86. Who is the author of *The Great Indian Middle Class* ?
- (A) Amartya Sen (B) Amitav Ghosh  
(C) Pavan K. Verma (D) Upamanyu Chatterjee
87. Which of the following is *not* a dimension of the Human Development Index ?
- (A) Knowledge  
(B) Long and Healthy Life  
(C) Ease of doing Business  
(D) Decent Standard of Living
88. Which country has the top rank as per the World Happiness Report, 2019-2021 ?
- (A) Iceland (B) Denmark  
(C) Finland (D) Japan

89. Which of the following does *not* form a part of Doxiadis' classification as applied to rural morphology ?
- (A) Central Part (B) Enveloping Part  
(C) Special Part (D) Circulatory Part
90. Which of the following is *not* a part of Turner's trajectory of the urban poor ?
- (A) Initiator (B) Bridge Header  
(C) Consolidator (D) Status Seeker
91. What is the natural residence of every organism called ?
- (A) Shelter (B) Habitat  
(C) Domus (D) Ekistics
92. Who coined the term 'Ecosystem' ?
- (A) Isaac Newton (B) Benjamin Franklin  
(C) Charles Darwin (D) Arthur G. Tansley
93. Which of the following towns is *not* included within the ambit of the Taj Trapezium Zone ?
- (A) Firozabad (B) Bharatpur  
(C) Mathura (D) Palwal
94. Which of the following is *not* categorized as a 'Red Category' industry based on its emission/discharge ?
- (A) Sugar (B) Fertilizer  
(C) Wheat (D) Cement

95. Which of the following is *not* among the five R's of waste management ?
- (A) Reduce (B) Refuge  
(C) Refuse (D) Reuse
96. Which of the following is *not* a form of renewable energy ?
- (A) Natural Gas (B) Solar  
(C) Wind (D) Geo-thermal
97. Which of the following is a tool developed by the CPCB to disseminate information on air quality in qualitative terms ?
- (A) ADB (B) DDT  
(C) AQI (D) STD
98. What is the water quality designation of a drinking water source without conventional treatment but after disinfection ?
- (A) Class A (B) Class B  
(C) Class D (D) Below-E
99. Which of the following is *not* a soil conservation measure ?
- (A) Stubble Burning (B) Crop Rotation  
(C) Contour Ploughing (D) Afforestation
100. Which of the following States does *not* qualify as a windy state in India in the context of harnessing wind as a renewable energy resource ?
- (A) Gujarat (B) Punjab  
(C) Rajasthan (D) Tamil Nadu

## GENERAL APTITUDE

**101. Direction :** Study the following information carefully and answer the question given below :

It has been given that—

A is + from point B states B is to the NORTH of A.

A is = from point B states B is to the SOUTH of A.

A is || from point B states A is to the East of B.

A is \* from point B states A is to the WEST of B.

Now, S is = 20 m from point P. Point Q is = 15 m from point R. Point U is +15 m from Point V. Point T is ||20 m from point V. Point U is ||16 m from point Q. Point R is ||30 m From point P.

What is the shortest distance between point S and Q ?

(A)  $5\sqrt{37}$

(B)  $7\sqrt{37}$

(C)  $4\sqrt{65}$

(D)  $2\sqrt{37}$

**102. Complete the series :**

12 6 15 67.5 ? 3729.375

(A) 589.75

(B) 583.75

(C) 498.75

(D) 438.75

**103. Direction :** Study the following information carefully and answer the question given below :

'B + A' means 'A is son of B'

'B × A' means 'A is father of B'

'A % B' means 'A is son-in-law of B'

'B – A' means 'A is wife of B'

'A \* B' means 'B is brother of A'

'A # B' means 'B is the only sister of A'

Which two symbols will come in place of question marks in the following equation to show that E is wife of X ?

X % P – C ? D ? E

(A) × and +

(B) + and –

(C) + and #

(D) Either (A) or (C)

**104. Direction :** Read the information carefully and answer the question given below :

In a certain code language,

'speak nicely to all' is coded as "ka cu ma he"

'all are like us' is coded as " si fo he to"

'teach us lesson nicely' is coded as " po ma fo re"

'lesson like all humans' is coded as "he re gu si"

What is the code for 'are' in the given language ?

(A) si

(B) to

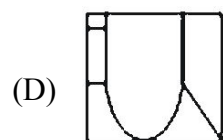
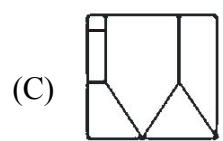
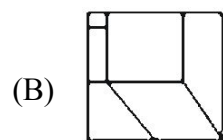
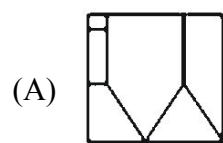
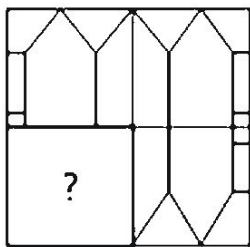
(C) fo

(D) Either (A) or (B)

105. Hermit : Solitude :: Intruder : ?

- (A) Thief
- (B) Privacy
- (C) Burglar
- (D) Alm

106. **Direction** : Which answer figure will complete the pattern of the given incomplete figure ?



**107. Direction :** Read the following information carefully and answer the question given below :

Eight friends P, Q, R, S, T, U, V and W are standing in a straight line facing north, but not necessarily in the same order.

R and W are immediate neighbours of S. V is immediate neighbour of U and W. T and Q are immediate neighbours of P. Neither T nor R is at the extreme ends of the line. U is on the right of T.

Who among the following sits second to the right of P ?

- |       |       |
|-------|-------|
| (A) T | (B) R |
| (C) W | (D) V |

**108.** In the following question, there is a statement followed by two arguments I and II. Read carefully and choose the right option from the given possible answers :

Given answers :

- (a) Only argument I is strong
- (b) Only argument II is strong
- (c) Either I or II is strong
- (d) Neither I nor II is strong

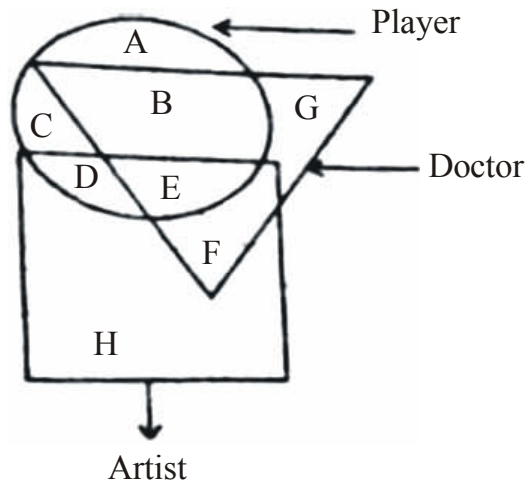
**Statement**—Should judiciary be independent of the executive ?

**Arguments**—

- I. Yes, this would help curb the unlawful activities of the executive.
- II. No, the executive would not be able to take hold measures.

- |         |          |
|---------|----------|
| (A) (a) | (B) (b)  |
| (C) (c) | (D) (d ) |

109. In the following Venn diagram identify the region which denotes players who are also doctors but not artist :



(A) B

(B) E

(C) A

(D) B + E

110. Arrange the words given below in a meaningful sequence :

1. Cut

2. Put on

3. Mark

4. Measure

5. Tailor

(A) 1, 3, 2, 4, 5

(B) 4, 3, 1, 5, 2

(C) 3, 1, 4, 5, 2

(D) 5, 4, 3, 2, 1



## GENERAL ENGLISH

**111. Direction :** Which of the phrases given below should replace the phrase given in bold in the following sentence to make the sentence grammatically correct ?

Asset allocation involves **division of an investment portfolio** into different asset categories, such as stock, bonds and cash.

- (A) dividing an investment portfolio among
- (B) dividing an investment portfolio of
- (C) distribution of an investment portfolio for
- (D) collection of an investment portfolio through

**112.** The five sentences labelled (1, 2, 3, 4, 5) given in this question, when properly sequenced, form a coherent paragraph. Each sentence is labelled with a number. Decide on the proper order for the sentences and key in this sequence of five numbers as your answer.

1. Before plants can take life from atmosphere, nitrogen must undergo transformations similar to ones that food undergoes in our digestive machinery.
2. In its aerial form nitrogen is insoluble, unusable and is in need of transformation.
3. Lightning starts the series of chemical reactions that need to happen to nitrogen, ultimately helping it nourish our earth.
4. Nitrogen — an essential food for plants — is an abundant resource, with about 22 million tons of it floating over each square mile of earth.
5. One of the most dramatic examples in nature of ill wind that blows goodness is lightning.

(A) 53412

(B) 53421

(C) 45321

(D) 45312

**113.** Fill in the blank :

These days everybody complains.....high prices of commodities.

- (A) of (B) over
- (C) through (D) with

**114. Direction :** Select the option which contains the part of the sentence which has an error (spelling, grammatical or contextual) :

At the age of twenty, (A)/he became Bollywood's (B)/one of the most (C)/sought actors. (D)

- (A) At the age of twenty
- (B) he became Bollywood's
- (C) one of the most
- (D) sought actors.

**115. Direction :** The following question has two blanks, each blank indicating that something has been omitted. Choose the set of words for each blank that best fits in the context of the sentence :

The government must consider setting up a.....agency under the ministry of labour to deal with developing standards, monitoring establishments, and.....of standards across the economy.

- (A) dedicated, enforcement
- (B) recurrent, solemnity
- (C) committed, seriousness
- (D) exclusive, mantle

116. Find the correctly spelt word :

- |                 |                 |
|-----------------|-----------------|
| (A) Vacillation | (B) Vacillation |
| (C) Vasillation | (D) Vacilation  |

117. In this question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/phrase :

Tripti gave her report quoting **chapter and verse**.

- (A) taught like a teacher
- (B) referred to religious books
- (C) provided minute details
- (D) spoke like a preacher

118. Out of the four alternatives choose the one which can be substituted for the given words/sentence in the question :

Seat on elephant's back

- |            |            |
|------------|------------|
| (A) Howdah | (B) Dote   |
| (C) Endue  | (D) Hurtle |

119. Find the antonym of COLOSSAL :

- |          |              |
|----------|--------------|
| (A) Easy | (B) Graceful |
| (C) Tiny | (D) Roof     |

120. Find the synonym of PALL :

- |           |            |
|-----------|------------|
| (A) Light | (B) Sate   |
| (C) Carry | (D) Horror |