

INSTRUCTIONS

1. Answer all questions.
2. All questions carry equal marks.
3. Only one answer is to be given for each question.
4. If more than one answers are marked, it would be treated as wrong answer.
5. Each question has four alternative responses marked serially as 1, 2, 3, 4. You have to darken only one circle or bubble indicating the correct answer on the Answer Sheet using BLUE BALL POINT PEN.
6. 1/3 part of the mark(s) of each question will be deducted for each wrong answer. (A wrong answer means an incorrect answer or more than one answers for any question. Leaving all the relevant circles or bubbles of any question blank will not be considered as wrong answer.)
7. The candidate should ensure that Series Code of the Question Paper Booklet and Answer Sheet must be same after opening the envelopes. In case they are different, a candidate must obtain another question paper of the same series. Candidate himself shall be responsible for ensuring this.
8. Mobile Phone or any other electronic gadget in the examination hall is strictly prohibited. A candidate found with any of such objectionable material with him/her will be strictly dealt as per rules.
9. Please correctly fill your Roll Number in O.M.R. Sheet. 5 marks will be deducted for filling wrong or incomplete Roll Number.
10. If there is any sort of ambiguity/mistake either of printing or factual nature then out of Hindi and English Version of the question, the English Version will be treated as standard.

**Warning :** If a candidate is found copying or if any unauthorised material is found in his/her possession, F.I.R. would be lodged against him/her in the Police Station and he/she would liable to be prosecuted under Section 3 of the R.P.E. (Prevention of Unfairmeans) Act, 1992. Commission may also debar him/her permanently from all future examinations of the Commission.

निर्देश

1. सभी प्रश्नों के उत्तर दीजिए।
2. सभी प्रश्नों के अंक समान हैं।
3. प्रत्येक प्रश्न का केवल एक ही उत्तर दीजिए।
4. एक से अधिक उत्तर देने की दशा में प्रश्न के उत्तर को गलत माना जाएगा।
5. प्रत्येक प्रश्न के चार वैकल्पिक उत्तर दिये गये हैं, जिन्हें क्रमशः 1, 2, 3, 4 अंकित किया गया है। अभ्यर्थी को सही उत्तर निर्दिष्ट करते हुए उनमें से केवल एक गोले अथवा बबल को उत्तर-पत्रक पर नीले बॉल प्वाइंट पेन से गहरा करना है।
6. प्रत्येक गलत उत्तर के लिए प्रश्न अंक का 1/3 भाग काटा जायेगा। गलत उत्तर से तात्पर्य अशुद्ध उत्तर अथवा किसी भी प्रश्न के एक से अधिक उत्तर से है। किसी भी प्रश्न से संबंधित गोले या बबल को खाली छोड़ना गलत उत्तर नहीं माना जायेगा।
7. प्रश्न-पत्र पुस्तिका एवं उत्तर पत्रक के लिफाफे की सील खोलने पर परीक्षार्थी यह सुनिश्चित कर लें कि उसके प्रश्न-पत्र पुस्तिका पर वही सीरीज अंकित है जो उत्तर पत्रक पर अंकित है। इसमें कोई भिन्नता हो तो वीक्षक से प्रश्न-पत्र की ही सीरीज वाला दूसरा प्रश्न-पत्र का लिफाफा प्राप्त कर लें। ऐसा न करने पर जिम्मेदारी अभ्यर्थी की होगी।
8. मोबाईल फोन अथवा इलेक्ट्रॉनिक यंत्र का परीक्षा हॉल में प्रयोग पूर्णतया वर्जित है। यदि किसी अभ्यर्थी के पास ऐसी कोई वर्जित सामग्री मिलती है तो उसके विरुद्ध आयोग द्वारा नियमानुसार कार्यवाही की जायेगी।
9. कृपया अपना रोल नम्बर ओ.एम.आर. पत्रक पर सावधानी पूर्वक सही भरें। गलत अथवा अपूर्ण रोल नम्बर भरने पर 5 अंक कुल प्राप्तांको में से अनिवार्य रूप से काटे जाएंगे।
10. यदि किसी प्रश्न में किसी प्रकार की कोई मुद्रण या तथ्यात्मक प्रकार की त्रुटि हो तो प्रश्न के हिन्दी तथा अंग्रेजी रूपान्तरों में से अंग्रेजी रूपान्तर मान्य होगा।

**चेतावनी :** अगर कोई अभ्यर्थी नकल करते पकड़ा जाता है या उसके पास से कोई अनधिकृत सामग्री पाई जाती है, उस अभ्यर्थी के विरुद्ध पुलिस में प्राथमिकी दर्ज कराई जायेगी और आर. पी. ई. (अनुचित साधनों की रोकथाम) अधिनियम, 1992 के नियम 3 के तहत कार्यवाही की जायेगी। साथ ही आयोग ऐसे अभ्यर्थी को भविष्य में होने वाली आयोग की समस्त परीक्षाओं से विवर्जित कर सकता है।

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- 1 Major roads in Indus Valley Cities were laid in
  - (1) Concentric Pattern
  - (2) Grid Iron Pattern
  - (3) Zig-Zag Pattern
  - (4) None of the above
  
- 2 Three "Magnenls" in Ebenezer Howard's garden city were described as
  - (1) Population, Environment and Traffic
  - (2) Economy, Ecology and Equity
  - (3) Town, country and town-country
  - (4) All of the above
  
- 93 3 Plan of the Jaipur city as built by king Sawai Jai Singh was based on
  - 93 (1) Dandaka Pattern
  - 93 (2) Padmaka Pattern
  - 93 (3) Prastara Pattern
  - 93 (4) Swastika Pattern
  
- 4 Radburn (New Jersey) designed in 1928 by stien and wright was built on central idea of -
  - (1) Segregation of automobile and pedestrian traffic
  - (2) Liner greens
  - (3) Urban "Assembly line" housing
  - (4) None of the above
  
- 5 Planning of New Delhi is based on which of the following
  - (1) Renaissance principles
  - (2) Mandala vastu-purusha
  - (3) Baroque principles
  - (4) Garden city principles

- 6 A Greek City had major hub of Urban activities as
- (1) Stoa
  - (2) Agora
  - (3) Forum
  - (4) Stadia
- 7 JNNURM stands for
- (1) Jaiprakash Narayan National Urban Regulatory Mark
  - (2) Jawaharlal Nehru National Urban Renewal Mission
  - (3) Janhit Nav Nirman Urja Rajya Mashal
  - (4) None of the above
- 8 IDSMT focused mainly on :
- (1) Development of parks and play grounds in villages 93
  - (2) Development of Metro Transit System 93
  - (3) Development of Urban Infrastructure in small and medium towns 93
  - (4) Development of Urban infrastructure in Urban periphery of metropolitan area 93
- 9 TDR stands for :
- (1) Total Development of Rural area
  - (2) Transportation Development Regulations
  - (3) Transfer of Development Rights
  - (4) None of the above
- 10 Who amongst the following are/is the author of the book "Principles and practices of town and country planning" ?
- (1) H. M. Sherrad
  - (2) Lewis keeble
  - (3) A swaminathan
  - (4) M.P. fogarty

11 Who amongst the following is the author of the book "Design of cities" ?

- (1) E.N. Bacon
- (2) Lewis Mumford
- (3) Kevin Lynch
- (4) Barry Needham

12 Who amongst the following is the author of book "Housing without houses"?

- (1) A.H. Ansari
- (2) Tihamir Salji
- (3) Nabeel Hamidi
- (4) Roger Sherwood

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13 Who amongst the following is not a co-author of the book "Urban pattern city planning and design" ?

- (1) Simon Eisner
- (2) Lewis Keeble
- (3) Arthur Gallion
- (4) Stanely Eisner

14 As per the census of India. Which one of the following population criteria is followed for defining a slum

- (1) At least 500 population
- (2) At least 200 population
- (3) At least 300 population
- (4) At least 100 population



15 National slum policy of India was formulated in which of the following years

- (1) 1998
- (2) 2000
- (3) 1992
- (4) 2001

16 Which of the following statements about slum is true ?

- (a) Population rate of slums has a bearing on city size
  - (b) Slums are unavoidable
  - (c) Slums have symbiotic relationship with city
- (1) (a) and (b)
  - (2) (b) and (c)
  - (3) (a) and (c)
  - (4) None of the above

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17 Which one of the following states did not implement the "Slum Networking program" ?

- (1) Gujarat
- (2) Madhya Pradesh
- (3) Rajasthan
- (4) Maharashtra

18 Slum up gradation program was launched in which five year plan ?

- (1) Third five year plan
- (2) Fourth five year plan
- (3) Fifth five year plan
- (4) Sixth five year plan

- 19 Central Slum Area (clearance and improvement) Act. was formulated in which of the following years ?
- (1) 1959
  - (2) 1964
  - (3) 1956
  - (4) 1962
- 20 As-per slum development policy of 2010 of Rajasthan under public private partnership model the maximum FAR that can be allowed on the plot shall be :
- (1) 4.5
  - (2) 4.0
  - (3) 1.33
  - (4) Double of 2.5
- 21 As per slum development policy of Rajasthan the eligibility criteria for developer who wishes to develop area between 25-50 acres should have a minimum net worth of.
- (1) 20 crores
  - (2) 10 crores
  - (3) 50 crores
  - (4) 100 crores
- 22 The IHSDP scheme of Govt. of India has been in operation for
- (1) Govt. Housing
  - (2) Housing finance
  - (3) Provision of drainage in urban area
  - (4) Slum improvement

23 In Township policy 2010 of Rajasthan, "the minimum area specified for establishing a township" (in hectares) is

- (1) 20 ha.
- (2) 10 ha.
- (3) 30 ha.
- (4) 40 ha.

24 If a special township scheme for industrial township is proposed, the maximum saleable area permitted will be :

- (1) 55%
- (2) 60%
- (3) 65%
- (4) 75%

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25 In special township schemes under Township policy 2010, what is the maximum % area on which residential activity and supporting social infrastructure is allowed

- (1) 25%
- (2) 30%
- (3) 20%
- (4) 15%

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26 In special township schemes under township policy 2011 what is the minimum road width, if road length is more than 100m. in a proposed township.

- (1) 12m.
- (2) 18m.
- (3) 30m.
- (4) 9m.

27 The target cities, of JNNURM of Govt. of India for the Rajasthan state has been

- (1) Towns below 50,000 population
- (2) Towns having a development Authority only
- (3) Special towns
- (4) None of the above is complete set of criterion

28 What is the minimum percentage of land to be left towards public utilities and facilities in a township scheme of more than 10 hectares as per township policy 2010.

- (1) 5
- (2) 7.5
- (3) 10
- (4) 15

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29 As per township policy 2010, maximum charges for external development, for a fully serviced plot of land, per sq.m. is

- (1) Rs. 500.00
- (2) Rs. 300.00
- (3) Rs. 100.00
- (4) Rs. 50.00

30 As per the guidelines issued by Ministry of surface transport, what is the minimum distance between a road junction and petrol pump for towns with more than 3 lac. population.

- (1) 300 m.
- (2) 500 m.
- (3) 200 m.
- (4) 100 m.



31 As per the guide lines issued by the ministry of surface transport, what is the minimum distance allowed between a toll post and petrol pump, for town having 3 lac population

- (1) 200 m.
- (2) 300 m.
- (3) 400 m.
- (4) 1000 m.

32 As per the guidelines given by "Affordable Housing Policy" of Rajasthan government maximum FAR, that can be given as TDR to a developer is :

- (1) 2.5
- (2) 1.0
- (3) 1.5
- (4) 2.25

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33 As per "Affordable Housing Policy" of Rajasthan government what is the minimum percentage of land, that must be constructed for EWS and LIG to qualify under this scheme ?

- (1) 45%
- (2) 40%
- (3) 35%
- (4) 50%

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34 As per the building bylaws 2010, for Jaipur if the height of building with stairs is 38 meters what is the minimum side and rear set backs required ?

- (1) 11 m.
- (2) 9 m.
- (3) 12 m.
- (4) 13.5 m.

35 As per model building bylaws 2010 for jaipur waste water recycling is mandatory for plots having an area of \_\_\_\_\_ sqm. or more.

- (1) 2000
- (2) 3000
- (3) 4000
- (4) 5000

36 As per the building bylaws of Jaipur Development Authority, who is the competent officer to grant approval of building plans in S-1 region

- (1) Secretary JDA
- (2) Building plan committee of JDA
- (3) Officer authorized by Gram Panchayat
- (4) Chief Town Planner of Govt. of Rajasthan

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37 As per model building bylaws 2010, the parking provision for cinemas is 1ECU parking for every :

- (1) 50 sq.m. of permissible FAR
- (2) 10 seats
- (3) 50 sq.m. of built up area
- (4) 20 seats

38 If FSI of a given parcel of land is 200, what is it's corresponding FAR ?

- (1) 200
- (2) 2
- (3) 0.2
- (4) 2000

- 39 Limit on the ground coverage on a plot of land is to prevent :
- (1) Over crowding and lack of light and ventilation
  - (2) Non compatible uses
  - (3) Solar heat farming
  - (4) Shortage of parking
- 40 As per National Building code a high rise building is the one having a height of more than
- (1) 18 m.
  - (2) 15 m.
  - (3) 12 m.
  - (4) 21 m.
- 41 Clearance from MOEF is mandatory for a large building project if the built up area is more than
- (1) 10,000 sq.m.
  - (2) 15,000 sq.m.
  - (3) 20,000 sq.m.
  - (4) 30,000 sq.m.
- 42 As per UDPI guidelines issued by Govt. of India, minimum area in hectares, of senior secondary school with capacities of 1000 students should be :
- (1) 2.0
  - (2) 3.6
  - (3) 1.6
  - (4) 5.0

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43 As per UDPFI guidelines of govt. of India, what should be the minimum area in hectares. for a 500 bedded general hospital, for a town with 2.5 lac population ?

- (1) 10.0
- (2) 5.0
- (3) 6.0
- (4) 7.5

44 As per UDPFI guidelines of govt. of India. What is the recommended design speed in kilometers for arterial road in urban areas ?

- (1) 40
- (2) 30
- (3) 60
- (4) 80

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45 As per UDPFI guidelines of govt. of India the proposed land distribution of Residential, Commercial, Industrial and Recreational landure, respectively for medium cities in plane areas is

- (1) 35-40%, 4-5%, 10-12% and 18-20%
- (2) 45-50%, 6-8%, 10-12% and 8-10%
- (3) 40-50%, 8-10%, 3-4% and 22-25%
- (4) 40-45%, 3-4%, 8-10% and 18-20%

46 As per UDPFI guide lines of Govt. of India the developed area average density for large cities is

- (1) 100-125 pph
- (2) 125-175 pph
- (3) 75-120 pph
- (4) 175-210 pph

47 As UDPFI guidelines the suggested standard for open spaces in large and metro cities is

- (1) 5-8 sqm./person
- (2) 15-18 sqm/person
- (3) 8-10 sqm/person
- (4) 12-14 sqm/person

48 As per UDPFI guidelines, a 11 KV electric substation is recommended for a population of

- (1) 5000
- (2) 2000
- (3) 15,000
- (4) 10,000

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49 As per UDPFI guide lines suggested norms for water supply for public purposes in large and metro cities is

- (1) 30-35 lpcd
- (2) 25-30 lpcd
- (3) 20-25 lpcd
- (4) 40-45 lpcd

50 As per UDPFI guidelines suggested norms for provision of community centre is for an urban population of :

- (1) 25,000 - 1,00,000
- (2) 1,25,000 - 2,00,000
- (3) 1,00,000 - 1,25,000
- (4) 2,00,000 - 5,00,000

51 As per UDPI guide lines, suggested norms for at least one school for, physically challenged students is; on an urban population of

- (1) 15,000
- (2) 25,000
- (3) 35,000
- (4) 45,000

52 According to census of India, which one of the following minimum criteria is followed to define an urban area

- (1) 1,00,000 population and density 300 persons/sq km.
- (2) 5000 population and density 500 persons/sq km.
- (3) 5000 population and density 400 persons/sq km.
- (4) 15,000 population and density 500 persons/sq km.

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53 The class IV cities of census (population wise) classification refers to population range between

- (1) 20001-50,000
- (2) 10001-20,000
- (3) 50001-1,00,000
- (4) 5001-10,000

54 Urbanization is an index of transformation of

- (1) Economy
- (2) Political setup
- (3) Population structure
- (4) All of the above

55 As per 2001 census, the share of natural population growth in over all urban growth of population in the country is :

- (1) 60
- (2) 52
- (3) 58
- (4) 56

56 The three most significant factors responsible for urban growth are :

- (a) Economic and industrial policies
- (b) Changes in political setup
- (c) Changes in legal/administrative status
- (d) Improvement in quality of life

- (1) (a),(b),(c)
- (2) (b),(c),(d)
- (3) (a),(c),(d)
- (4) (a),(b),(d)

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57 Which one of the following is not a survey technique ?

- (1) Public participation
- (2) Rapid appraisal
- (3) Interview
- (4) Delphic

58 Which one of the following is not a sampling method ?

- (1) Quota
- (2) Stratified
- (3) Interval
- (4) Cluster

59 Match the following land use with their respective colour codes given in UDPMFI guide lines

*List I*

*List II*

- |                              |             |
|------------------------------|-------------|
| (a) Commercial               | (i) Yellow  |
| (b) Manufacturing/industrial | (ii) Red    |
| (c) Public-Semi public       | (iii) Blue  |
| (d) Residential              | (iv) Purple |

*Code :*

- |           |       |       |      |
|-----------|-------|-------|------|
| (a)       | (b)   | (c)   | (d)  |
| (1) (iv)  | (iii) | (ii)  | (i)  |
| (2) (iii) | (iv)  | (ii)  | (i)  |
| (3) (i)   | (ii)  | (iii) | (iv) |
| (4) (ii)  | (iv)  | (iii) | (i)  |

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60 Match the following acts with the year of commentment

*List I*

*List II*

- |   |            |
|---|------------|
| (a) Model town and country planning act       | (i) 1915   |
| (b) Jaipur Development Authority act.         | (ii) 1976  |
| (c) Bombay Town Planning act.                 | (iii) 1962 |
| (d) Gujarat Town Planning and Development act | (iv) 1982  |

*Code :*

- |           |       |      |       |
|-----------|-------|------|-------|
| (a)       | (b)   | (c)  | (d)   |
| (1) (iii) | (iv)  | (i)  | (ii)  |
| (2) (iv)  | (iii) | (ii) | (i)   |
| (3) (i)   | (iv)  | (ii) | (iii) |
| (4) (iv)  | (ii)  | (i)  | (iii) |



61 Which one amongst the following is not a part of an urban 'Development control' ?

- (1) Land use
- (2) Land subdivision
- (3) National Building code
- (4) Building by laws

62 Which one of the following is not a zoning technique/method ?

- (1) Height
- (2) Character
- (3) Accessibilities
- (4) Density

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63 Which one of the following is a permissible use/activity in residential land use ?

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- (1) Water treatment plant
- (2) Cinema Hall
- (3) Auditorium
- (4) Botanical Garden

64 Museum in commercial land use zone is

- (1) Prohibited use
- (2) Permitted use
- (3) Permissible use
- (4) Compoundable use

65 Which one amongst the following is a prohibited use/activity in Industrial landuse ?

- (1) Hospital
- (2) Gas Godown
- (3) LPG Refilling plant
- (4) All of the above

66 Which one out of the following is a permissible use/activity in public and semi public landuse ?

- (1) Warehouses
- (2) Farm houses
- (3) Hospitals
- (4) Solid waste dumping sites

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67 Schools require \_\_\_\_\_ ECUS/100 sq.m. of built up area.

- (1) 0.5 - 1.5
- (2) 1.5 - 2.5
- (3) 0.5 - 1.0
- (4) 0.25 - 0.75

68 Which factor amongst the following does not affect the FAR ?

- (1) Plot Size
- (2) Road Width
- (3) Landuse
- (4) Market Value of the property

69 Which amongst the following does not express the intensity of development ?

- (1) Migration rate
- (2) Occupancy rate
- (3) Gross residential density
- (4) Accomodation density

70 A town is classified as "monofunctional" when

- (1)  $\geq 40\%$  workers are in single occupation
- (2)  $\geq 50\%$  workers are in two occupation
- (3)  $\geq 60\%$  workers are in single occupation
- (4)  $\geq 70\%$  workers are in single occupation

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71 The most suitable method of population forecast for a city that is saturating will be

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- (1) Logistic Curve
- (2) Geometric Growth
- (3) Arithmetic Growth
- (4) Component Method

72 Which one of the following population forecasting method gives maximum population ?

- (1) Arithmetic increase
- (2) Geometric increase
- (3) Incremental increase
- (4) Graphical method

73 Identify the correct pair of terms used to indicate a sewage disposal and treatment system/process.

- (1) Biological and physical electrical
- (2) Onsite and offsite servicing
- (3) Branched and looped
- (4) Arobic and Anarobic

74 Water supply masterplan caters for

- (1) Augmentation of present water supply
- (2) Construction of water supply scheme for design period
- (3) Planning and designing water supply and O & M works for the design period
- (4) O & M works and supervision

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75 Water supply master plan caters to the which of the following target

- (1) Short term target
- (2) Long term target
- (3) Medium term target
- (4) All of the above

76 Who amongst the following was appointed as first Town planning advisor to then Government of India ?

- (1) H. V. Lancaster
- (2) Petrik Gedder
- (3) Le Corburier
- (4) Swindon Jacob

- 77 Otto koiningsberger was associated with planning of which city
- (1) Bokaro steel city
  - (2) Gandhi Nagar
  - (3) Bhubaneshwar
  - (4) Jamshedpur
- 78 Which of the following constitutional amendment Act. (CAA) entrusted urban planning function to local bodies ?
- (1) 72 CAA
  - (2) 73 CAA
  - (3) 74 CAA
  - (4) 75 CAA
- 79 The structure plan is prepared for a period of :
- (1) One year
  - (2) Five years
  - (3) 10-15 years
  - (4) 20-25 years
- 80 Which of the following is not in the scope of master plan ?
- (1) To allocate land use
  - (2) To suggest road network
  - (3) To provide implementation guidelines and finance
  - (4) To regulate landuse

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81 The function of town planning department includes

- (1) City sanitation plan
- (2) Water supply master plan
- (3) Plans of schemes
- (4) All of the above

82 The urban local body is an approving authority for

- (1) Perspective plan
- (2) Structure plan
- (3) Master plan
- (4) Annual plan

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83 Arrange the following planning stages in the sequential order

- |                        |                        |
|------------------------|------------------------|
| (i) Evolving program   | (ii) Evolving plan     |
| (iii) Evolving project | (iv) Evolving policies |
- (1) (i), (ii), (iii), (iv)
  - (2) (iv), (ii), (i), (iii)
  - (3) (i), (iii), (iv), (iii)
  - (4) (iv), (iii), (ii), (i)

84 The duration of JNNURM is :

- (1) 4 years
- (2) 5 years
- (3) 6 years
- (4) 7 years

- 85 JNNURM is a
- (1) Centrally sponsored scheme
  - (2) Central sector scheme
  - (3) States funded scheme
  - (4) Internationally funded scheme
- 86 Which one out of following is not a part of JNNURM
- (1) City development plan
  - (2) City sanitation plan
  - (3) Detailed project report **93**
  - (4) None of the above **93**
- 87 The ratio of financial contribution of center, state and local urban body under JNNURM for large cities is **93**
- (1) 50%, 20%, 30% **93**
  - (2) 80%, 10%, 10%
  - (3) 35%, 15%, 50%
  - (4) 90%, 10%, 00%
- 88 The number of cities covered under JNNURM is
- (1) 63
  - (2) 65
  - (3) 61
  - (4) 62

89 Which one amongst the following financing institution extends housing finance, directly to individuals ?

- (1) NHB
- (2) HDFC
- (3) ADB
- (4) HUDCO

90 Which one out of the following is not the model of urban structure ?

- (1) Concentric zone model
- (2) Sector model
- (3) Gerin - Lowery model
- (4) Multiple Nuclei model

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91 Position of transition zone in concentric zone theory is located between

- (1) Middle and High income group
- (2) CBD and middle income group
- (3) Middle income group and commuter zone
- (4) High income group and commuter zone

92 CBD in a city is :

- (1) The geometric centre of the city
- (2) Main business area/commercial area of the city
- (3) Historic / tourism core of the city
- (4) Central park



93 The concentric zone theory is propounded by a/an

- (1) Geographer
- (2) Economist
- (3) Sociologist
- (4) Urban planner

94 The "Threshold" in central place theory relates to :

- (1) Maximum distance people are prepared to travel for a service
- (2) Minimum number of people for a service
- (3) Minimum distance people are prepared to travel for a service
- (4) Maximum number of people served by a service.

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95 The concept of Garden city was given by

- (1) Tony Garnier
- (2) Soria Y mata
- (3) Raymond Unwin
- (4) Ebenezer Howard

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96 Arrange following city concepts in chronological order

- (a) Satellite town                      (b) Linear city
- (c) Industrial city                      (d) Garden city
- (1) (a), (b), (d), (c)
- (2) (d), (b), (c), (a)
- (3) (c), (a), (d), (b)
- (4) (b), (d), (a), (c)

97 Patric Geddes Triad explains the relationship between/among

- (1) Folk, Work, Leisure
- (2) Folk, Space, Shelter
- (3) Folk, Place, Work
- (4) Folk, Form, Culture

98 The K-7 principle in "Central place theory" relates to

- (1) Administrative principle
- (2) Marketing principle
- (3) Transport principle
- (4) Sustainability principle

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99 In Neighborhood concept "Upper Schools" were placed to serve the population within a radius of :

- (1) 1 mile
- (2) 1.5 mile
- (3) 1.75 mile
- (4) 2 mile

100 The traffic carrying capacity of a road can not be improved by

- (1) Mix traffic
- (2) Dedicating lane according to traffic speed
- (3) Unidirectional flow of traffic
- (4) Minimizing the number of intersections

101 Which amongst the following has highest PCU (equivalent)

- (1) Horse Driven Cart
- (2) Auto Rickshaw
- (3) Cycle Rickshaw
- (4) Bullock Cart

102 The revenue sharing between the central government and state government is decided by :

- (1) Central finance commission
- (2) Planning commission
- (3) State finance commission
- (4) State planning boards/commission

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103 Which out of following is a land assembly technique ?

- (1) Town planning scheme
- (2) Accomodation reservation
- (3) Transfer of development rights
- (4) All of the above

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104 Which of the following is a single purpose institution

- (1) Houring Board
- (2) Development Authority
- (3) Municipality
- (4) Gram Panchayat

105 Of following statements :

- (a) A Geographical information system (GIS) file has geo-spatial data.
  - (b) A G.I.S. file can contain data on population characteristics of a place.
- (1) Both (a) and (b) are correct
  - (2) Only (a) is correct
  - (3) Only (b) is correct
  - (4) Both (a) and (b) are incorrect

106 'Vector' and 'raster' are in context of GIS.

- (1) Quantities and images
- (2) Points, lines, areas and images
- (3) Physical features and Historical facts
- (4) Geometrical figures and algebraic values

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107 Raster Data from Satellite can be used to locate :

- (1) Informal/un authorized developments
- (2) Sites of historical values
- (3) Degradation of natural wealth in eco sensitive areas
- (4) All of the above

108 Spatial inter polation is a process of using points of known values of Geo spatial factors for.

- (1) Getting exact values on identified nodes
- (2) Getting estimated values on other points of unknown values to create a raster surface.
- (3) Marking strategic locations on a map
- (4) Drawing a pattern precisely

- 109 Topologically correct vector data is digitized with the help of :
- (1) Toposheets and Grids
  - (2) Shapping distance and search radius
  - (3) Tail data and core data
  - (4) Raster images and statistical observations
- 110 Who amongst the following is responsible for maintenance of National Highways in Urban areas, and development of interstate roads ?
- (1) Concerned municipality
  - (2) Concerned UIT/Development authority
  - (3) State Public Works Department 93
  - (4) CRF (Central Road Fund) 93
- 111 Which one amongst the following cities of Rajasthan was listed as state priority city in the report of "National commission on urbanization" ? 93
- (1) Jalor
  - (2) Chittorgarh
  - (3) Churu
  - (4) Sikar
- 112 Which one out of following towns of Rajasthan is included in NCR ?
- (1) Udaipur
  - (2) Jodhpur
  - (3) Alwar
  - (4) Ajmer

113 Which out of the following taxes is levied by urban local bodies in Rajasthan as per Rajasthan Municipalities Act 2009 ?

- (1) Urban Development tax
- (2) Service tax
- (3) Value Added tax (VAT)
- (4) Income tax

114 Which out of the following is an accepted financing technique for urban development

- (1) Betterment levy
- (2) Impact fee
- (3) Developer exaction
- (4) All of the above

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115 A housing program qualifies as affordable when the amount paid by the occupant as rent or loan repayment is

- (1)  $\leq 33\%$  of occupants income
- (2) 33-35% of occupant's income
- (3)  $< 30\%$  of occupant's income
- (4) 35-40% of occupant's income

116 The suggested range of scale of maps by UDPFI guidelines for development plans of a metro city is :

- (1) 1 : 5000 - 1 : 10000
- (2) 1 : 100000 - 1 : 1,50,000
- (3) 1 : 10000 - 1 : 20000
- (4) 1 : 25000 - 1 : 50000

- 117 A new housing price index has been launched (RESIDEX) by
- (1) Planning commission
  - (2) HDFC
  - (3) National Housing Bank
  - (4) Central statistical organization
- 118 Which out of the following is not a part of identified core area to implement the proposals in National Housing Policy ?
- (1) Supply and Management of land
  - (2) Housing techniques
  - (3) Rural housing 93
  - (4) Legal and Regulatory Framework 93
- 119 National Housing policy was formulated in the year 93
- (1) 1992 93
  - (2) 1986
  - (3) 1989
  - (4) 1979
- 120 Which out of the following sets of elements form the "Images of a city" as per Lewis Mumford
- (1) Roads, Parks, Neighbour hoods, Industries, Markets
  - (2) Paths, Edges, Nodes, Districts, Land Marks
  - (3) Peoples, Traffic, Buildings, Trees, Waterbodies
  - (4) Wealth, Knowledge, Morels, Ethics, Religion

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SPACE FOR ROUGH WORK

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