### 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 marks 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 imprecise 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, 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 Unlawful Acts) Act, 1992. Commission may also debar him/her permanently from all future examinations of the Commission.

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<table>
<thead>
<tr>
<th>Question</th>
<th>Marks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. लंबी प्रश्नों के उत्तर सीधे ।</td>
<td>93</td>
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<tr>
<td>2. लंबी प्रश्नों के संक्षेप सार हैं ।</td>
<td>93</td>
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<tr>
<td>3. प्रश्नक्रम प्रश्न का वेग़ा एक उत्तर दीएं।</td>
<td>93</td>
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<td>4. एक तो सीधे उत्तर देते की बहन में प्रश्न के उत्तर को लगा मात्र जाएगा।</td>
<td>93</td>
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<td>5. प्रश्नक्रम प्रश्न के अंत में एक उत्तर दीएं, जिसके प्रश्न: 1, 2, 3, 4 अलग लिखा जाएगा।</td>
<td>93</td>
</tr>
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<td>6. प्रश्नक्रम प्रश्न के उत्तर का वेग़ा एक अयोग्य उत्तर दीएं कितनी भी प्रश्न के एक तो सीधे उत्तर नहीं है। कितनी भी प्रश्न से संबंधित गलत या गलत को नहीं छोड़ना मात्र उत्तर नहीं मात्र जाएगा।</td>
<td>93</td>
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<td>7. प्रश्न-प्रश्न पुष्टिका एवं उत्तर पत्र के निर्देशक को सीधे दिल्ली पर परीक्षार्थी यह पुष्टिका कर लें कि उसके प्रश्न-प्रश्न पुष्टिका पर यह सीधे जाएगा कि उस उत्तर पर अद्वित नहीं है। किसी निर्देशक है ले मात्र प्रश्न-प्रश्न की दी सीधे वह पत्र पुष्टिका प्रश्न कर लें। ऐसा न करने पर समर्थनीय अवधि की होगी।</td>
<td>93</td>
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<tr>
<td>8. नीचे स्पष्ट अपना प्रश्नक्रम कैसे पत्ता लगाएं। जिसे कितनी अवधि के बारे में कोई भी अवधि नहीं थी। पत्र प्रश्न-प्रश्न की दी सीधे वह पत्र पुष्टिका प्रश्न कर लें। ऐसा न करने पर समर्थनीय अवधि की होगी।</td>
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<td>9. प्रश्न-प्रश्न पत्र प्रश्न-प्रश्न पत्र पर समाधान पत्र पर करें।</td>
<td>93</td>
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<td>10. वह अध्ययन सामग्री के बारे में पत्र प्रश्न-प्रश्न की दी सीधे वह पत्र प्रश्न कर लें।</td>
<td>93</td>
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93 / ATP (PR)
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 "Magnens" in Ebnezer 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

3 Plan of the Jaipur city as built by King Sawai Jai Singh was based on
(1) Dandaka Pattern
(2) Padmaka Pattern
(3) Prastara Pattern
(4) Swastika Pattern

4 Radburn (New Jersey) designed in 1928 by Steen and Wright was built on central idea of
(1) Segregation of automobile and pedestrian traffic
(2) Linear 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

93 /ATPPR29M_A] 2 [Contd.....
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
   (2) Development of Metro Transit System
   (3) Development of Urban Infrastructure in small and medium towns
   (4) Development of Urban infrastructure in Urban periphery of metropolitan area

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

93/ATPPR29M_A] 3 [Contd.....]
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) Naceef Hamidi
(4) Roger Sherwood

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

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%

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%

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.
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

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

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

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 guidelines 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.

93

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

93

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%

93

34. As per the building bylaws 2010, for Jaipur if the height of building with stilts 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.

93 /ATPPR29M_A| 9 [Contd.....]
As per model building bylaws 2010 for Jaipur waste water recycling is mandatory for plots having an area of ______ sq.m. or more.

1. 2000
2. 3000
3. 4000
4. 5000

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

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

If FSI of a given parcel of land is 200, what is its corresponding FAR?

1. 200
2. 2
3. 0.2
4. 2000

[Contd.....]
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 UDPFI 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

93 /ATPPR29M_A]
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

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

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<tbody>
<tr>
<td>(1)</td>
<td>35-40%, 4-5%, 10-12% and 18-20%</td>
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<tr>
<td>(2)</td>
<td>45-50%, 6-8%, 10-12% and 8-10%</td>
</tr>
<tr>
<td>(3)</td>
<td>40-50%, 8-10%, 3-4% and 22-25%</td>
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<tr>
<td>(4)</td>
<td>40-45%, 3-4%, 8-10% and 18-20%</td>
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46 As per UDPFI guidelines of Govt. of India the developed area average density for large cities is

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<tbody>
<tr>
<td>(1)</td>
<td>100-125 pph</td>
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<tr>
<td>(2)</td>
<td>125-175 pph</td>
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<tr>
<td>(3)</td>
<td>75-120 pph</td>
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<tr>
<td>(4)</td>
<td>175-210 pph</td>
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93 / ATPPR29M_A1  12  Contd....
As UDPF 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

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

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

As per UDPF guidelines 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

As per UDPF 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 UDPFI guidelines, 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.

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

93 / ATPR29M_A1 [Contd.....]
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)

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

\[ \text{List I} \quad \text{List II} \]

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

\text{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)

Match the following acts with the year of commencement

\[ \text{List I} \quad \text{List II} \]

(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

\text{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)

93 / ATPPR29M_A] 16

| Contd..... |
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

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

1. Height
2. Character
3. Accessibilities
4. Density

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

1. Water treatment plant
2. Cinema Hall
3. Auditorium
4. Botanical Garden

Museum in commercial land use zone is

1. Prohibited use
2. Permitted use
3. Permissible use
4. Compoundable use

93 / ATPPR29M_A] 17 [Contd.....
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

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) Accommodation density

70 A town is classified as "monofunctional" when

(1) ≥ 40% workers are in single occupation
(2) ≥ 50% workers are in two occupation
(3) ≥ 60% workers are in single occupation
(4) ≥ 70% workers are in single occupation

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

(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

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
Otto Koiningsberger was associated with planning of which city

(1) Bokaro steel city
(2) Gandhi Nagar
(3) Bhubaneshwar
(4) Jamshedpur

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

The structure plan is prepared for a period of:

(1) One year
(2) Five years
(3) 10-15 years
(4) 20-25 years

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
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

The urban local body is an approving authority for

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

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), (i), (i)

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
(4) None of the above

87 The ratio of financial contribution of center, state and local urban body under JNNURM for large cities is
(1) 50%, 20%, 30%
(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

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 /ATPPR29M_A]
The concentric zone theory is propounded by a/an
(1) Geographer
(2) Economist
(3) Sociologist
(4) Urban planner

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.

The concept of Garden city was given by
(1) Tony Garnier
(2) Soria Y mata
(3) Raymond Unwin
(4) Ebnezer Howard

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)
Patric Geddes Triad explains the relationship between/among

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

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

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

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

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

103 Which out of following is a land assembly technique?

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

104 Which of the following is a single purpose institution

(1) Housing 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

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 interpolation 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
(4) CRF (Central Road Fund)

111 Which one amongst the following cities of Rajasthan was listed as state priority city in the report of "National commission on urbanization"?

(1) Jalore
(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

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

(1) $33\%$ of occupant's 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 : 10000 - 1 : 150,000
(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
(4) Legal and Regulatory Framework

119 National Housing policy was formulated in the year

(1) 1992
(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