Question Paper with Final (Revised) Answer Key for the Post of

Planning Officer held on 22-08-2019

Itemcode: PL1001

Q1: The federal controlled highway system in Germany is called

- **A** Autostrade
- **B** Auto Barn
- **c** Autobahn
- **D** None of the above

Correct Ans: C

Itemcode: PL1002

Q2: Sector theory as used in urban planning is given by

- **A** Walter Christaller
- **B** Clarence Perry
- c Harris & Ullman
- **D** Homer Hoyt

Correct Ans: **D** 

## Itemcode: PL1003

Q3: The process that leads to decisions on transportation policies and programs is called

- A Urban Transportation Planning
- **B** Urban Traffic Engineering
- c Industrial part
- **D** None of the above

Correct Ans: A

#### Itemcode: PL1004

Q4: LEED is known as

- A Leadership in Energy and Environmental Design
- **B** Leadership in Efficiency and Electrical Design
- c Loss in Efficiency and Electrical Design
- **D** Lighting Efficiency and Energy Database

Correct Ans: A

Itemcode: PL1005

**Q5:** Which of the following analysis can be used for Modal Split Analysis in Four Stage Transportation Modeling?

- A Probit Analysis
- **B** Logit Analysis
- c Discriminant Analysis
- **D** All of the above

Correct Ans: **D** 

Itemcode: PL1006

**Q6:** In Land-use Transport cycle, how are Land use, Transport, and Network Plan related?

- A Inter-linked
- **B** Intra-linked
- **c** Depends on network
- **p** None of the above

Correct Ans: A

Itemcode: PL1007

**Q7:** Total no. of public transport trips in a city is 7.9 million person trips and personalized trips for the same city is 3.0 million person trips. Modal share of the city is

- **A** 80:20
- **B** 70:30
- **c** | 60:40
- **D** 50:50

Correct Ans: B

Itemcode: PL1008

**Q8:** Which Book is not written by Kevin Lynch

- A The Image of the City
- **B** A Theory of Good City Form
- **c** What Time is this Place?
- **D** Cities of Tomorrow

Correct Ans: D

<u>Itemcode</u>	:	PL100	9

**Q9:** Match the group 1 of planner and group 2 to their City style

Group-1
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Group-2

- (W) Ebenezer Howard's
- Neighbourhood city
- (X) Le Corbusier's
- 2. Broadacre City
- (Y) Frank Lloyd Wright's
- 3. Garden City
- (Z) Clearence Perry's
- 4. Radiant City

- **A** W-3, X-4, Y-2, Z-1
- **B** W-1, X-4, Y-2, Z-4
- **c** W-3, X-4, Y-1, Z-2
- **D** W-3, X-1, Y-4, Z-2

Correct Ans: A

# Itemcode : PL1010

**Q10:** According to National Governor's Association, four phases of disaster management planning?

- A Planning, Evacuating and Recovery
- **B** Evacuating, Re-building and Re-branding
- c Preparation, Planning and Perception
- **p** Preparation, Response, Recover, and Mitigation

Correct Ans: **D** 

## Itemcode: PL1011

**Q11:** Section 15 of Environment Protection Act, 1986 provides that any person who fails to comply or contrivance any provision or rule or act he/she shall be punishable to:

- A With a fine of 1 lakh
- **B** With imprisonment of term 5 years
- **c** Both With a fine of 1 lakh and With imprisonment of term 5 years
- **D** None of the above

Correct Ans: C

## Itemcode: PL1012

**Q12:** The Real Estate (Regulation and Development) Act, 2016 mandates every builder to keep ....... of collection from every project in Separate Bank Account.

- **A** 40%
- в 50%

 c
 60%

 D
 70%

 Correct Ans: D

Itemcode: PL1013
Q13: Which law forms the basis for states to enact Town and Country Planning Acts:

A Town and Country Planning Act, 1947

B Urban Land Ceiling Act, 1976

C Model Town and Regional Planning and Development Law, 1962

D None of the above

Correct Ans: C

Itemcode: PL1014
Q14: Ratio of solar radiation on inclined surface and solar radiation on horizontal surface is known as

A Solar constant

B Tilt Factor

C Solar Azimuth

D Zenith Angle

Correct Ans: B

Itemcode: PL1015
Q15: Zenith angle is considered from which direction

A Clockwise from North Direction

B Clockwise from South Direction

C Anti-Clockwise from North Direction

D Anti-Clockwise from South Direction

Correct Ans: A

Itemcode : PL1016
 Q16: The seventh five year plan focused on: A Agriculture and Transport Sector
 B Rapid industrialization with special emphasis on basic and heavy industry
 C Attainment of economic stability self-sufficient in food grain production
 D Promotion of efficiency through modern technology and productivity.

Correct Ans: D Itemcode: PL1017 Q17: Abraham Maslow' theory "Hierarchy of Needs" is represented in shape of **A** Pyramid **B** Rectangle **c** Square **D** Circle Correct Ans: A Itemcode: PL1018 **Q18:** Which of the following is not a renewable energy source? A Wind **B** Solar **c** Biomass **D** Natural gas Correct Ans: **D** Itemcode : PL1019 Q19: The term 'endothermic' refers to a chemical reaction **A** in which heat is absorbed. **B** in which heat is given out. **c** that proceeds very rapidly. **D** that requires high temperatures to begin the reaction. Correct Ans: A Itemcode: PL1020 **Q20:** An example of a non-renewable, non-fossil energy resource is A Oil. **B** Coal. c Tidal. **D** Uranium.

Itemcode : PL1021

Correct Ans: **D** 

- **Q21:** As part of the planning for the sewerage outlet project, an Environmental Risk Assessment is to be carried out. Which one of the following is the main aim of an Environmental Risk Assessment?
- **A** to determine the least expensive way to protect the environment
- **B** to reduce the number of people who are concerned about the project
- c to ensure that there are no adverse effects on the environment from the project
- **D** to evaluate the balance of positive benefits against possible harmful effects

Correct Ans: D

## Itemcode: PL1022

- **Q22:** The planning also needs to take into account regulatory frameworks. Which one of the following best describes a regulatory framework?
- A a set of standards agreed by all scientists
- **B** government legislation to ensure that projects meet acceptable standards
- **c** a set of guidelines agreed by the local community concerning the project
- agreed guidelines to take responsibility for ecological sustainability away from the planners, constructors and operators

Correct Ans: B

#### Itemcode: PL1023

Q23: The Agenda 21 is an action plan with regards to

- A | Sewerage development
- **B** Education development
- **c** | Sustainable development
- **D** Transportation development

Correct Ans: C

## Itemcode: PL1024

**Q24:** What is eco-sensitive zone?

- A This is a zone where the noise level shall not go more than prescribed level
- **B** It is an area earmarked for development of eco-friendly activity
- c It is an area around protected area to prevent damage to ecological balance of such area due to development activity
- **D** It is economical sensitive area keeping price regulation of agricultural produces.

Correct Ans: C

Itemcode : PL1025 **025:** Guidelines for

**Q25:** Guidelines formulated by Ministry of Urban Development India, keeping in view the emerging development of planned City and Town is known as

**A** Kyoto Protocol

B Agenda 21

c JNNURM

**D** URDPFI

Correct Ans: **D** 

Itemcode: PL1026

**Q26:** As per UDPFI the total population in Class I cities is defined as

A >1 Crore

**B** >50000

**c** >5 lakh

**D** >1 lakh

Correct Ans: **D** 

Itemcode: PL1027

**Q27:** According to classification of urban settlements adopted by the Census of India 2011, which statement is not true

A A minimum population of 5,000;

**B** At least 75 per cent of working population engaged in non-agricultural sector

c Population density of at least 400 persons per sq. km.

**D** At least 70 per cent of working population engaged in agricultural pursuits.

Correct Ans: **D** 

Itemcode: PL1028

**Q28:** Arrange the following in the increase level of detailing

A perspective plan> regional plan> local area plan> annual plan

**B** regional plan> local area plan> annual plan> perspective plan

c regional plan> annual plan> local area plan>perspective plan

**p** annual plan > local area plan> perspective plan> regional plan

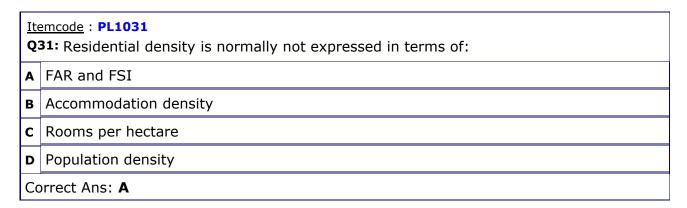
Correct Ans: A

Itemcode: PL1029

**Q29:** Match the group 1 infrastructure to their group 2 system

	Group-1	Group-2
	(W) Social Infrastructure	1. Banking sector
	(X) Physical Infrastructure (Y) Economic infrastructure (Z) Heritage & Tourism infrastructure	Education sector     Ecology sector     Communication sector     Natural heritage
A	W-1, X-2, Y-4 ,Z-3	
В	W-2, X-3, Y-2 ,Z-4	
С	W-2, X-4, Y-1 ,Z-5	
D	W-4, X-2, Y-3 ,Z-5	
Co	orrect Ans: <b>C</b>	

	Itemcode : PL1030 Q30: As per Airport Authority of India (AAI), the buffer zone is applicable up to radius of			
Α	20 km			
В	10 km			
С	30 km			
D	50 km			
Co	Correct Ans: A			



	Itemcode : PL1032  Q32: Which part of planning is not represented by Geddion trio		
A	Folk		
В	Family		
С	Work		
D	Place		

Correct Ans: B

Itemcode: PL1033
Q33: "Traffic congestion is caused by vehicles, not by people in themselves." is said by

A Jane Jacobs
B Daniel Libeskind
C Patrick Geddes
D Lewis Mumford

Itemcode: PL1034
Q34: Theory of system dynamics is given by

A Jay Wright Forrester

B William G. Perry

C Frank Lloyd Wright

D Kevin A. Lynch

Correct Ans: A

Correct Ans: A

Correct Ans: C

Itemcode: PL1035
Q35: NHHP refers to:

A National Housing and Habitat Policy

B National Housing and Health Policy

C National Housing and Habitat Program

D None of the above

Correct Ans: A

Itemcode: PL1036
Q36: A total of 18,000 people are to be accommodated in a plotted housing scheme. For this, a proportion of 2:3:5 is kept between HIG, MIG and LIG plots respectively. Number of HIG plots in the housing scheme, considering 5 persons per dwelling unit and 3 dwelling units per plot, will be:A 1200
B 120
C 240
D 300

Itemcode : PL1037
Q37: In a plotted housing, the land ownership belongs to an individual. Whereas in group housing, the land belongs to the:A Religious group
B Elderly group
C Community
D Government

Correct Ans: C

Itemcode: PL1038
Q38: Desired density in typical proposed housing districts is ensured by prescribing:

A Minimum FSI

B Maximum FSI

C Maximum number of dwelling units

D Minimum number of dwelling units

Correct Ans: B

Itemcode: PL1039
Q39: De-densification of area will:

A Increase its density

B Decrease its density

C Density remains unchanged

D None of the above

Correct Ans: B

Itemcode: PL1040
Q40: The concept of "The Ladder of Citizen Participation" was given by:

A William. W. Goldsmith

B Patrick Geddes

C Harry Ullman

D Sherry. R. Arnstien

Correct Ans: D

<u>Itemcode</u>: **PL1041 Q41:** ..... is a 1961 book by writer and activist Jane Jacobs.

A	The Life and Death of Great American Cities
В	The Story of Utopias
С	The Death and Life of Great American Cities
D	The Culture of Cities
C	orrect Ans: <b>C</b>

Itemcode: PL1042
Q42: Which branch of science concerned with the properties of the earth's water, and especially its movement in relation to land.

A Hydrology
B Geology
C Zoology
D Geometry
Correct Ans: A

Itemcode: PL1043
Q43: The 73rd Constitutional Amendment primarily focus on which of the following?

A Rural

B Urban

C Peri-urban

D Rurban

Correct Ans: A

Itemcode: PL1044
Q44: Which of the following is not a component of the Compact City Concept?

A Mix of Use
B Accessibility
C Economic Inclusion
D Social Inclusion

Correct Ans: C

Itemcode : PL1045
Q45: Census is conducted every 10 years in India by which of the following ministries?

A Ministry of Defence

В	Ministry of Housing and Urban Affairs
С	Social Justice and Empowerment
D	Ministry of Home Affairs
Correct Ans: <b>D</b>	

Itemcode: PL1046
Q46: Which one of the following is not a pillar of sustainable development?

A Society
B Economy
C Environment
D Culture

Correct Ans: D

Itemcode: PL1047
Q47: The per capita water requirement in cities is......

A 135 lpcd

B 150 lpcd

C 90 lpcd

D 195 lpcd

Correct Ans: A

Itemcode: PL1049
Q49: Which of the following are the characteristics of good governance?

A Inclusive development

B Transparency

C Public Accountability

D All the above

Correct Ans: D

Itemcode: PL1050
Q50: E-Governance is the application of ...... in delivery of services to public by government.

A LBT
B ICT
C NBCC
D GST

Correct Ans: B

Itemcode: PL1051
Q51: TOD stands for

A Transit Or Development

B Transit Oriented Development

C Trans Oriented Development

D None of the above

Correct Ans: B

Itemcode: PL1052
Q52: A ......are potential and growing sub nodal centers located out of the direct functionally linked areas of the growth node/nodal centers in the region. Value of Solar constant as measured by satellite is considered as

A Counter Magnet

B Satellite Town

C Priority Town

D Primate Cities

Correct Ans: A

Itemcode: PL1053
Q53: Which of the following are techniques of delineation of Region?

A Weighted Index Number Method

B Flow Analysis

C Gravitational Analysis

D All the above

Correct Ans: **D** Itemcode: PL1054 Q54: How many classifications of land use at the regional level as per URDPFI guidelines? **A** Seven **B** Six **c** Nine **D** Ten Correct Ans: A Itemcode: PL1055 **Q55:** .....is the zone which is within the planning area limits but outside the limit of the municipal corporation / authority or metropolitan planning committee or authority. **A** Rurban **B** Peri-urban c Sub-urban **p** Metro Correct Ans: B Itemcode: PL1056 **Q56:** As per URDPFI guidelines,...... are those where economic growth and development is fostering, that reduce negative environmental externalities, the impact on natural resources and the pressure on ecosystem services. A Greencities **B** Eco-city **c** Blue city **D** Garden city Correct Ans: A Itemcode: PL1057 **Q57:** The National Building Code defines hilly areas as "Any area above ......m in height from mean sea level, or any area with average slope of 30°, considering the sensitive and fragile eco-system of hills and mountains." **A** 500 m 700 m 800 m

Correct Ans: A

**D** Smart City

<u>Q59:</u> The .......suggests actions to conserve coastal resources - explicitly consider sea-level rise and vulnerability of coastal areas to climate change and geological events, in coastal management plans, as well as infrastructure planning and construction norms. An example of a non-renewable, non-fossil energy resource is

- A National Environmental Policy, 2006
- **B** National Eco-city Policy, 2007.
- c National Green city Policy, 2016
- **D** National Urban Transport Policy, 2018

Correct Ans: A

Itemcode : PL1060

**Q60:** ...... of an area can be defined as the maximum number of population that can be supported by the environment of that area through optimum utilization of the available resources.

- **A** Sustaining Capacity
- **B** Bearing Capacity
- c Holding Capacity
- **D** Carrying Capacity

Correct Ans: **D** 

Itemcode : PL1061

Q61: Land suitability method could be done by

A Grey Tone Method

В	Map Overlay Method
С	Grey Tone Method and Map Overlay Method
D	None of the above
Co	prrect Ans: <b>C</b>

Itemcode: PL1062
Q62: The scale of map used depends upon which of the following factors?

A the size of the planning area

B the coverage

C extent of the information to be shown

D All the above

Correct Ans: D

 Itemcode : PL1065

 Q65: The ECS requirement for Bicycle is ......

 A
 0.40

 B
 0.30

 C
 0.20

D	0.10
Co	orrect Ans: <b>D</b>
	emcode : PL1066
Q	<b>56:</b> Airport consist of which of the following major components?
A	Runway
В	Taxiway
С	Aprons
D	All the above
Co	prrect Ans: <b>D</b>
	emcode : PL1067
Q	67: Water requirement for offices as per CPHEEO, 1999 is
A	45
В	50
С	55
D	60
Co	orrect Ans: A
	emcode : PL1068
Q	58: The Turbidity of drinking Water required as per IS 10500:2012, isNTU.
A	1
В	2
С	3
D	4
Cd	orrect Ans: A
	emcode : PL1069
Q	<b>69:</b> As per URDPFI guidelines, the land required for setting WTP of 100 MLD is
Α	1.55
В	1.65
С	1.78
D	1.87
Cd	prrect Ans: <b>D</b>

Itemcode : PL1073
Q73: The waste generated per capita per day as per CPHEEO from street sweeping land use type is .......

A 0.05 to 0.3 kg/cap/day

B 0.04 to 0.09 kg/cap/day

C 0.04 to 0.3 kg/cap/day

D 0.05 to 0.2 kg/cap/day

Correct Ans: D

Itemcode: PL1074
Q74: A ......is a modernized electrical grid that uses analogue or digital information and communications technology to gather and act on information, such as information about the behaviors of suppliers and consumers, in an automated fashion to improve the efficiency, reliability, economics, and sustainability of the production and distribution of electricity.
A smart grid
B green Grid
C Electric grid
D E - grid

Correct Ans: A

Itemcode: PL1075
Q75: The number of Burial ground or Cremation ground required for 5 lakh population city, as per URDPFI guidelines is

A 1
B 2
C 3
D 5
Correct Ans: A

Itemcode: PL1076
Q76: What is the efficiency in collecting sewerage charges as per Advisory note on Improving Urban Water Supply and Sanitation Services, MoUD, 2012?

A 90%
B 80%
C 70%
D 60%
Correct Ans: A

Itemcode : PL1077
 Q77: Hospital/Bio-medical waste must be handled and disposed-off as per guidelines laid in
 A Bio-medical waste (management and handling) rules, 1998
 B Bio-medical waste (disposal and recycling) rules, 1998
 C Bio-medical waste (disposal and management) rules, 1998

D	Bio-medical waste (handling and recycling) rules, 1998
Co	prrect Ans: A
	emcode: PL1078  78: development refers to the occurrence of urban settlement in places separated from denser areas by open space and land under agricultural production.
A	Sprawl
В	Leapfrog
С	Compact
D	Cohesive
Co	prrect Ans: <b>B</b>
	emcode: PL1079 79: Which of the following is not a sewage treatment technology?
A	Activated Sludge Process (ASP)
В	Waste Stabilization Pond Systems (WSPS)
С	Facultative Aerate Lagoon (FAL)
D	Rotating Activated Sludge Process (RASP)
Co	orrect Ans: <b>D</b>
	emcode: PL1080  80: As per CPHEEO, What is the design period (in years) for collection system?
Α	30
В	40
С	50
D	20
Co	orrect Ans: A
	emcode: PL1081 81: According to 2011 census which district of H.P. recorded the highest population of Christians?
Α	Kangra
В	Solan
С	Shimla
D	Kullu

Correct Ans: A

Itemcode: PL1082

**Q82:** According to 2010-11 agriculture census what is the average size of operational holdings in H.P. (in hectares)?

**A** 0.5

**B** 0.87

**c** 0.92

**D** 0.99

Correct Ans: **D** 

Itemcode: PL1083

**Q83:** In which areas of Shimla town is Kamna Devi Temple?

**A** Sanjauli

**B** Khalini

**c** Phagli

**b** Boileauganj

Correct Ans: **D** 

Itemcode: PL1084

**Q84:** In which country was famous painter Nicholas Roerich born?

**A** Ireland

**B** France

**c** Russia

**D** Germany

Correct Ans: C

Itemcode: PL1085

**Q85:** How much food grain is given to the APL families in H.P. under non – National Food Security (in the non – tribal areas)?

A 10 Kg. wheat Atta and 05 Kg. rice

**B** 12 Kg. wheat Atta and 05 Kg. rice

c 10 Kg. wheat Atta and 06 Kg. rice

**D** 12 Kg. wheat Atta and 06 Kg. rice

Correct Ans: **D** 

Itemcode : PL1086
Q86: To which unit of Army did Major Som Nath Sharma who was awarded Pram Veer Chakra (posthumously) belong?

A Dogra Regiment

B Punjab Regiment

C Jat Regiment

D Kumaon Regiment

Correct Ans: D

Itemcode: PL1087
Q87: Approximately how much area was under apple cultivation in H.P. during 2016-17?

A 90000 hectares

B One lakh 12000 hectares

C Two lakh 30000 hectares

D Four lakh 50000 hectares

Correct Ans: B

Itemcode: PL1088
Q88: At which place in Shimla District of H.P. there is a powder milk plant?

A Baral

B Melthi

C Duttnagar

D Kiari

Correct Ans: C

Itemcode: PL1089
Q89: What is the estimated generation capacity of Hail Hydro Power Plant?

A 12 MW
B 18 MW
C 24 MW
D 30 MW

Correct Ans: B

Itemcode : PL1090

**Q90:** Students of which classes are provided two sets of uniforms under Mahatma Gandhi Vardi Yojna in H.P.?

A	Ist to V
В	Ist to Eighth
С	Ist to Tenth
D	Ist to 12th
Cc	orrect Ans: C

Itemcode: PL1091
Q91: On which river is India's longest rail and road bridge?

A Ganga
B Satluz
C Jhelam
D Brahmaputra

Correct Ans: D

Itemcode: PL1092
Q92: Which day is observed as Indian Navy day?

A December 04
B November 14
C April 21
D March 04

Correct Ans: A

Itemcode: PL1093
Q93: Which two Indian cities will be connected by the proposed bullet train?

A Delhi and Mumbai

B Mumbai and Chennai

C Kolkata and Mumbai

D Ahmedabad and Mumbai

Correct Ans: D

Itemcode : PL1094
Q94: From which place in Delhi was Swachh Bharat Abhiyan launched in 2014?

A India Gate

B Red Fort

С	Rajghat
D	Ram Lila Maidan
Correct Ans: C	
Itemcode: PL1095	
<b>Q95:</b> (As in December 2018) who is the Chairman of ISRO?	
A	Kiran Kumar
В	S. Sivan
С	K. Subramanian
D	Madhvan Nair
Correct Ans: B	
Itemcode: PL1096  Q96: Who is the President of Bangladesh (March 2019)?	
A	Sheikh Hasina
В	Abdul Sattar
С	Abdul Hamid
D	Assanuddin Chowdhury
Correct Ans: C	
Itemcode : PL1097	
<b>Q97:</b> What was the venue of G-20 Summit held in December, 2018?	
A	La Palta
В	La Paz
С	Buenos Aires
D	Havana
Correct Ans: C	
Itemcode: PL1098  Q98: Which country tested a massive bomb dubbed as Mother of all bombs?	
Α	USA
В	France
С	Russia
D	China

Correct Ans: **D** 

Itemcode: PL1099

**Q99:** In which city of New Zealand is Alnoor mosque which witnessed terror attack in March 2019?

- **A** Christ church
- **B** Auckland
- **c** Hamilton
- **D** Wellington

Correct Ans: A

Itemcode : PL1100

Q100: Which country owns Chabahar's shahid Beheshti Port?

- **A** Afghanistan
- **B** Iraq
- **c** Iran
- **D** Pakistan

Correct Ans: C